



KEMENTERIAN EKONOMI  
JABATAN PERANGKAAN MALAYSIA

## INDIKATOR MATLAMAT PEMBANGUNAN MAMPAN *SUSTAINABLE DEVELOPMENT GOALS (SDG) INDICATORS*

**MALAYSIA**  
**2022**

### **BIDANG TUMPUAN** **KEMAKMURAN** ***PROSPERITY*** ***FOCUS AREA***

#### **Pemakluman**

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan *OpenDOSM NextGen* sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Mohon layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian."

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (*MyStats Day*) pada 20 Oktober setiap tahun. Tema sambutan *MyStats Day* adalah "Statistik Nadi Kehidupan".

#### ***Announcement***

*The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalog of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.*

*DOSM will conduct the Agriculture Census in 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is "Agriculture Census, Key to Agricultural Development."*

*The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20<sup>th</sup> each year. MyStats Day theme is "Statistics is the Essence of Life".*

**JABATAN PERANGKAAN MALAYSIA**  
**DEPARTMENT OF STATISTICS MALAYSIA**

Diterbitkan dan dicetak oleh/ *Published and printed by:*

**Jabatan Perangkaan Malaysia**

***Department of Statistics Malaysia***

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

**MALAYSIA**

|                                    |                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tel.                               | : 03-8885 7000                                                                                                                                                                                   |
| Faks                               | : 03-8888 9248                                                                                                                                                                                   |
| Portal                             | : <a href="https://www.dosm.gov.my">https://www.dosm.gov.my</a>                                                                                                                                  |
| Facebook / X / Instagram / YouTube | : StatsMalaysia                                                                                                                                                                                  |
| E-mel / <i>E-mail</i>              | : <a href="mailto:info@dosm.gov.my">info@dosm.gov.my</a> (pertanyaan umum / <i>general enquiries</i> )<br>data@dosm.gov.my (pertanyaan & permintaan data / <i>data request &amp; enquiries</i> ) |
| Harga/ <i>Price</i>                | : RM40.00                                                                                                                                                                                        |

Diterbitkan pada Disember 2023/ *Published in December 2023*

**Hakcipta terpelihara/ *All rights reserved***

Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia. Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia”.

*No part of this publication may be reproduced or distributed in any form or by any means or stored in data base without the prior written permission from Department of Statistics Malaysia. Users reproducing content of this publication with or without adaptation should quote the following:*

*“Source: Department of Statistics Malaysia”.*

**ISSN 2976-2804**



## KATA PENGANTAR

Pertubuhan Bangsa-Bangsa Bersatu (PBB) telah melancarkan Agenda 2030 pada tahun 2015 yang memfokuskan kepada pembangunan mampan. Malaysia bersama 192 negara anggota PBB yang lain telah menyatakan komitmen masing-masing dalam menyokong dan melaksanakan SDG seterusnya mencapai matlamat dan sasaran yang ditetapkan. Terdapat 248 indikator (231 indikator unik) dalam rangka kerja indikator global pada 2022 berdasarkan penambahbaikan yang dipersetujui semasa sesi ke 53 *United Nations Statistical Commission* (UNSC) pada Mac 2022.

Selaku *focal point* dalam pembangunan Indikator SDG di peringkat nasional, Jabatan Perangkaan Malaysia (DOSM) telah menerbitkan *The Initial Assessment of the SDG Indicators for Malaysia*, 2018 dan tiga (3) Laporan Indikator SDG bagi tahun 2018, 2019 dan 2020. Bagi penerbitan 2021, Laporan Indikator SDG telah dihasilkan dalam lima (5) laporan mengikut tema lima (5) bidang tumpuan. *National SDG Progress Monitoring System* atau *SDG Dashboard* juga telah dibangunkan pada 2019 sebagai platform komunikasi indikator SDG dengan menggunakan paparan yang interaktif.

Penerbitan ini memfokuskan kepada bidang tumpuan Kemakmuran yang meliputi lima (5) matlamat iaitu Matlamat 7: Tenaga Mampu Milik dan Bersih; Matlamat 8: Pekerjaan yang Sesuai dan Pertumbuhan Ekonomi; Matlamat 9: Industri, Inovasi dan Infrastruktur; Matlamat 10: Mengurangkan Ketidaksamaan; dan Matlamat 11: Bandar dan Komuniti yang Mampan. Berdasarkan 63 indikator di peringkat global bagi bidang tumpuan ini, Malaysia telah merekodkan peningkatan 13 peratus pada 2022 kepada 84 peratus (53 indikator) tersedia berbanding 71 peratus (45 indikator) tahun sebelumnya.

Laporan ini memaparkan lima (5) bahagian. Bahagian pertama dan kedua mengandungi Pencapaian Indikator SDG di Malaysia dan Ringkasan Penemuan. Bahagian ketiga dan keempat merangkumi Jadual Indikator SDG Malaysia diikuti dengan Jadual Indikator SDG di Peringkat Daerah. Manakala bahagian terakhir terdiri daripada Nota Teknikal yang menerangkan konsep, definisi dan formula bagi membantu pengguna memahami Indikator SDG yang diterbitkan.

Laporan ini akan menjadi rujukan penting kepada kerajaan, ahli akademik, sektor swasta, pihak berkuasa tempatan, pertubuhan bukan kerajaan (NGO) dan individu sebagai input penggubalan dasar, pemantauan dan penilaian keberkesanan program pembangunan negara serta penyelidikan.

Jabatan merakamkan setinggi-tinggi penghargaan atas kerjasama oleh semua pihak dalam menjayakan penghasilan penerbitan ini. Setiap maklum balas dan cadangan ke arah penambahbaikan penerbitan ini pada masa hadapan amat dihargai.

**DATO' SRI DR. MOHD UZIR MAHIDIN**

Ketua Perangkawan Malaysia

Disember 2023



## PREFACE

*The United Nations (UN) has launched the 2030 Agenda in 2015 focusing on the sustainable development. Malaysia along with other 192 UN Member States has expressed its commitment to support and implement the SDGs, thus achieving set goals and targets. There are 248 indicators (231 unique indicators) in the global indicator framework in 2022 based on the refinement agreed during the 53<sup>rd</sup> Session of the United Nations Statistical Commission (UNSC) in March 2022.*

*As the focal point in SDG Indicators development at national level, Department of Statistics Malaysia (DOSM) has published The Initial Assessment of the SDG Indicators for Malaysia, 2018 and three (3) SDG Indicators Reports for 2018, 2019 and 2020. For 2021 publication, the SDG Indicators Report has been produced in five (5) reports based on five (5) focus areas themes. National SDG Progress Monitoring System or SDG Dashboard has also been developed in 2019 as a communication platform of SDG indicators using interactive.*

*This publication showcases on Prosperity focus area that covers five (5) Goals namely Goal 7: Affordable and Clean Energy; Goal 8: Decent Work and Economic Growth; Goal 9: Industry, Innovation and Infrastructure; Goal 10: Reduce Inequalities; and Goal 11: Sustainable Cities and Communities. Based on the 63 indicators at the global level for this focus area, Malaysia has recorded a 13 per cent increase in 2022 to 84 per cent (53 indicators) available as compared to 71 per cent (45 indicators) in the previous year.*

*This report consists of five (5) parts. The first and second parts contain the SDG Indicators Achievement in Malaysia and Summary of Findings. The third and fourth parts cover Table of SDG Indicators Malaysia followed by Table of SDG Indicators at District Level. The last part consists of Technical Notes which explain the concepts, definitions and formulas to assist users in understanding the SDG indicators in this report.*

*This report serves as an important reference for government, academicians, private sectors, local authorities, non-governmental organisation (NGOs) and individuals as an input for policy formulation, monitoring and evaluating the effectiveness of the national development programs as well as research.*

*The Department gratefully acknowledges the cooperation and contribution by all parties in making this publication a success. Every feedback and suggestion towards improving future report is highly appreciated.*

**DATO' SRI DR. MOHD UZIR MAHIDIN**  
Chief Statistician Malaysia

December 2023



# KANDUNGAN CONTENTS

## Muka surat Page

**Kata Pengantar**  
*Preface*

i

**Senarai Jadual**  
*List of Tables*

v

## Bahagian Part

## Muka surat Page

**1 Pencapaian Indikator SDG di Malaysia**  
*SDG Indicators Achievements in Malaysia*

3

**2 Ringkasan Penemuan**  
*Summary of Findings*

13

**3 Jadual Indikator SDG Malaysia**  
*Table of SDG Indicators Malaysia*

33

**4 Jadual Indikator SDG di Peringkat Daerah**  
*Table of SDG Indicators at District Level*

99

**5 Nota Teknikal**  
*Technical Notes*

157

**Singkatan**  
*Abbreviations*



**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

## Senarai Jadual/ List of Tables

| Jadual<br>Table |                                                                                                                                                                                                                                                                                                 | Muka Surat<br>Page |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                 | <b>Matlamat 7</b><br><i>Goal 7</i>                                                                                                                                                                                                                                                              |                    |
| 7.1             | <b>Peratusan penduduk dengan akses kepada bekalan elektrik mengikut negeri dan strata, Malaysia, 2016, 2019 dan 2022</b><br><i>Proportion of population with access to electricity by state and strata, Malaysia, 2016, 2019 and 2022</i>                                                       | 33                 |
| 7.2             | <b>Peratusan isi rumah mengikut peralatan tempat kediaman terpilih yang dimiliki, negeri dan strata, Malaysia, 2016, 2019 dan 2022</b><br><i>Percentage of households by selected household equipment owned, state and strata, Malaysia, 2016, 2019 and 2022</i>                                | 35                 |
| 7.3             | <b>Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir, Malaysia, 2019-2021</b><br><i>Renewable energy share in the total final energy consumption, Malaysia, 2019-2021</i>                                                                                                      | 36                 |
| 7.4             | <b>Intensiti tenaga yang diukur dari segi tenaga primer dan KDNK, Malaysia, 2019-2021</b><br><i>Energy intensity measured in terms of primary energy and GDP, Malaysia, 2019-2021</i>                                                                                                           | 36                 |
| 7.5             | <b>Kapasiti penjanaan tenaga boleh baharu yang dipasang di negara membangun, Malaysia, 2019-2021</b><br><i>Installed renewable energy-generating capacity in developing countries, Malaysia, 2019-2021</i>                                                                                      | 36                 |
|                 | <b>Matlamat 8</b><br><i>Goal 8</i>                                                                                                                                                                                                                                                              |                    |
| 8.1             | <b>Kadar pertumbuhan tahunan KDNK sebenar per kapita mengikut negeri, Malaysia, 2020-2022 (Proksi)</b><br><i>Annual growth rate of real GDP per capita by state, Malaysia, 2020-2022 (Proxy)</i>                                                                                                | 39                 |
| 8.2             | <b>Kadar pertumbuhan tahunan KDNK sebenar bagi setiap pekerja, Malaysia, 2020-2022</b><br><i>Annual real GDP per employed person, Malaysia, 2020-2022</i>                                                                                                                                       | 39                 |
| 8.3a            | <b>Sumbangan guna tenaga dalam sektor informal mengikut negeri dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)</b><br><i>Share of employment in the informal sector by state and sex, Malaysia, 2017, 2019 and 2021 (Proxy)</i>                                                             | 40                 |
| 8.3b            | <b>Sumbangan guna tenaga dalam sektor informal mengikut strata dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)</b><br><i>Share of employment in the informal sector by strata and sex, Malaysia, 2017, 2019 and 2021 (Proxy)</i>                                                            | 41                 |
| 8.3c            | <b>Sumbangan guna tenaga dalam sektor informal mengikut kumpulan umur dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)</b><br><i>Share of employment in the informal sector by age group and sex, Malaysia, 2017, 2019 and 2021 (Proxy)</i>                                                  | 41                 |
| 8.4a            | <b>Penggunaan bahan dalam negara, penggunaan bahan dalam negara per kapita dan penggunaan bahan dalam negara per KDNK, Malaysia, 2019-2021</b><br><i>Domestic material consumption, domestic material consumption per capita and domestic material consumption per GDP, Malaysia, 2019-2021</i> | 42                 |

## Senarai Jadual/ List of Tables

| Jadual<br>Table |                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Muka Surat<br>Page |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 8.4b            | <b>Intensiti tenaga dan penggunaan tenaga, Malaysia, 2019-2021 (Proksi)</b><br><i>Energy intensity and energy consumption, Malaysia, 2019-2021 (Proxy)</i>                                                                                                                                                                                                                                                                                      | 42                 |
| 8.5a            | <b>Purata gaji dan upah bulanan pekerja mengikut negeri dan jantina, Malaysia, 2020-2022 (Proksi)</b><br><i>Mean monthly salaries &amp; wages of employees by state and sex, Malaysia, 2020-2022 (Proxy)</i>                                                                                                                                                                                                                                    | 43                 |
| 8.5b            | <b>Purata gaji dan upah bulanan pekerja mengikut kumpulan umur dan jantina, Malaysia, 2020-2022 (Proksi)</b><br><i>Mean monthly salaries &amp; wages of employees by age group and sex, Malaysia, 2020-2022 (Proxy)</i>                                                                                                                                                                                                                         | 45                 |
| 8.6a            | <b>Kadar pengangguran mengikut negeri dan jantina, Malaysia, 2020-2022</b><br><i>Unemployment rate by state and sex, Malaysia, 2020-2022</i>                                                                                                                                                                                                                                                                                                    | 46                 |
| 8.6b            | <b>Kadar pengangguran mengikut kumpulan umur dan jantina, Malaysia, 2020-2022</b><br><i>Unemployment rate by age group and sex, Malaysia, 2020-2022</i>                                                                                                                                                                                                                                                                                         | 47                 |
| 8.7             | <b>Peratusan belia bukan dalam pendidikan, pekerjaan atau latihan mengikut negeri dan jantina, Malaysia, 2020-2022</b><br><i>Proportion of youth not in education, employment or training by state and sex, Malaysia, 2020-2022</i>                                                                                                                                                                                                             | 48                 |
| 8.8             | <b>Kadar kecederaan maut dan bukan maut pekerjaan mengikut negeri dan jantina, Malaysia, 2020-2022</b><br><i>Rates of fatal and non-fatal occupational injuries by state and sex, Malaysia, 2020-2022</i>                                                                                                                                                                                                                                       | 50                 |
| 8.9             | <b>Tahap kepatuhan nasional terhadap hak pekerja (kebebasan berserikat dan perundingan bersama) berdasarkan sumber tekstual dan undang-undang nasional Organisasi Buruh Antarabangsa (ILO), Malaysia, 2019-2021</b><br><i>Level of national compliance with labour rights (freedom of association and collective bargaining) based on International Labour Organization (ILO) textual sources and national legislation, Malaysia, 2019-2021</i> | 52                 |
| 8.10            | <b>Keluaran Dalam Negeri Kasar Pelancongan Langsung (KDNKPL) sebagai sebahagian daripada jumlah KDNK dan kadar pertumbuhan, Malaysia, 2020-2022</b><br><i>Tourism Direct Gross Domestic Product (TDGDP) as a proportion of total GDP and growth rate, Malaysia, 2020-2022</i>                                                                                                                                                                   | 52                 |
| 8.11            | <b>Bilangan cawangan bank komersial dan mesin juruwang automatik (ATM), Malaysia, 2020-2022</b><br><i>Number of commercial bank branches and automated teller machines (ATMs), Malaysia, 2020-2022</i>                                                                                                                                                                                                                                          | 53                 |
| 8.12            | <b>Peratusan orang dewasa yang memiliki akaun di bank atau institusi kewangan lain atau dengan penyedia perkhidmatan wang bergerak mengikut jantina, Malaysia, 2020-2022</b><br><i>Proportion of adults with an account at a financial institution or mobile-money-service provider by sex, Malaysia, 2020-2022</i>                                                                                                                             | 53                 |
| 8.13            | <b>Jumlah aliran rasmi (komitmen) untuk Bantuan Perdagangan, Malaysia, 2019-2021</b><br><i>Total official flows (commitments) of Aid for Trade, Malaysia, 2019-2021</i>                                                                                                                                                                                                                                                                         | 53                 |

## Senarai Jadual/ List of Tables

| Jadual<br>Table |                                                                                                                                                                                                                                                                                                | Muka Surat<br>Page |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 9.1             | <b>Peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun mengikut Semenanjung Malaysia, 2010 dan 2020</b><br><i>Proportion of the rural population who live within 2 km of an all-season road by Peninsular Malaysia, 2010 and 2020</i> | 57                 |
| 9.2a            | <b>Bilangan penumpang mengikut jenis perkhidmatan oleh Keretapi Tanah Melayu Berhad, Malaysia, 2020-2022</b><br><i>Number of passengers by type of services by Malayan Railways Limited, Malaysia, 2020-2022</i>                                                                               | 58                 |
| 9.2b            | <b>Bilangan penumpang bagi perkhidmatan pengangkutan kereta api, Malaysia, 2020-2022</b><br><i>Number of passengers for rail transport services, Malaysia, 2020-2022</i>                                                                                                                       | 58                 |
| 9.2c            | <b>Bilangan penumpang yang dikendalikan mengikut lapangan terbang, Malaysia, 2020-2022</b><br><i>Number of passengers handled by airport, Malaysia, 2020-2022</i>                                                                                                                              | 59                 |
| 9.2d            | <b>Jumlah barangan dan kontena dikendalikan oleh Keretapi Tanah Melayu Berhad, Malaysia, 2020-2022</b><br><i>Freight volumes and container handled by Malayan Railways Limited, Malaysia, 2020-2022</i>                                                                                        | 60                 |
| 9.2e            | <b>Kargo dikendalikan (tan metrik) mengikut lapangan terbang, Malaysia, 2020-2022</b><br><i>Cargo handled (tonnes) by airport, Malaysia, 2020-2022</i>                                                                                                                                         | 60                 |
| 9.2f            | <b>Kendalian kargo (000' FWT) mengikut pelabuhan, Malaysia, 2020-2022</b><br><i>Cargo throughput (000' FWT) by port, Malaysia, 2020-2022</i>                                                                                                                                                   | 61                 |
| 9.2g            | <b>Kendalian Kontena (TEUs) mengikut pelabuhan, Malaysia, 2020-2022</b><br><i>Container throughput (TEUs) by port, Malaysia, 2020-2022</i>                                                                                                                                                     | 62                 |
| 9.3             | <b>Nilai ditambah pembuatan sebagai sebahagian daripada KDNK dan per kapita, Malaysia, 2020-2022 (Proksi)</b><br><i>Manufacturing value added as a proportion of GDP and per capita, Malaysia, 2020-2022 (Proxy)</i>                                                                           | 63                 |
| 9.4             | <b>Sumbangan guna tenaga dalam sektor pembuatan mengikut negeri dan strata, Malaysia, 2020-2022</b><br><i>Manufacturing employment as a proportion of total employment by state and strata, Malaysia, 2020-2022</i>                                                                            | 64                 |
| 9.5             | <b>Peratusan Perusahaan Mikro, Kecil dan Sederhana (PMKS) dalam nilai ditambah industri keseluruhan, Malaysia, 2020-2022</b><br><i>Proportion of Micro, Small and Medium Enterprises (MSMEs) in total industry value added, Malaysia, 2020-2022</i>                                            | 65                 |
| 9.6             | <b>Peratusan Perusahaan Kecil dan Sederhana (PKS) dengan pinjaman atau kredit, Malaysia, 2015</b><br><i>Proportion of Small and Medium Enterprise (SME) with a loan or line of credit, Malaysia, 2015</i>                                                                                      | 65                 |
| 9.7             | <b>Pelepasan gas rumah kaca, Malaysia, 2017-2019 (Proksi)</b><br><i>Greenhouse gas emissions, Malaysia, 2017-2019 (Proxy)</i>                                                                                                                                                                  | 66                 |
| 9.8             | <b>Perbelanjaan penyelidikan dan pembangunan sebagai sebahagian daripada KDNK, Malaysia, 2016, 2018 dan 2020</b><br><i>Research and development expenditure as a proportion of GDP, Malaysia, 2016, 2018 and 2020</i>                                                                          | 66                 |
| 9.9             | <b>Bilangan penyelidik bagi setiap sejuta penduduk, Malaysia, 2016, 2018 dan 2020</b><br><i>Number of researchers per million inhabitants, Malaysia, 2016, 2018 and 2020</i>                                                                                                                   | 66                 |

## Senarai Jadual/ List of Tables

| Jadual<br>Table                      |                                                                                                                                                                                                                                                                                                                                                   | Muka Surat<br>Page |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 9.10                                 | <b>Jumlah aliran rasmi untuk infrastruktur Malaysia, 2019-2021</b><br><i>Total official flows for infrastructure, Malaysia, 2019-2021</i>                                                                                                                                                                                                         | 67                 |
| 9.11                                 | <b>Peratusan nilai ditambah industri berteknologi sederhana dan tinggi dalam nilai ditambah keseluruhan pembuatan (pada harga malar), Malaysia, 2020-2022</b><br><i>Proportion of medium and high-tech industry value added in total manufacturing value added (at constant prices), Malaysia, 2020-2022</i>                                      | 67                 |
| 9.12                                 | <b>Peratusan penduduk yang diliputi oleh rangkaian mudah alih mengikut teknologi, Malaysia, 2020-2022</b><br><i>Proportion of population covered by a mobile network by technology, Malaysia, 2020-2022</i>                                                                                                                                       | 67                 |
| <b>Matlamat 10</b><br><i>Goal 10</i> |                                                                                                                                                                                                                                                                                                                                                   |                    |
| 10.1                                 | <b>Kadar pertumbuhan pendapatan isi rumah dalam kalangan isi rumah terendah 40 peratus mengikut negeri, Malaysia, 2016, 2019 dan 2022</b><br><i>Growth rates of household income among the bottom 40 per cent of household by state, Malaysia, 2016, 2019 and 2022</i>                                                                            | 71                 |
| 10.2                                 | <b>Peratusan isi rumah di bawah 50 peratus daripada pendapatan penengah mengikut negeri, Malaysia, 2016, 2019 dan 2022 (Proksi)</b><br><i>Proportion of households below 50 per cent of median income by state, Malaysia, 2016, 2019 and 2022 (Proxy)</i>                                                                                         | 73                 |
| 10.3                                 | <b>Pampasan pekerja mengikut jenis aktiviti ekonomi pada harga semasa-Peratus Sumbangan kepada KDNK, Malaysia, 2020-2022</b><br><i>Compensation of employees by kind of economic activity at current prices-Percentage Share to GDP, Malaysia, 2020-2022</i>                                                                                      | 74                 |
| 10.4                                 | <b>Indikator Kestabilan Kewangan (FSI), Malaysia, 2020-2022</b><br><i>Financial Soundness Indicators (FSI), Malaysia, 2020-2022</i>                                                                                                                                                                                                               | 74                 |
| 10.5                                 | <b>Peratusan anggota dan hak mengundi negara membangun dalam organisasi antarabangsa, Malaysia, 2020-2022</b><br><i>Proportion of members and voting rights of developing countries in international organisations, Malaysia, 2020-2022</i>                                                                                                       | 75                 |
| 10.6                                 | <b>Peratusan produk tersenarai dalam jadual tarif (tariff line) yang dikenakan ke atas import dari negara kurang membangun dan negara membangun dengan tarif sifar, Malaysia, 2020-2022</b><br><i>Proportion of tariff lines applied to imports from least developed countries and developing countries with zero-tariff, Malaysia, 2020-2022</i> | 76                 |
| 10.7                                 | <b>Kos pengiriman wang sebagai sebahagian daripada jumlah yang dikirimkan, Malaysia, 2020-2022</b><br><i>Remittance costs as a proportion of the amount remitted, Malaysia, 2020-2022</i>                                                                                                                                                         | 76                 |
| <b>Matlamat 11</b><br><i>Goal 11</i> |                                                                                                                                                                                                                                                                                                                                                   |                    |
| 11.1                                 | <b>Peratusan penduduk bandar yang tinggal di kawasan sesak, penempatan setinggan atau perumahan yang tidak memadai mengikut negeri, Malaysia, 2020</b><br><i>Proportion of urban population living in slums, informal settlements or inadequate housing by state, Malaysia, 2020</i>                                                              | 81                 |

## Senarai Jadual/ List of Tables

| Jadual<br>Table |                                                                                                                                                                                                                                                                                                                                                                     | Muka Surat<br>Page |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 11.2            | <b>Peratusan penduduk yang mempunyai capaian mudah kepada pengangkutan awam mengikut negeri dan jantina, Malaysia, 2020</b><br><i>Proportion of population that has convenient access to public transport by state and sex, Malaysia, 2020</i>                                                                                                                      | 82                 |
| 11.3            | <b>Nisbah kadar penggunaan tanah kepada kadar pertumbuhan penduduk mengikut negeri, Malaysia, 2020-2022</b><br><i>Ratio of land consumption rate to population growth rate by state, Malaysia, 2020-2022</i>                                                                                                                                                        | 83                 |
| 11.4            | <b>Peratusan bandar dengan struktur penyertaan langsung masyarakat sivil dalam perancangan dan pengurusan bandar yang beroperasi secara teratur dan demokratik, Malaysia, 2022</b><br><i>Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically, Malaysia, 2022</i> | 84                 |
| 11.5            | <b>Bilangan kematian, orang yang hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk mengikut negeri, Malaysia, 2020-2022</b><br><i>Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population by state, Malaysia, 2020-2022</i>                                                         | 85                 |
| 11.6            | <b>Kerugian langsung ekonomi akibat bencana yang berkait dengan Keluaran Dalam Negeri Kasar (KDNK) global, Malaysia, 2020-2022</b><br><i>Direct economic loss attributed to disasters in relation to global Gross Domestic Product (GDP), Malaysia, 2020-2022</i>                                                                                                   | 87                 |
| 11.7            | <b>(a) Kerosakan infrastruktur kritikal dan (b) jumlah gangguan terhadap perkhidmatan asas, yang disebabkan oleh bencana, Malaysia, 2020-2022</b><br><i>a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters, Malaysia, 2020-2022</i>                                                                      | 88                 |
| 11.8            | <b>Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri, Malaysia, 2020-2022 (Proksi)</b><br><i>Proportion of solid waste recycled out of total solid waste collected by state, Malaysia, 2020-2022 (Proxy)</i>                                                                                                 | 89                 |
| 11.9            | <b>Purata tahunan kepekatan berdasarkan jenis bahan pencemar di udara, Malaysia, 2020-2022</b><br><i>Annually average concentration based on the type of air pollutants in the air, Malaysia, 2020-2022</i>                                                                                                                                                         | 91                 |
| 11.10           | <b>Bahagian purata kawasan binaan bandar raya yang merupakan kawasan terbuka untuk kegunaan awam bagi semua mengikut negeri, Malaysia, 2020-2022</b><br><i>Average share of the built-up area of cities that is open space for public use for all by state, Malaysia, 2020-2022</i>                                                                                 | 91                 |
| 11.11a          | <b>Bilangan mangsa gangguan seksual mengikut negeri, Malaysia, 2020-2022 (Proksi)</b><br><i>Number of sexual harassment victims by state, Malaysia, 2020-2022 (Proxy)</i>                                                                                                                                                                                           | 92                 |
| 11.11b          | <b>Bilangan mangsa gangguan seksual mengikut jantina, Malaysia, 2020-2022 (Proksi)</b><br><i>Number of sexual harassment victims by sex, Malaysia, 2020-2022 (Proxy)</i>                                                                                                                                                                                            | 93                 |
| 11.11c          | <b>Bilangan mangsa gangguan seksual mengikut kumpulan umur, Malaysia, 2020-2022 (Proksi)</b><br><i>Number of sexual harassment victims by age group, Malaysia, 2020-2022 (Proxy)</i>                                                                                                                                                                                | 93                 |

## Senarai Jadual/ List of Tables

| Jadual<br>Table |                                                                                                                                                                                                                                                                                                                     | Muka Surat<br>Page |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                 | <b>Daerah pentadbiran</b><br><i>Administrative district</i>                                                                                                                                                                                                                                                         |                    |
| D1              | <b>Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022</b><br><i>Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022</i>                                                  | 103                |
| D2              | <b>Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022</b><br><i>Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022</i>                                                                  | 115                |
| D3              | <b>Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022</b><br><i>Unemployment rate by state and administrative district, Malaysia, 2020-2022</i>                                                                                                                                         | 123                |
| D4              | <b>Peratusan isi rumah di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022</b><br><i>Proportion of household below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022</i>                          | 131                |
| D5              | <b>Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi)</b><br><i>Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy)</i> | 139                |



# BAHAGIAN *PART*

# 1

## Pencapaian Indikator SDG di Malaysia

*SDG Indicators Achievements  
in Malaysia*

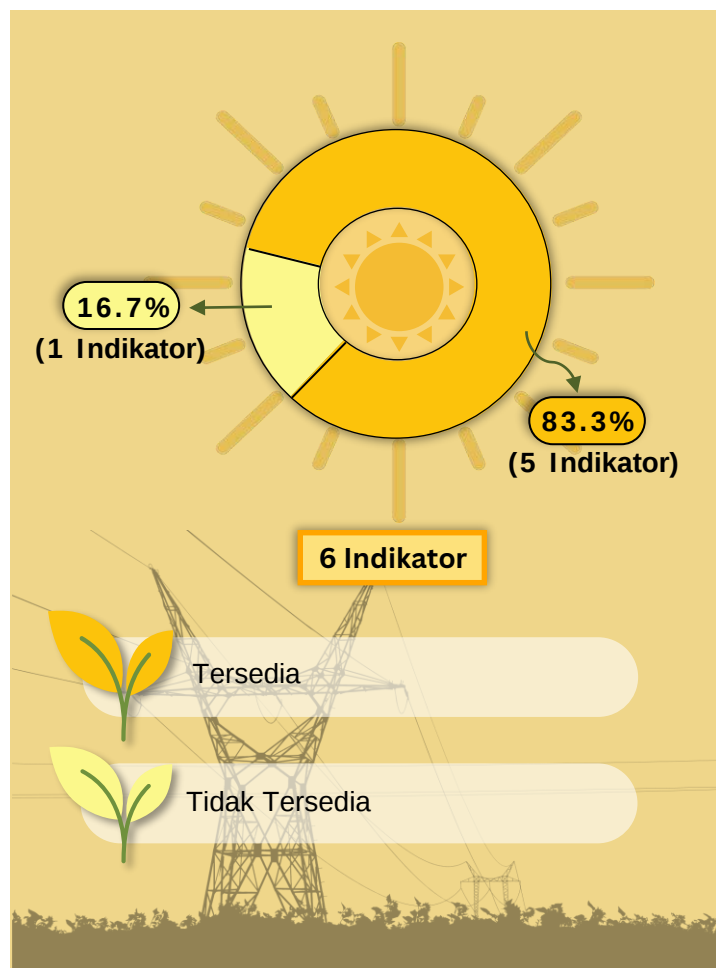
**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

## PENCAPAIAN INDIKATOR SDG DI MALAYSIA



### TENAGA MAMPU MILIK DAN BERSIH

BIDANG TUMPUAN  
KEMAKMURAN



#### SDG 7.1.1

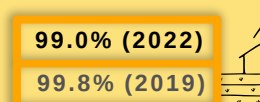
99.7% jumlah penduduk dengan akses kepada bekalan elektrik pada tahun 2022 berbanding 100.0% pada 2019

##### BANDAR



99.9% (2022)  
100.0% (2019)

##### LUAR BANDAR



99.0% (2022)  
99.8% (2019)

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

#### SDG 7.2.1

Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir

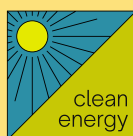
|                               | 2020  | 2021 <sup>P</sup> |
|-------------------------------|-------|-------------------|
| Penggunaan akhir tenaga       | 1.4%  | 1.4%              |
| Tenaga primer yang dibekalkan | 3.9%  | 4.2%              |
| Campuran penjanaan            | 17.6% | 19.3%             |
| Bio tenaga                    | 4.0%  | 3.6%              |

Nota: <sup>P</sup> Permulaan

Sumber: Suruhanjaya Tenaga

#### SDG 7.3.1

67.9 toe/KDNK pada harga malar 2015 (RM juta) intensiti tenaga pada tahun 2021<sup>P</sup> berbanding 70.0 toe/KDNK pada harga malar 2015 (RM juta) pada tahun 2020



Nota:

<sup>P</sup> Permulaan

toe merujuk kepada tan setara minyak

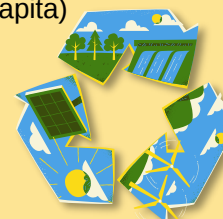
Sumber: Suruhanjaya Tenaga

#### SDG 7.b.1

Kapasiti penjanaan tenaga boleh baharu yang dipasang di negara membangun (watt per kapita)

2021<sup>P</sup> 259.6

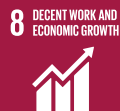
2020 251.7



Nota: <sup>P</sup> Permulaan

Sumber: Suruhanjaya Tenaga

## PENCAPAIAN INDIKATOR SDG DI MALAYSIA



### PEKERJAAN YANG SESUAI DAN PERTUMBUHAN EKONOMI

BIDANG TUMPUAN  
KEMAKMURAN

#### SDG 8.1.1

Kadar pertumbuhan tahunan  
KDNK sebenar per kapita



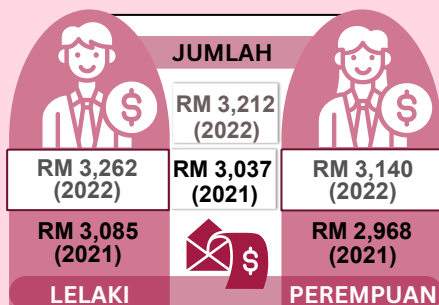
Nota:

- <sup>e</sup> Anggaran
- <sup>p</sup> Permulaan

Sumber: Akaun Negara Tahunan Keluaran Dalam Negeri Kasar (KDNK), Jabatan Perangkaan Malaysia

#### SDG 8.5.1

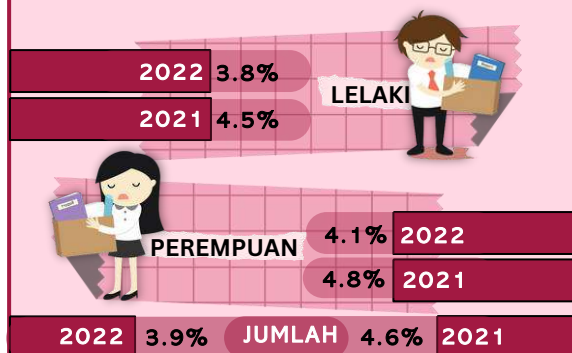
Purata gaji dan upah  
bulanan pekerja



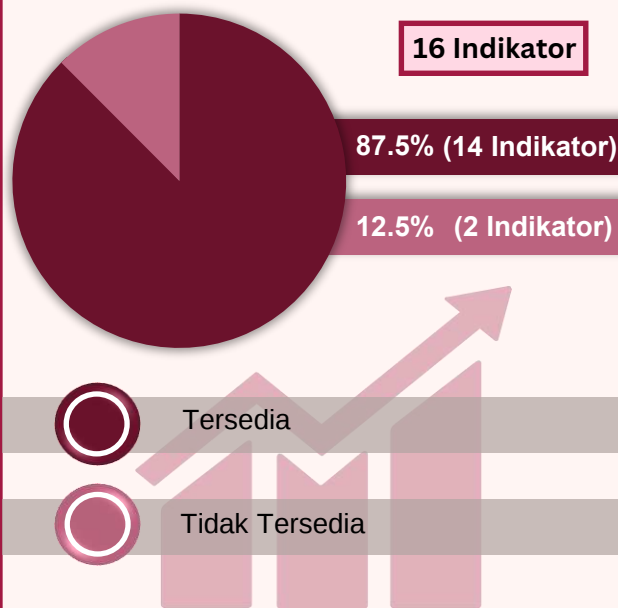
Sumber: Survei Gaji dan Upah, Jabatan Perangkaan Malaysia

#### SDG 8.5.2

Kadar pengangguran

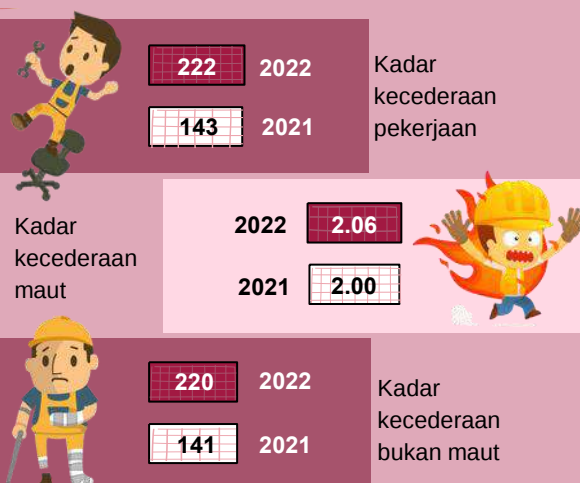


Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia



Kadar kecederaan maut dan  
bukan maut pekerjaan

#### SDG 8.8.1



Nota:

1. Data termasuk pekerja tempatan dan asing
2. Kadar kecederaan pekerjaan adalah jumlah kecederaan maut dan kecederaan tidak maut bagi setiap 100,000 pekerja

Sumber: Jabatan Keselamatan dan Kesihatan Pekerjaan Malaysia

## PENCAPAIAN INDIKATOR SDG DI MALAYSIA



### INDUSTRI, INOVASI DAN INFRASTRUKTUR

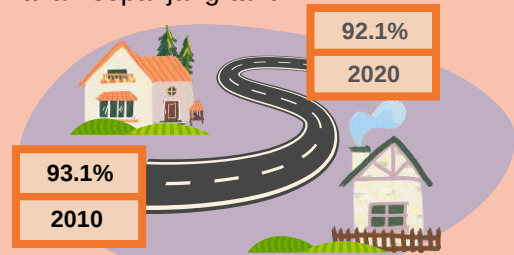
BIDANG TUMPUAN  
KEMAKMURAN

#### 12 Indikator



Peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun

SDG 9.1.1



Sumber: Banci Penduduk dan Perumahan Malaysia 2010 dan 2020, Jabatan Perangkaan Malaysia

SDG 9.2.2

Sumbangan guna tenaga dalam sektor pembuatan



Jumlah

16.8% (2022)

16.6% (2021)



Bandar

17.7% (2022)

17.0% (2021)



Luar Bandar

12.9% (2022)

14.8% (2021)

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

SDG 9.c.1

Peratusan penduduk yang diliputi rangkaian mudah alih mengikut teknologi

Jumlah

98.6% (2022)

98.5% (2021)



4G

96.9% (2022)

95.4% (2021)

Sumber: Suruhanjaya Komunikasi dan Multimedia Malaysia

Bilangan penumpang mengikut jenis perkhidmatan

SDG 9.1.2

2022

2021

54.7 juta



Pengangkutan Udara

11.0 juta

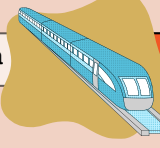
2.7 juta

Perkhidmatan Keretapi



0.3 juta

14.5 juta



KTM Komuter

5.9 juta

3.3 juta

Perkhidmatan Tren Elektrik (ETS)



0.6 juta

163.3 juta



Perkhidmatan Pengangkutan Kereta Api

71.6 juta

Nota:

Perkhidmatan pengangkutan kereta api merujuk kepada LRT, MRT, KL Monorel, KLIA Ekspres dan KLIA Transit

Sumber: Kementerian Pengangkutan Malaysia

## PENCAPAIAN INDIKATOR SDG DI MALAYSIA

10  
REDUCED  
INEQUALITIES

### MENGURANGKAN KETIDAKSAMAAN

BIDANG TUMPUAN  
KEMAKMURAN

SDG 10.4.1

Pampasan pekerja



32.4%  
(2022<sup>p</sup>)

35.1%  
(2021<sup>e</sup>)

Pampasan  
pekerja

13.0%  
(2022<sup>p</sup>)

13.7%  
(2021<sup>e</sup>)



Pertanian



6.9%  
(2022<sup>p</sup>)

8.9%  
(2021<sup>e</sup>)

Perlombongan &  
pengkuarian



33.3%  
(2022<sup>p</sup>)

35.4%  
(2021<sup>e</sup>)

Pembuatan



77.1%  
(2022<sup>p</sup>)

77.2%  
(2021<sup>e</sup>)

Pembinaan



37.7%  
(2022<sup>p</sup>)

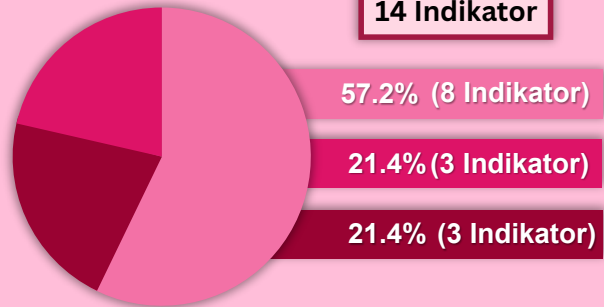
40.6%  
(2021<sup>e</sup>)

Perkhidmatan

Nota:

- <sup>e</sup> Anggaran
- <sup>p</sup> Permulaan

Sumber: Akaun Negara Keluaran Dalam Negeri Kasar  
Kaedah Pendapatan, Jabatan Perangkaan Malaysia



14 Indikator

Tersedia  
Tidak Tersedia  
Sebahagiannya Tersedia, Perlu Dibangunkan

Kos pengirisan wang sebagai  
sebahagian daripada jumlah  
yang dikirimkan

SDG 10.c.1

2.7%  
(2022)



2.2%  
(2021)

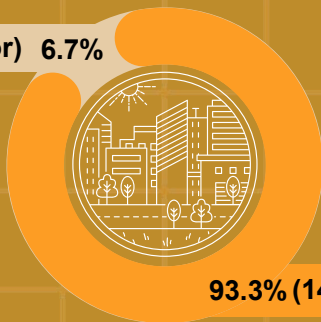
Sumber: Bank Negara Malaysia

11  
SUSTAINABLE CITIES  
AND COMMUNITIES

### BANDAR DAN KOMUNITI YANG MAMPAN

BIDANG TUMPUAN  
KEMAKMURAN

(1 Indikator) 6.7%



15 Indikator

Tersedia

Sebahagiannya Tersedia,  
Perlu Dibangunkan

Purata tahunan kepekatan berdasarkan  
jenis bahan pencemar di udara

SDG 11.6.2

| PM <sub>10</sub>     |                        | PM <sub>2.5</sub>    |                        |
|----------------------|------------------------|----------------------|------------------------|
| (2022)               | 19.8 µg/m <sup>3</sup> | (2022)               | 12.3 µg/m <sup>3</sup> |
| (2021 <sup>1</sup> ) | 20.5 µg/m <sup>3</sup> | (2021 <sup>1</sup> ) | 15.2 µg/m <sup>3</sup> |

Nota: <sup>1</sup> Dikemaskini



Sumber: Jabatan Alam Sekitar

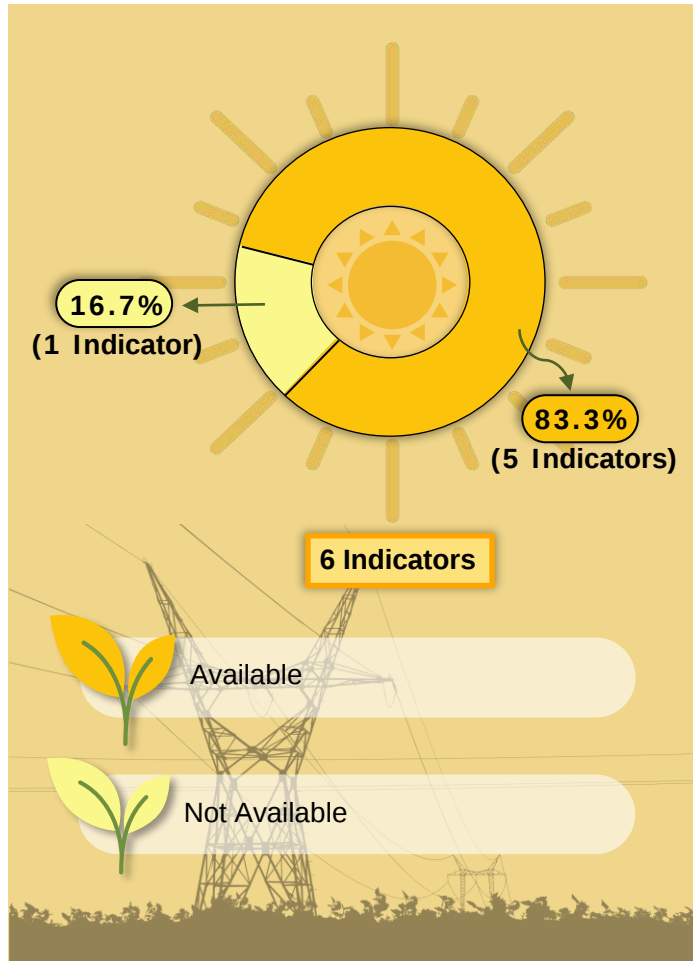
## SDG INDICATORS ACHIEVEMENTS IN MALAYSIA

7 AFFORDABLE AND  
CLEAN ENERGY



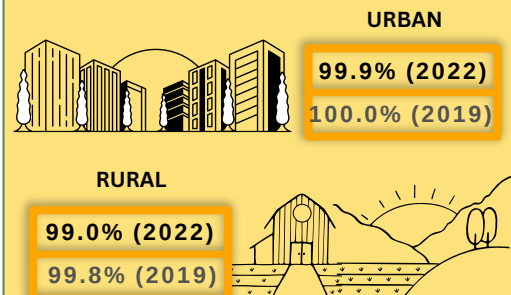
### AFFORDABLE AND CLEAN ENERGY

PROSPERITY  
FOCUS AREA



99.7% of total population  
with access to electricity  
in 2022 as compared to  
100.0% in 2019

SDG 7.1.1



Source: Household Income and Basic Amenities  
Survey, Department of Statistics Malaysia

Renewable energy share  
in the total final energy  
consumption

SDG 7.2.1

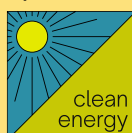
|                          | 2020  | 2021 <sup>P</sup> |
|--------------------------|-------|-------------------|
| Final energy consumption | 1.4%  | 1.4%              |
| Primary energy supplied  | 3.9%  | 4.2%              |
| Generation mix           | 17.6% | 19.3%             |
| Bioenergy                | 4.0%  | 3.6%              |

Note: <sup>P</sup> Preliminary

Source: Energy Commission

SDG 7.3.1

67.9 toe/GDP at constant price  
2015 (RM million) of energy  
intensity in 2021<sup>P</sup> as compared  
to 70.0 toe/GDP at constant  
price 2015 (RM million) in 2020



Notes:

- <sup>P</sup> Preliminary
- toe refer to tonnes of oil equivalent

Source: Energy Commission

SDG 7.b.1

Installed renewable energy-generating  
capacity in developing countries  
(watts per capita)

|                   |       |
|-------------------|-------|
| 2021 <sup>P</sup> | 259.6 |
| 2020              | 251.7 |

Note: <sup>P</sup> Preliminary

Source: Energy Commission



# SDG INDICATORS ACHIEVEMENTS IN MALAYSIA

8 DECENT WORK AND  
ECONOMIC GROWTH



## DECENT WORK AND ECONOMIC GROWTH

PROSPERITY  
FOCUS AREA

### SDG 8.1.1

Annual growth rate of real  
GDP per capita



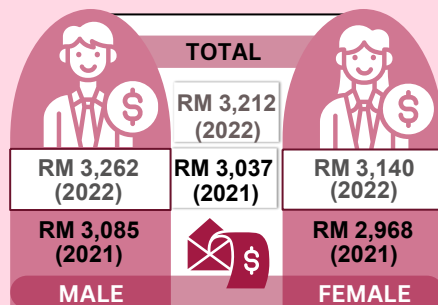
Notes:

- <sup>e</sup> Estimates
- <sup>p</sup> Preliminary

Source: Annual National Accounts Gross Domestic Product (GDP), Department of Statistics Malaysia

### SDG 8.5.1

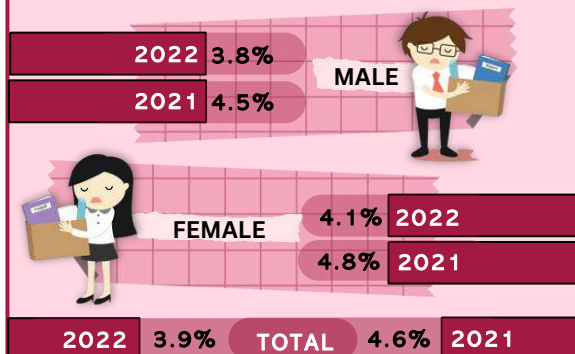
Mean monthly salaries &  
wages of employees



Source: Salaries and Wages Survey, Department of Statistics Malaysia

### SDG 8.5.2

Unemployment rate



Source: Labour Force Survey, Department of Statistics Malaysia

16 Indicators

87.5% (14 Indicators)

12.5% (2 Indicators)



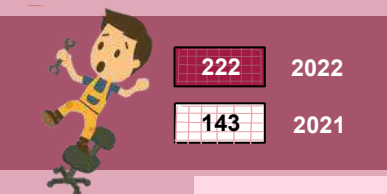
Available



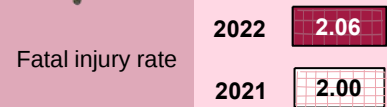
Not Available

Rates of fatal and non-fatal  
occupational injuries

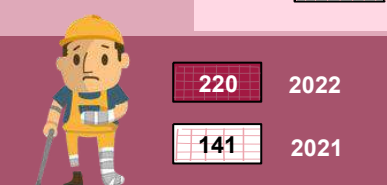
### SDG 8.8.1



Occupational  
injury rate



Fatal injury rate



Non-fatal injury  
rate

Notes:

- Data include local and foreign workers
- Occupational injury rates is the total of fatal injuries and non-fatal injuries per 100,000 workers

Source: Department of Occupational Safety and Health Malaysia



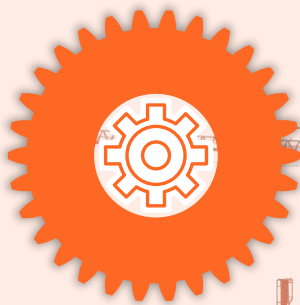
# SDG INDICATORS ACHIEVEMENTS IN MALAYSIA



## INDUSTRY, INNOVATION AND INFRASTRUCTURE

PROSPERITY  
FOCUS AREA

12 Indicators



100% Available

Proportion of the rural population who live within 2 km of an all-season road

SDG 9.1.1



Source: Population and Housing Census of Malaysia 2010 and 2020, Department of Statistics Malaysia

SDG 9.2.2

Manufacturing employment as a proportion of total employment



Total

16.8% (2022)

16.6% (2021)



Urban

17.7% (2022)

17.0% (2021)



Rural

12.9% (2022)

14.8% (2021)

Source: Labour Force Survey, Department of Statistics Malaysia

SDG 9.c.1

Proportion of population covered by a mobile network by technology

Total

98.6% (2022)

98.5% (2021)



4G

96.9% (2022)

95.4% (2021)

Source: Malaysian Communication and Multimedia Commission

Number of passengers by type of services

SDG 9.1.2

2022

2021

54.7 million



Air Transport

11.0 million

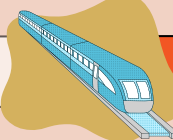
2.7 million

Rail Services



0.3 million

14.5 million



KTM Commuter

5.9 million

3.3 million

Electric Train Services (ETS)



0.6 million

163.3 million



Rail Transport Services

71.6 million

Note:

Rail Transport Services refers to LRT, MRT, KL Monorel, KLIA Ekspres and KLIA Transit

Source: Ministry of Transport Malaysia



## SDG INDICATORS ACHIEVEMENTS IN MALAYSIA



### REDUCED INEQUALITIES

PROSPERITY  
FOCUS AREA

#### SDG 10.4.1

#### Compensation of employees



32.4%  
(2022<sup>p</sup>)

13.0%  
(2022<sup>p</sup>)



#### Agriculture

35.1%  
(2021<sup>e</sup>)

13.7%  
(2021<sup>e</sup>)

#### Compensation of employees



6.9%  
(2022<sup>p</sup>)

33.3%  
(2022<sup>p</sup>)



#### Manufacturing

8.9%  
(2021<sup>e</sup>)

35.4%  
(2021<sup>e</sup>)

#### Mining & Quarrying



77.1%  
(2022<sup>p</sup>)

37.7%  
(2022<sup>p</sup>)



#### Services

77.2%  
(2021<sup>e</sup>)

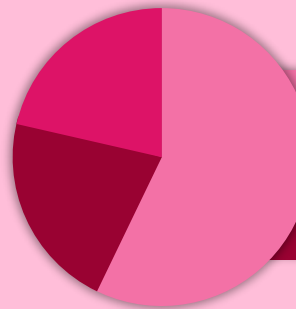
40.6%  
(2021<sup>e</sup>)

#### Construction

Notes:

- <sup>e</sup> Estimates
- <sup>p</sup> Preliminary

Source: National Accounts Gross Domestic Product Income Approach, Department of Statistics Malaysia



14 Indicators

57.2% (8 Indicators)

21.4% (3 Indicators)

21.4% (3 Indicators)

Available

Not Available

Partially Available, Need Further Development

Remittance costs as a proportion of the amount remitted

SDG 10.c.1

2.7%  
(2022)



2.2%  
(2021)

Source: Bank Negara Malaysia



### SUSTAINABLE CITIES AND COMMUNITIES

PROSPERITY  
FOCUS AREA

(1 Indicator) 6.7%



93.3% (14 Indicators)

15 Indicators

Available

Partially Available, Need Further Development

Annually average concentration based on the type of air pollutants in the air

SDG 11.6.2

PM<sub>10</sub>

PM<sub>2.5</sub>

(2022) 19.8 µg/m<sup>3</sup>

(2022) 12.3 µg/m<sup>3</sup>

(2021<sup>†</sup>) 20.5 µg/m<sup>3</sup>

(2021<sup>†</sup>) 15.2 µg/m<sup>3</sup>

Note: <sup>†</sup> Revised



Source: Department of Environment



# BAHAGIAN *PART*

# 2

## Ringkasan Penemuan

*Summary of Findings*

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



## Pengenalan Bidang Tumpuan Kemakmuran

### Kemakmuran

Bidang tumpuan Kemakmuran bukan sahaja melihat aspek pertumbuhan ekonomi semata-mata malah merangkumi konsep pembangunan mampan serta inklusif. Objektif bidang tumpuan ini adalah untuk memastikan bahawa kemajuan ekonomi memberi impak positif kepada semua lapisan masyarakat di samping menjaga kesejahteraan generasi akan datang. Bidang tumpuan Kemakmuran terdiri daripada lima matlamat iaitu:

- i. Matlamat 7: Tenaga Mampu Milik dan Bersih;
- ii. Matlamat 8: Pekerjaan yang Sesuai dan Pertumbuhan Ekonomi;
- iii. Matlamat 9: Industri, Inovasi dan Infrastruktur;
- iv. Matlamat 10: Mengurangkan Ketidaksamaan; dan
- v. Matlamat 11: Bandar dan Komuniti yang Mampan.

Bidang tumpuan ini meliputi 63 indikator di peringkat global dan 53 indikator tersedia di peringkat nasional pada tahun ini





## MATLAMAT 7: TENAGA MAMPU MILIK DAN BERSIH

Memastikan akses kepada tenaga mampu milik, boleh dipercayai, mampan dan moden untuk semua

Sasaran Matlamat Pembangunan Mampan 7 (SDG7) adalah memastikan akses kepada tenaga mampu milik, boleh dipercayai, mampan dan moden untuk semua. SDG7 meliputi enam (6) indikator di peringkat global dan lima (5) indikator telah tersedia di peringkat nasional bagi tahun ini.

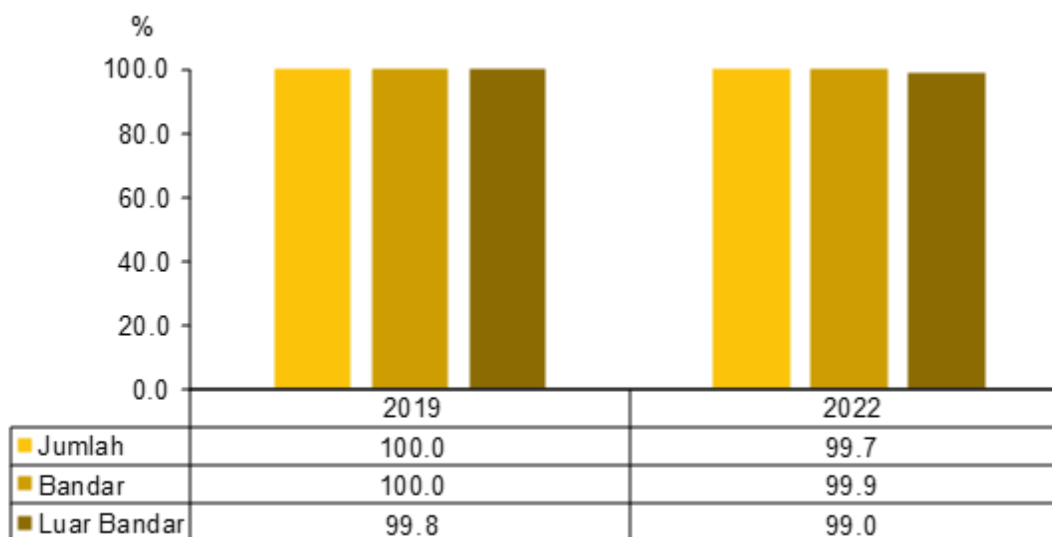
### Indikator 7.1.1: Peratusan penduduk dengan akses kepada bekalan elektrik

Sasaran 7.1 adalah untuk memastikan akses sejagat kepada perkhidmatan tenaga mampu milik, boleh dipercayai dan moden menjelang 2030.

Tenaga adalah penting untuk kesejahteraan dan pembangunan ekonomi sesebuah negara. Keperluan untuk tenaga semakin meningkat seiring dengan peningkatan populasi dan sektor perindustrian dan komersial yang semakin berkembang. Di sebalik pengembangan, Malaysia telah menyaksikan penyusutan dalam penggunaan elektrik, yang disebabkan oleh peralihan ke arah penggunaan tenaga boleh diperbaharui.

Kebolehcapaian elektrik di Malaysia merosot sedikit kepada 99.7 peratus pada 2022. Peratusan penduduk yang mempunyai akses kepada elektrik di kawasan luar bandar menurun 0.8 peratus kepada 99.0 peratus pada 2022 berbanding 99.8 peratus pada 2019.

**Carta 7.1: Peratusan penduduk dengan akses kepada bekalan elektrik mengikut strata, 2019 dan 2022**



Sumber: Jabatan Perangkaan Malaysia



## 7 AFFORDABLE AND CLEAN ENERGY



### MATLAMAT 7: TENAGA MAMPU MILIK DAN BERSIH

Memastikan akses kepada tenaga mampu milik, boleh dipercayai, mampan dan moden untuk semua

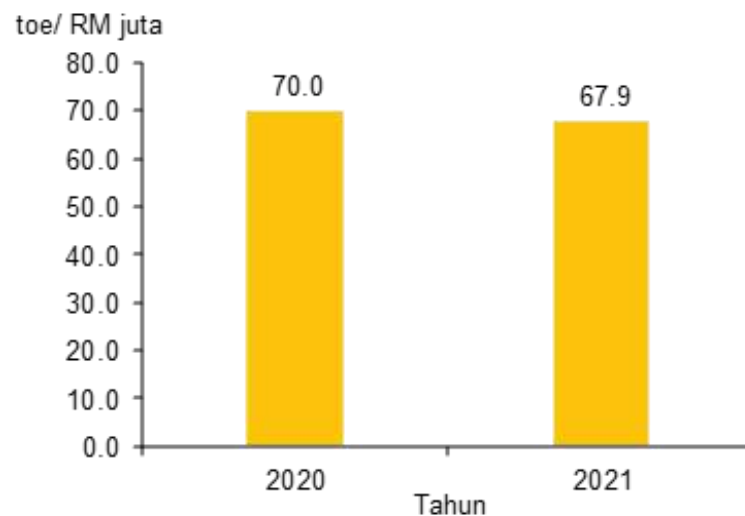
#### Indikator 7.3.1: Intensiti tenaga yang diukur dari segi tenaga primer dan KDNK

Sasaran 7.3 adalah untuk menggandakan kadar peningkatan kecekapan tenaga global menjelang 2030

Intensiti tenaga ialah penunjuk berapa banyak tenaga yang digunakan untuk menghasilkan satu unit keluaran ekonomi. Ia adalah proksi kecekapan di mana ekonomi dapat menggunakan tenaga untuk menghasilkan output ekonomi. Nisbah yang lebih rendah menunjukkan bahawa kurang tenaga digunakan untuk menghasilkan satu unit output.

Intensiti tenaga telah menurun kepada 67.9 toe setiap RM1 juta KDNK pada 2021 berbanding 70.0 toe pada 2020.

**Carta 7.2: Intensiti tenaga yang diukur dari segi tenaga utama dan KDNK, 2020 dan 2021**



Sumber: Suruhanjaya Tenaga, Malaysia



## 8 DECENT WORK AND ECONOMIC GROWTH

**MATLAMAT 8: PEKERJAAN YANG SESUAI DAN PERTUMBUHAN EKONOMI**

Menggalakkan pertumbuhan ekonomi yang mampan, menyeluruh dan berkekalan, guna tenaga penuh dan produktif serta pekerjaan yang sesuai untuk semua

Sasaran Matlamat Pembangunan Mampan 8 (SDG8) adalah menggalakkan pertumbuhan ekonomi yang mampan, menyeluruh dan berkekalan, guna tenaga penuh dan produktif serta pekerjaan yang sesuai untuk semua. SDG8 meliputi 16 indikator di peringkat global dan 14 indikator telah tersedia di peringkat nasional bagi tahun ini.

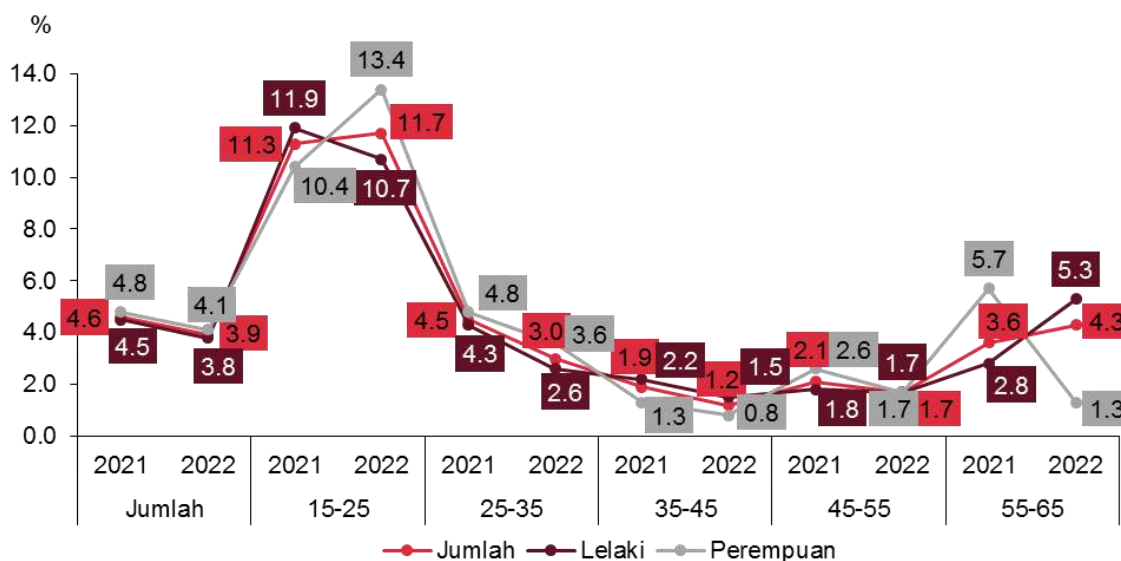
**Indikator 8.5.2: Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

Sasaran 8.5 adalah untuk mencapai guna tenaga penuh dan produktif serta pekerjaan yang sesuai untuk semua wanita dan lelaki, termasuk belia dan orang kurang upaya, serta bayaran sama rata untuk kerja yang sama nilainya pada 2030.

Kadar pengangguran diukur sebagai peratusan tenaga buruh yang menganggur dan aktif mencari pekerjaan. Ia merupakan penunjuk ekonomi utama yang menggambarkan prestasi pasaran buruh dan ekonomi negara.

Secara keseluruhan, kadar pengangguran negara mencatatkan penurunan sebanyak 0.7 mata peratus kepada 3.9 peratus pada 2022 (2021: 4.6%). Keadaan pengangguran yang bertambah baik adalah berikutan pembukaan semula semua aktiviti ekonomi pada 2022 selepas sekatan yang dikenakan berikutan pandemik COVID-19 sejak 2020. Kedua-dua lelaki dan perempuan mencatatkan kadar pengangguran yang lebih rendah pada tahun tersebut iaitu masing-masing dengan 3.8 peratus (2021: 4.5%) dan 4.1 peratus (2021: 4.8%).

Perincian mengikut kumpulan umur menunjukkan kadar pengangguran belia, merangkumi individu berumur 15 hingga 24 tahun, kekal tertinggi dengan kadar dua digit iaitu sebanyak 11.7 peratus pada 2022. Kadar yang lebih tinggi ini boleh dikaitkan dengan fasa peralihan dari sekolah atau belajar ke pasaran buruh bagi kebanyakan pencari kerja. Sementara itu, kadar pengangguran terendah dicatatkan oleh kumpulan umur 35 hingga 44 tahun pada 1.2 peratus diikuti kumpulan umur 45 hingga 54 tahun pada 1.7 peratus.

**Carta 8.1: Kadar pengangguran mengikut kumpulan umur dan jantina, Malaysia, 2021-2022**

Sumber: Jabatan Perangkaan Malaysia



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### MATLAMAT 9: INDUSTRI, INOVASI DAN INFRASTRUKTUR

Membina infrastruktur yang berdaya tahan, menggalakkan perindustrian menyeluruh dan mampan serta menggalakkan inovasi

Matlamat Pembangunan Mampan 9 (SDG9) menyasarkan untuk membina infrastruktur yang berdaya tahan, menggalakkan perindustrian menyeluruh dan mampan serta menggalakkan inovasi. SDG9 meliputi 12 indikator di peringkat global dan kesemua indikator telah tersedia di peringkat nasional bagi tahun ini.

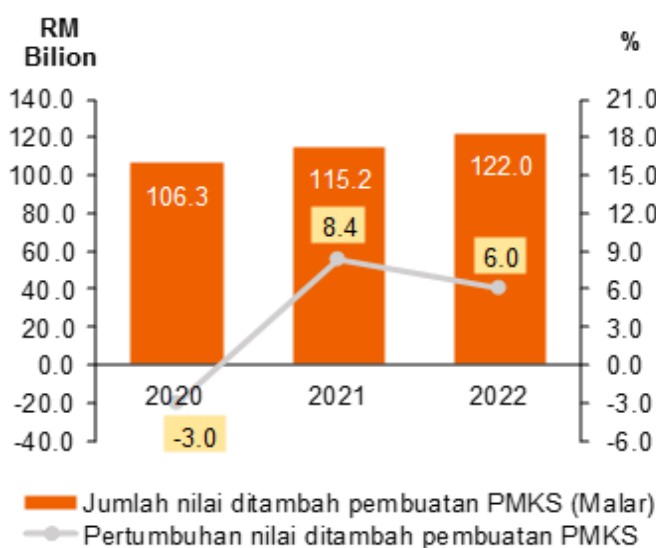
#### Indikator 9.3.1: Peratusan industri berskala kecil dalam nilai ditambah industri keseluruhan

Sasaran 9.3 adalah untuk meningkatkan akses perindustrian berskala kecil dan perusahaan lain, khususnya di negara membangun, kepada perkhidmatan kewangan, termasuk kredit mampu milik, dan penyepadannya dalam rantai nilai dan pasaran

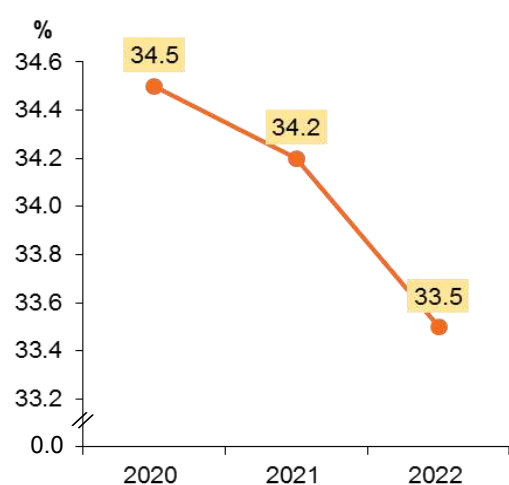
Indikator 9.3.1 mengukur sumbangan industri berskala kecil kepada nilai keseluruhan yang dijana oleh sektor perindustrian. Ia menekankan kepentingan memupuk Perusahaan Mikro, Kecil & Sederhana (PMKS) memainkan peranan penting dalam landskap perniagaan Malaysia dengan memberikan sumbangan yang besar kepada ekonomi Malaysia, secara tidak langsung menyumbang kepada peluang pekerjaan terutamanya di kawasan luar bandar.

Sektor Pembuatan yang merupakan penyumbang kedua terbesar kepada ekonomi Malaysia, memainkan peranan penting dalam memupuk pertumbuhan dan kestabilan ekonomi negara. Sumbangan Perusahaan Mikro, Kecil & Sederhana (PMKS) kepada Keluaran Dalam Negeri Kasar (KDNK) Malaysia dalam sektor Pembuatan mencapai 33.5 peratus dengan jumlah RM122.0 bilion pada 2022, lebih rendah berbanding dengan tahun sebelumnya mencatatkan 34.2 peratus. Walaupun penyusutan kecil dalam peratusan sumbangan, nilai ditambah PMKS bagi sektor Pembuatan mencatatkan pertumbuhan 6.0 peratus berbanding 8.4 peratus pada 2021.

**Carta 9.1: Peratusan Perusahaan Mikro, Kecil dan Sederhana (PMKS) dalam nilai ditambah industri keseluruhan, Malaysia, 2020-2022**



**Carta 9.2: Sumbangan nilai ditambah pembuatan PMKS terhadap KDNK, 2020-2022**



Sumber: Jabatan Perangkaan Malaysia



## MATLAMAT 10: MENGURANGKAN KETIDAKSAMAAN

### Mengurangkan ketidaksamaan dalam dan antara negara

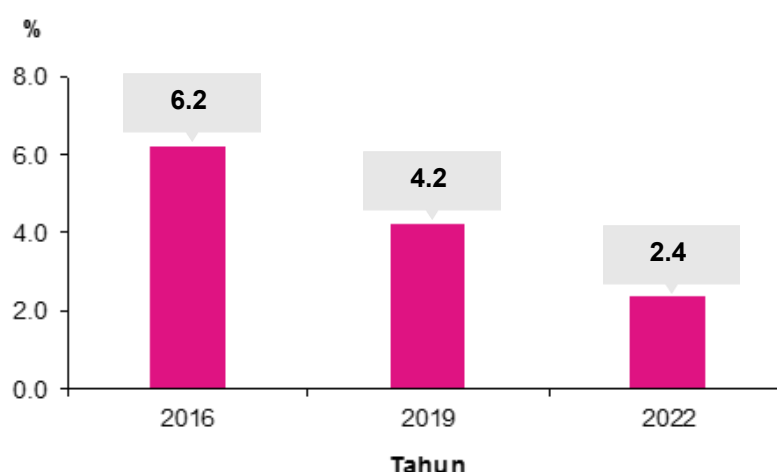
Matlamat Pembangunan Mampan 10 (SDG10) menyasarkan untuk mengurangkan ketidaksamaan dalam dan antara negara. SDG10 meliputi 14 indikator di peringkat global dan lapan (8) indikator telah tersedia di peringkat nasional bagi tahun ini.

#### Indikator 10.1.1: Kadar pertumbuhan perbelanjaan atau pendapatan isi rumah per kapita dalam kalangan penduduk terendah 40 peratus dan jumlah penduduk

Sasaran 10.1 adalah untuk mencapai dan mengekalkan secara progresif pertumbuhan pendapatan penduduk 40 peratus terendah pada kadar lebih tinggi daripada purata nasional pada 2030.

Kadar pertumbuhan dalam agregat kesejahteraan bawah 40 peratus dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau bawah 40 peratus pengagihan pendapatan di sebuah negara dari survei isi rumah dalam tempoh 5 tahun. Kadar pertumbuhan purata nasional dalam agregat kesejahteraan dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau pendapatan bagi jumlah penduduk di sebuah negara yang bersumber dari survei isi rumah dalam tempoh 5 tahun. Kadar pertumbuhan tahunan bagi pendapatan purata isi rumah Terendah 40 peratus (B40) di Malaysia menurun ke 2.4 peratus pada 2022 berbanding 4.2 peratus pada 2019.

**Carta 10.1: Kadar pertumbuhan pendapatan purata kumpulan isi rumah terendah 40 peratus, Malaysia, 2016, 2019 dan 2022**



**Nota:** Data bagi isi rumah merujuk kepada warganegara sahaja.

**Sumber:** Jabatan Perangkaan Malaysia



## MATLAMAT 10: MENGURANGKAN KETIDAKSAMAAN

Mengurangkan ketidaksamaan dalam dan antara negara

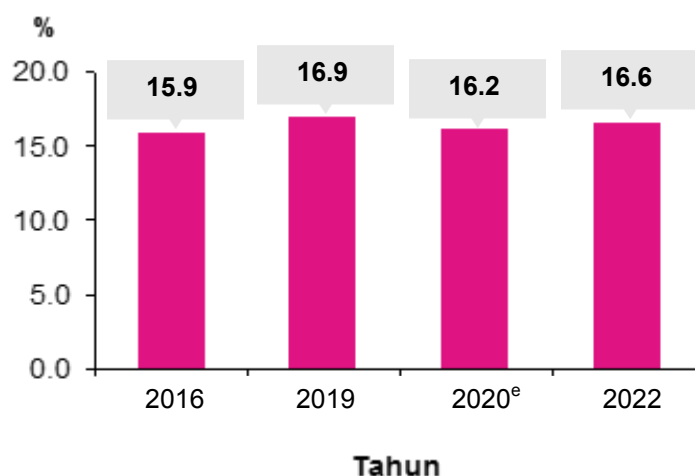
**Indikator 10.2.1: Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya**

Proksi: Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah

Sasaran 10.2 menasaskan untuk memperkasa dan menggalakkan penyertaan semua dalam politik, ekonomi dan sosial tanpa mengira umur, jantina, ketidakupayaan, kaum, etnik, asal usul, agama atau status ekonomi atau status lain pada tahun 2030.

Di peringkat global, peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah (atau penggunaan) ialah peratusan penduduk negara yang hidup kurang daripada separuh tahap pendapatan/ penggunaan daripada purata pengagihan pendapatan/ penggunaan nasional. Di peringkat nasional pula, indikator ini dikira berdasarkan peratusan isi rumah warganegara yang hidup di bawah 50 peratus daripada pendapatan penengah. Peratusan isi rumah yang hidup di bawah pendapatan penengah di Malaysia telah meningkat kepada 16.6 peratus pada 2022 berbanding 16.2 peratus pada tahun 2020<sup>e</sup>.

**Carta 10.2: Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah, Malaysia, 2016, 2019, 2020<sup>e</sup> dan 2022**



Nota: <sup>e</sup> Anggaran

Sumber: Jabatan Perangkaan Malaysia



## MATLAMAT 11: BANDAR DAN KOMUNITI YANG MAMPAN

Menjadikan bandar dan penempatan penduduk sebagai menyeluruh, selamat, berdaya tahan dan mampan

Sasaran Matlamat Pembangunan Mampan 11 (SDG11) adalah untuk menjadikan bandar dan penempatan penduduk sebagai menyeluruh, selamat, berdaya tahan dan mampan. SDG11 meliputi 15 indikator di peringkat global dan 14 indikator telah tersedia di peringkat nasional bagi tahun ini.

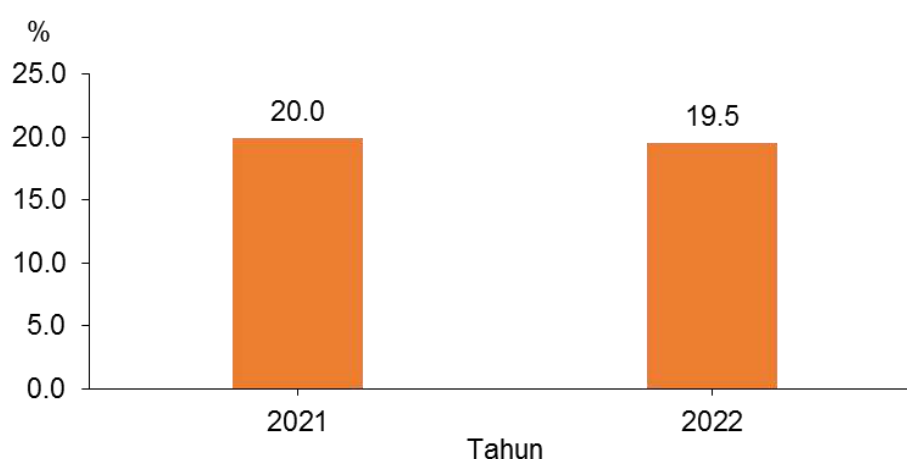
### Indikator 11.6.1: Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

Proksi: Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan

Sasaran 11.6 menasaskan untuk mengurangkan kesan buruk bandar raya terhadap alam sekitar per kapita, termasuk memberikan perhatian khusus kepada kualiti udara, perbandaran dan pengurusan sisa lain menjelang 2030.

Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan merupakan proksi kepada indikator SDG 11.6.1. Data ini hanya mengambil kira sisa pepejal bagi negeri di Semenanjung Malaysia. Sisa pepejal yang dikumpulkan meliputi sisa pepejal yang dihasilkan oleh isi rumah atau mana-mana premis yang dihuni sebagai rumah kediaman yang dikutip oleh Pihak Berkuasa Tempatan serta Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam Negara. Data sisa pepejal yang dikitar semula dikumpul melalui program dan projek yang dilaksanakan oleh Pihak Berkuasa Tempatan. Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan menurun kepada 19.5 peratus pada 2022 berbanding 20.0 peratus pada tahun sebelumnya.

**Carta 11.1: Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan, Semenanjung Malaysia, 2021-2022**



Sumber: MURNInets, Jabatan Perancangan Bandar dan Desa (PLANMalaysia)



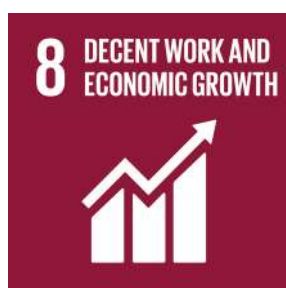
## INTRODUCTION OF PROSPERITY FOCUS AREA

### Prosperity

Prosperity focus area extends beyond mere economic growth and encompasses the concept of sustainable and inclusive development. The objective is to guarantee that economic advancement positively impacts all segments of society while safeguarding the well-being of future generations. Prosperity focus area consists of five goals namely:

- i. Goal 7: Affordable and Clean Energy;
- ii. Goal 8: Decent Work and Economic Growth;
- iii. Goal 9: Industry, Innovation and Infrastructure;
- iv. Goal 10: Reduced Inequalities; and
- v. Goal 11: Sustainable Cities and Communities.

This focus area covers 63 indicators at the global level and 53 indicators are available at the national level for this year.





## GOAL 7: AFFORDABLE AND CLEAN ENERGY

**Ensure access to affordable, reliable, sustainable and modern energy for all**

Sustainable Development Goal 7 (SDG7) targets are to ensure access to affordable, reliable, sustainable and modern energy for all. SDG7 covers six (6) indicators at the global level and five (5) indicators are available at the national level for this year.

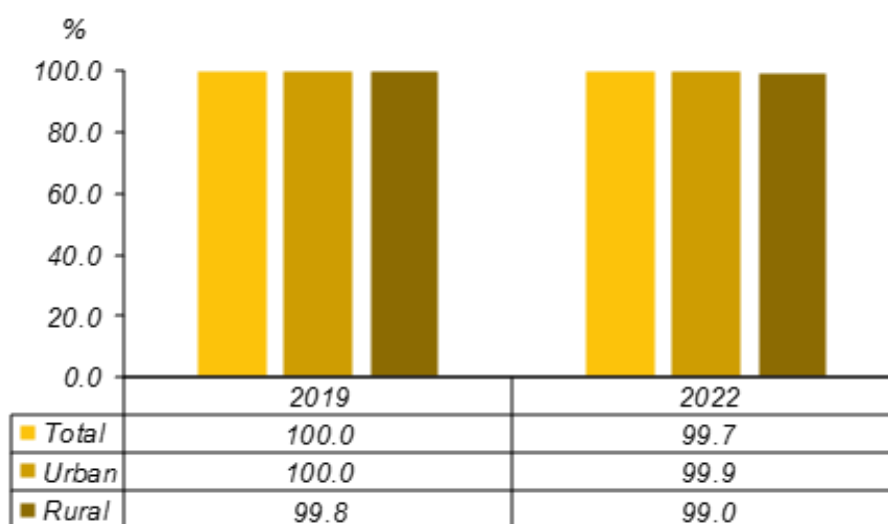
### Indicator 7.1.1: Proportion of population with access to electricity

Target 7.1 aims to ensure universal access to affordable, reliable and modern energy services by 2030.

Energy is essential for the well-being and economic development of a country. The need for energy grows in tandem with the expanding population and the burgeoning industrial and commercial sectors. Despite of the expansion, Malaysia has seen a deceleration in electricity consumption, due to a shift towards the use of renewable energy.

The accessibility of electricity in Malaysia decreased marginally to 99.7 per cent in 2022. The proportion of the population with access to electricity in rural areas slipped 0.8 percentage points to 99.0 per cent in 2022 as compared to 99.8 per cent in 2019.

**Chart 7.1: Proportion of population with access to electricity by strata, 2019 and 2022**



Source: Department of Statistics Malaysia



## GOAL 7: AFFORDABLE AND CLEAN ENERGY

*Ensure access to affordable, reliable, sustainable and modern energy for all*

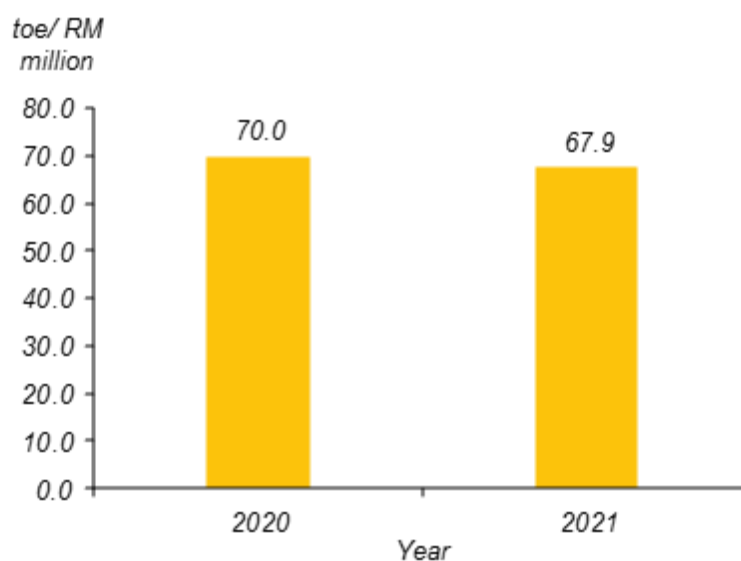
### Indicator 7.3.1: Energy intensity measured in terms of primary energy and GDP

Target 7.3 aims to double the global rate of improvement in energy efficiency by 2030.

Energy intensity is an indicator of how much energy is used to produce one unit of economic output. It is a proxy of the efficiency where economy is able to use energy to produce economic output. A lower ratio indicates that less energy is used to produce one unit of output.

Energy intensity has decreased to 67.9 toe per RM1 millions of GDP in 2021 as compared to 70.0 toe in 2020.

**Chart 7.2: Energy intensity measured in terms of primary energy and GDP, 2020 and 2021**



Source: Energy Commission, Malaysia

**8 DECENT WORK AND ECONOMIC GROWTH****GOAL 8: DECENT WORK AND ECONOMIC GROWTH**

*Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all*

Sustainable Development Goal 8 (SDG8) targets are to promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all. SDG8 covers 16 indicators at the global level and 14 indicators are available at the national level for this year.

**Indicator 8.5.2: Unemployment rate, by sex, age and persons with disabilities**

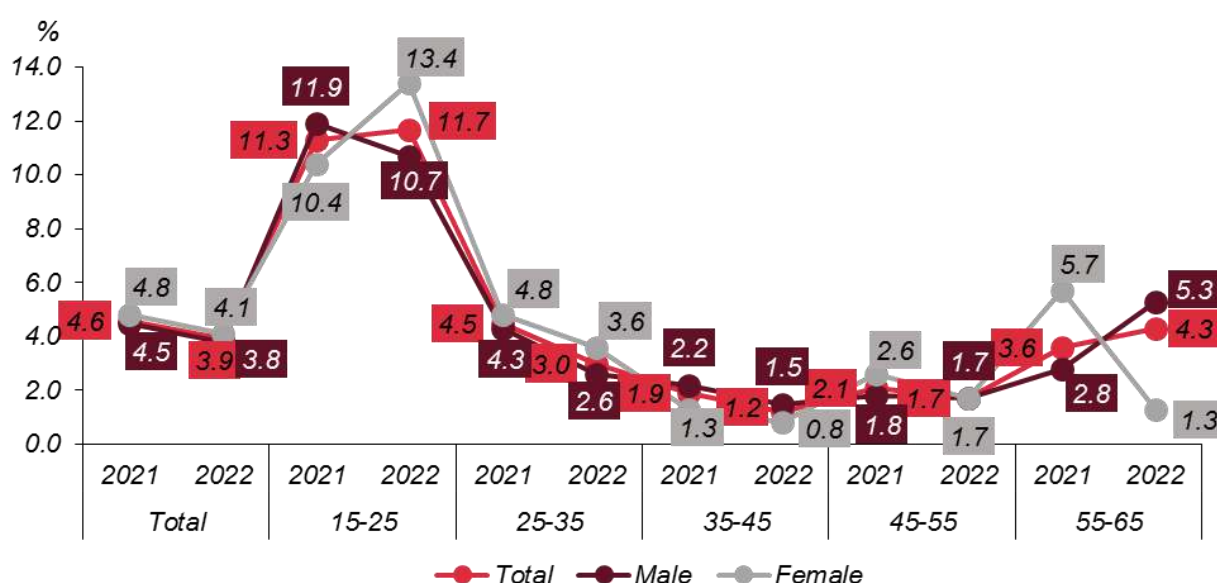
Target 8.5 aims to achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value by 2030.

The unemployment rate is measured as a percentage of the labour force that is unemployed and actively seeking employment. It is a key economic indicator that reflects the health of the country's labour market and economy.

Overall, the national unemployment rate recorded a decline of 0.7 percentage points to record 3.9 per cent in 2022 (2021: 4.6%). The improvement in the unemployment situation was attributed to the reopening of all economic activities during 2022 after the restriction imposed following the COVID-19 pandemic since 2020. Both male and female posted a lower unemployment rate during the year which was 3.8 per cent (2021: 4.5%) and 4.1 per cent (2021: 4.8%) respectively.

Disaggregation by age group revealed that the youth unemployment rate, encompassing individuals aged 15 to 24 years, remained the highest with a double-digit rate of 11.7 per cent in 2022. The higher rate could be associated with the transitional phase from school or study to the labour market for most job seekers. Meanwhile, the lowest unemployment rate was recorded by the age group of 35 to 44 years at 1.2 per cent followed by the age group of 45 to 54 years at 1.7 per cent.

**Chart 8.1: Unemployment rate by age group and sex, Malaysia, 2021-2022**



Source: Department of Statistics Malaysia



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

**Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation**

Sustainable Development Goal 9 (SDG9) aims to build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation. SDG9 covers 12 indicators at the global level and all indicators are available at the national level for this year.

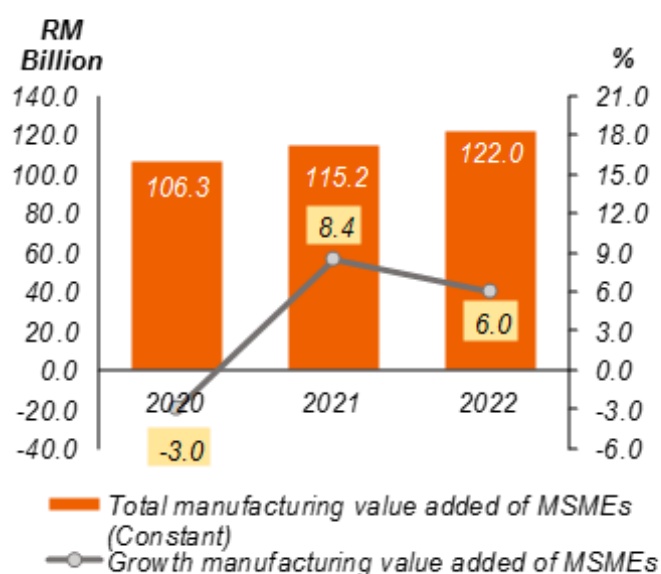
#### Indicator 9.3.1: Proportion of small-scale industries in total industry value added

Target 9.3 aims to increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets

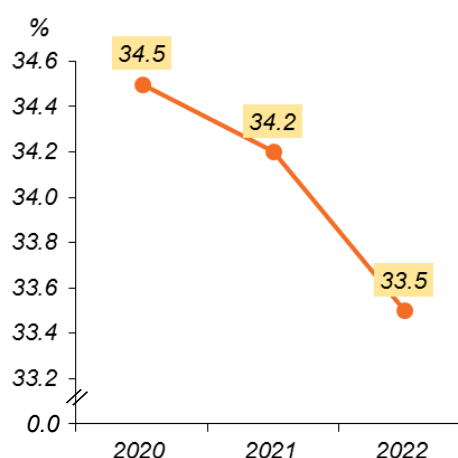
SDG Indicator 9.3.1 measures the contribution of small-scale industries to the overall value generated by the industrial sector. It emphasises the importance of nurturing Micro, Small & Medium Enterprises (MSMEs) are essential to Malaysia's business landscape since they significantly contribute to the Malaysia's economy, indirectly contribute to the job creation especially in rural areas.

The Manufacturing sector which was the second largest contributor to Malaysia's economy, plays a vital role in fostering the country's economic growth and stability. The contribution of Micro, Small, and Medium Enterprises (MSMEs) to Malaysia's Gross Domestic Product (GDP) within the Manufacturing sector reached 33.5 per cent with a total of RM122.0 billion in 2022, lower in comparison with the preceding year registering 34.2 per cent. Despite the marginal decline in percentage contribution, MSMEs' value added for the Manufacturing sector posted a growth of 6.0 per cent as compared to 8.4 per cent in 2021.

**Chart 9.1: Proportion of Micro, Small and Medium Enterprises (MSMEs) in total industry value added, Malaysia, 2020-2022**



**Chart 9.2: Share manufacturing value added of MSMEs to GDP, 2020-2022**



Source: Department of Statistics Malaysia



## GOAL 10: REDUCED INEQUALITIES

*Reduce inequality within and among countries*

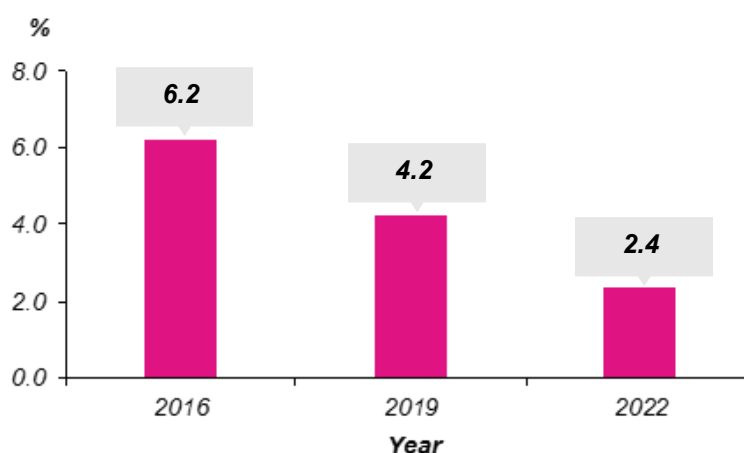
Sustainable Development Goal 10 (SDG10) aims to reduce inequality within and among countries. SDG10 covers 14 indicators at the global level and eight (8) indicators are available at the national level for this year.

### **Indicator 10.1.1: Growth rates of household expenditure or income per capita among the bottom 40 per cent of the population and the total population**

Target 10.1 aims to progressively achieve and sustain income growth of the bottom 40 per cent of the population at a rate higher than the national average in 2030.

The growth rate in aggregate well-being below 40 per cent is calculated as the average annual growth rate of real consumption per capita or below 40 per cent of the income distribution in a country from a household survey over a period of approximately 5 years. The national average growth rate in aggregate well-being is calculated as the annual average growth rate in real consumption per capita or income of the total population in a country from a household survey over a period of approximately 5 years. Annual growth rate of households mean income among the Bottom 40 per cent (B40) households in Malaysia decreased to 2.4 per cent in 2022 as compared to 4.2 per cent in 2019.

**Chart 10.1: Growth rates of mean income among the bottom 40 per cent of households, Malaysia, 2016, 2019 and 2022**



**Note:** Data for households refers to citizen only.

**Source:** Department of Statistics Malaysia



## GOAL 10: REDUCED INEQUALITIES

*Reduce inequality within and among countries*

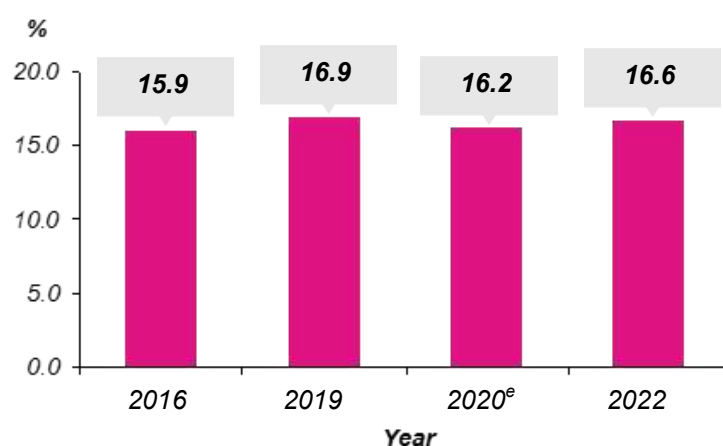
### **Indicator 10.2.1: Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities**

*Proxy: Proportion of households living below 50 per cent of median income*

Target 10.2 aims to empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status by year 2030.

At the global level, the proportion of people living below 50 per cent of median income (or consumption) is the share of a country's population living on less than half of the income/ consumption level of the median of the national income/ consumption distribution. At the national level, this indicator is calculated based on the proportion of households living below 50 per cent of median income. The proportion of households living below the median income in Malaysia increased to 16.6 per cent in 2022 as compared with 16.2 per cent in 2020<sup>e</sup>.

**Chart 10.2: Proportion of households living below 50 per cent of median income, Malaysia, 2016, 2019, 2020<sup>e</sup> and 2022**



**Note:** <sup>e</sup> Estimates

**Source:** Department of Statistics Malaysia



## GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES

**Make cities and human settlements inclusive, safe, resilient and sustainable**

Sustainable Development Goal 11 (SDG11) targets are to make cities and human settlements inclusive, safe, resilient and sustainable. SDG11 covers 15 indicators at the global level and 14 indicators are available at the national level for this year.

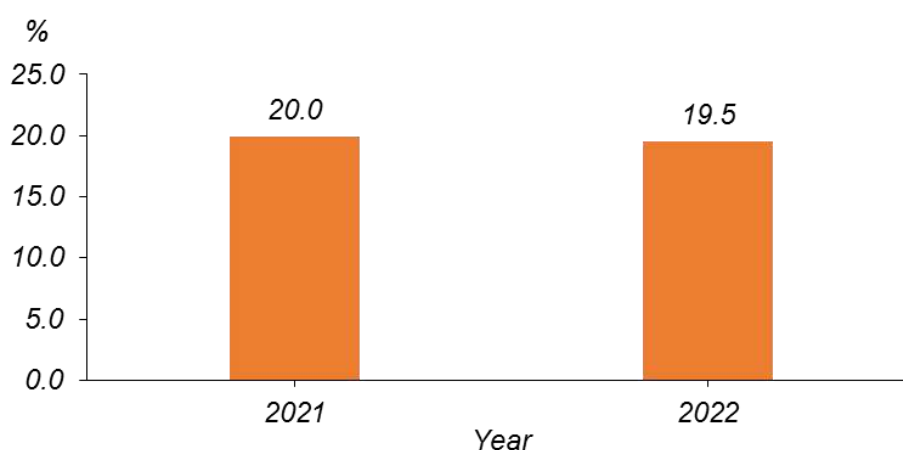
### **Indicator 11.6.1: Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities**

*Proxy: Proportion of solid wastes recycled out of total solid wastes collected*

Target 11.6 aims to reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management by 2030.

The proportion of solid wastes recycled out of the total solid wastes collected is a proxy for SDG indicator 11.6.1. This data only takes into account solid wastes for states in Peninsular Malaysia. The data covers solid wastes produced by households or any premises occupied as a residential house collected by the Local Authority and the Solid Waste Management and Public Cleansing Corporation. Solid wastes recycled data was collected via programs and projects implemented by Local Authority. The proportion of solid wastes recycled out of the total solid wastes collected decreased to 19.5 per cent in 2022 as compared to 20.0 per cent in the previous year.

**Chart 11.1: Proportion solid wastes recycled out of total solid wastes collected, Peninsular Malaysia, 2021-2022**



Source: MURNInets, Department of Town and Country Planning (PLANMalaysia)



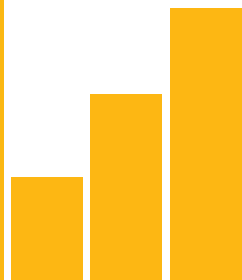
# BAHAGIAN *PART*

# 3

## Jadual Indikator SDG Malaysia

*Table of SDG Indicators  
Malaysia*

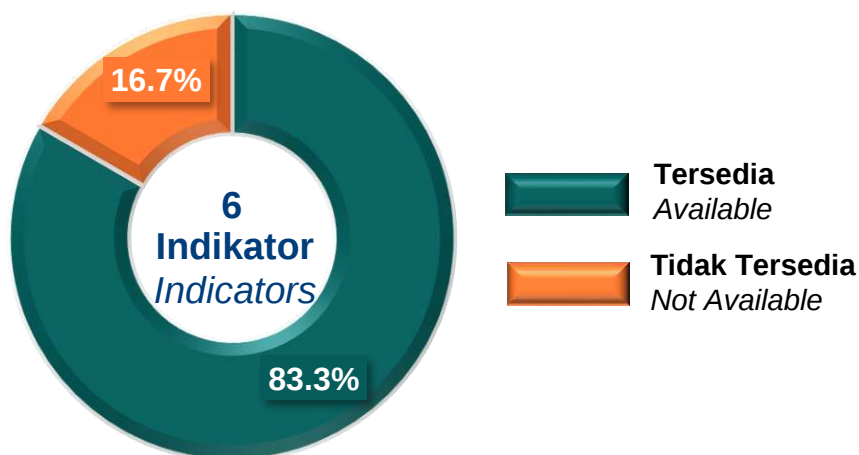
**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



# Tenaga Mampu Milik dan Bersih

## *Affordable and Clean Energy*

Memastikan akses kepada tenaga mampu milik, boleh dipercayai, mampan dan moden untuk semua  
*Ensure access to affordable, reliable, sustainable and modern energy for all*



**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

*Indicator 7.1.1 : Proportion of population with access to electricity*

**Jadual 7.1 : Peratusan penduduk dengan akses kepada bekalan elektrik mengikut negeri dan strata, Malaysia, 2016, 2019 dan 2022**

*Table 7.1 : Proportion of population with access to electricity by state and strata, Malaysia, 2016, 2019 and 2022*

| (%)             |               |                    |                 |                      |
|-----------------|---------------|--------------------|-----------------|----------------------|
| Negeri<br>State | Tahun<br>Year | Jumlah<br>Total    | Bandar<br>Urban | Luar Bandar<br>Rural |
| Malaysia        | 2016          | 99.9               | 100.0           | 99.7                 |
|                 | 2019          | 100.0 <sup>r</sup> | 100.0           | 99.8                 |
|                 | 2022          | 99.7               | 99.9            | 99.0                 |
| Johor           | 2016          | 100.0 <sup>r</sup> | 100.0           | 99.9                 |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Kedah           | 2016          | 100.0              | 100.0           | 100.0                |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Kelantan        | 2016          | 100.0 <sup>r</sup> | 100.0           | 99.9                 |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Negeri Sembilan | 2016          | 100.0 <sup>r</sup> | 100.0           | 99.9                 |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Melaka          | 2016          | 100.0              | 100.0           | 100.0                |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Pahang          | 2016          | 100.0              | 100.0           | 100.0                |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 99.5               | 100.0           | 98.9                 |
| Pulau Pinang    | 2016          | 100.0              | 100.0           | 100.0                |
|                 | 2019          | 100.0              | 100.0           | 100.0                |
|                 | 2022          | 100.0              | 100.0           | 100.0                |
| Perak           | 2016          | 100.0 <sup>r</sup> | 100.0           | 99.9                 |
|                 | 2019          | 100.0 <sup>r</sup> | 100.0           | 99.9                 |
|                 | 2022          | 100.0              | 100.0           | 100.0                |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Notes :**

**1. Peratus yang ditunjukkan dalam jadual adalah diperoleh daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran**

*The percentages shown in the table are obtained from actual figures and does not necessarily add up to 100 per cent due to rounding*

**2. n.a. tidak berkenaan**

*not applicable*

**3. <sup>r</sup> Dikemaskini**

*Revised*

**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

*Indicator 7.1.1 : Proportion of population with access to electricity*

**Jadual 7.1 : Peratusan penduduk dengan akses kepada bekalan elektrik mengikut negeri dan strata, Malaysia, 2016, 2019 dan 2022 (samb.)**

*Table 7.1 : Proportion of population with access to electricity by state and strata, Malaysia, 2016, 2019 and 2022 (cont'd)*

| (%)               |               |                 |                 |                      |
|-------------------|---------------|-----------------|-----------------|----------------------|
| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Bandar<br>Urban | Luar Bandar<br>Rural |
| Perlis            | 2016          | 100.0           | 100.0           | 100.0                |
|                   | 2019          | 100.0           | 100.0           | 100.0                |
|                   | 2022          | 100.0           | 100.0           | 100.0                |
| Selangor          | 2016          | 100.0           | 100.0           | 100.0                |
|                   | 2019          | 100.0           | 100.0           | 100.0                |
|                   | 2022          | 100.0           | 100.0           | 100.0                |
| Terengganu        | 2016          | 100.0           | 100.0           | 100.0                |
|                   | 2019          | 100.0           | 100.0           | 100.0                |
|                   | 2022          | 100.0           | 100.0           | 100.0                |
| Sabah             | 2016          | 99.5            | 100.0           | 98.7                 |
|                   | 2019          | 99.7            | 99.9            | 99.3                 |
|                   | 2022          | 99.0            | 99.8            | 97.7                 |
| Sarawak           | 2016          | 99.6            | 99.9            | 99.3                 |
|                   | 2019          | 99.8            | 99.9            | 99.7                 |
|                   | 2022          | 97.8            | 99.3            | 95.6                 |
| W.P. Kuala Lumpur | 2016          | 100.0           | 100.0           | n.a.                 |
|                   | 2019          | 100.0           | 100.0           | n.a.                 |
|                   | 2022          | 100.0           | 100.0           | n.a.                 |
| W.P. Labuan       | 2016          | 100.0           | 100.0           | 100.0                |
|                   | 2019          | 100.0           | 100.0           | 100.0                |
|                   | 2022          | 100.0           | 100.0           | 100.0                |
| W.P. Putrajaya    | 2016          | 100.0           | 100.0           | n.a.                 |
|                   | 2019          | 100.0           | 100.0           | n.a.                 |
|                   | 2022          | 100.0           | 100.0           | n.a.                 |

**Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia**

*Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia*

**Nota/ Notes :**

**1. Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran**

*The percentages shown in the table are obtained from actual figures and does not necessarily add up to 100 per cent due to rounding*

**2. n.a. tidak berkenaan**

*not applicable*



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**  
*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual 7.2 : Peratusan isi rumah mengikut peralatan tempat kediaman terpilih yang dimiliki, negeri dan strata, Malaysia, 2016, 2019 dan 2022**

*Table 7.2 : Percentage of households by selected household equipment owned, state and strata, Malaysia, 2016, 2019 and 2022*

(%)

| Negeri<br>State   | Dapur masak gas/ elektrik<br>Gas/ electric stove |                 |                         |                 |                 |                         |                 |                 |                         |
|-------------------|--------------------------------------------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|
|                   | 2016                                             |                 |                         | 2019            |                 |                         | 2022            |                 |                         |
|                   | Jumlah<br>Total                                  | Bandar<br>Urban | Luar<br>Bandar<br>Rural | Jumlah<br>Total | Bandar<br>Urban | Luar<br>Bandar<br>Rural | Jumlah<br>Total | Bandar<br>Urban | Luar<br>Bandar<br>Rural |
| <b>Malaysia</b>   | <b>98.3</b>                                      | <b>98.4</b>     | <b>97.7</b>             | <b>97.6</b>     | <b>97.6</b>     | <b>97.6</b>             | <b>98.8</b>     | <b>98.8</b>     | <b>98.8</b>             |
| Johor             | 98.0                                             | 98.0            | 98.1                    | 98.0            | 98.0            | 97.7                    | 99.4            | 99.4            | 99.2                    |
| Kedah             | 98.6                                             | 98.6            | 98.6                    | 98.6            | 98.5            | 99.0                    | 99.2            | 99.3            | 99.1                    |
| Kelantan          | 97.9                                             | 97.9            | 98.0                    | 99.6            | 99.5            | 99.6                    | 98.9            | 99.4            | 98.5                    |
| Melaka            | 97.2                                             | 97.2            | 97.1                    | 97.0            | 97.0            | 96.3                    | 97.6            | 97.5            | 97.7                    |
| Negeri Sembilan   | 98.1                                             | 98.1            | 98.0                    | 98.6            | 98.6            | 98.6                    | 99.2            | 99.1            | 99.4                    |
| Pahang            | 98.2                                             | 98.2            | 98.3                    | 95.4            | 95.2            | 95.7                    | 98.7            | 98.7            | 98.7                    |
| Pulau Pinang      | 98.4                                             | 98.4            | 99.1                    | 97.6            | 97.6            | 96.5                    | 98.3            | 98.3            | 98.0                    |
| Perak             | 98.4                                             | 98.4            | 98.2                    | 96.9            | 96.9            | 96.9                    | 99.9            | 99.9            | 99.9                    |
| Perlis            | 98.9                                             | 99.3            | 98.1                    | 96.4            | 96.4            | 96.3                    | 99.6            | 99.6            | 99.5                    |
| Selangor          | 99.6                                             | 99.6            | 99.7                    | 97.9            | 97.9            | 98.6                    | 98.5            | 98.5            | 98.9                    |
| Terengganu        | 98.2                                             | 98.2            | 98.3                    | 97.4            | 97.2            | 97.8                    | 98.5            | 98.9            | 97.8                    |
| Sabah             | 94.8                                             | 95.0            | 94.3                    | 96.3            | 96.5            | 96.0                    | 98.4            | 98.6            | 98.1                    |
| Sarawak           | 97.3                                             | 97.3            | 97.4                    | 96.7            | 96.3            | 97.4                    | 98.9            | 98.8            | 99.0                    |
| W.P. Kuala Lumpur | 99.2                                             | 99.2            | n.a.                    | 97.8            | 97.8            | n.a.                    | 98.8            | 98.8            | n.a.                    |
| W.P. Labuan       | 97.8                                             | 97.5            | 100.0                   | 96.9            | 96.9            | 97.4                    | 96.4            | 96.3            | 97.8                    |
| W.P. Putrajaya    | 99.8                                             | 99.8            | n.a.                    | 98.6            | 98.6            | n.a.                    | 99.2            | 99.2            | n.a.                    |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Notes :**

**1. n.a. tidak berkenaan**  
*not applicable*

**2. Peratusan penduduk yang menggunakan sekurang-kurangnya dapur gas (LPG) untuk memasak**  
*Percentage of population using at least gas stove (LPG) for cooking*



**Indikator 7.2.1 :** Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir

*Indicator 7.2.1 :* Renewable energy share in the total final energy consumption

**Jadual 7.3 :** Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir, Malaysia, 2019-2021

*Table 7.3 :* Renewable energy share in the total final energy consumption, Malaysia, 2019-2021

(%)

| Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir<br><i>Renewable energy share in the total final energy consumption</i> | 2019 | 2020 | 2021 <sup>P</sup> |
|-------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------------|
| i. Penggunaan akhir tenaga<br><i>Final energy consumption</i>                                                                             | 1.0  | 1.4  | 1.4               |
| ii. Tenaga primer yang dibekalkan<br><i>Primary energy supplied</i>                                                                       | 3.4  | 3.9  | 4.2               |
| iii. Campuran penjanaan<br><i>Generation mix</i>                                                                                          | 16.1 | 17.6 | 19.3              |
| iv. Biotenaga<br><i>Bioenergy</i>                                                                                                         | 3.8  | 4.0  | 3.6               |

Sumber: Suruhanjaya Tenaga  
Source: Energy Commission

**Nota/ Note :**

<sup>P</sup> Permulaan  
*Preliminary*

**Indikator 7.3.1 :** Intensiti tenaga yang diukur dari segi tenaga primer dan KDNK

*Indicator 7.3.1 :* Energy intensity measured in terms of primary energy and GDP

**Jadual 7.4 :** Intensiti tenaga yang diukur dari segi tenaga primer dan KDNK, Malaysia, 2019-2021

*Table 7.4 :* Energy intensity measured in terms of primary energy and GDP, Malaysia, 2019-2021

toe/KDNK pada harga malar 2015 (RM juta)  
*toe/GDP at constant price 2015 (RM million)*

| Intensiti tenaga<br><i>Energy intensity</i> | 2019 | 2020 | 2021 <sup>P</sup> |
|---------------------------------------------|------|------|-------------------|
| Malaysia                                    | 69.2 | 70.0 | 67.9              |

Sumber: Suruhanjaya Tenaga  
Source: Energy Commission

**Nota/ Notes :**

1. <sup>P</sup> Permulaan  
*Preliminary*

2. toe merujuk kepada tan setara minyak  
*toe refers to tonnes of oil equivalent*

**Indikator 7.b.1 :** Kapasiti penjanaan tenaga boleh baharu yang dipasang di negara membangun (dalam watt per kapita)

*Indicator 7.b.1 :* Installed renewable energy-generating capacity in developing countries (in watts per capita)

**Jadual 7.5 :** Kapasiti penjanaan tenaga boleh baharu yang dipasang di negara membangun, Malaysia, 2019-2021

*Table 7.5 :* Installed renewable energy-generating capacity in developing countries, Malaysia, 2019-2021

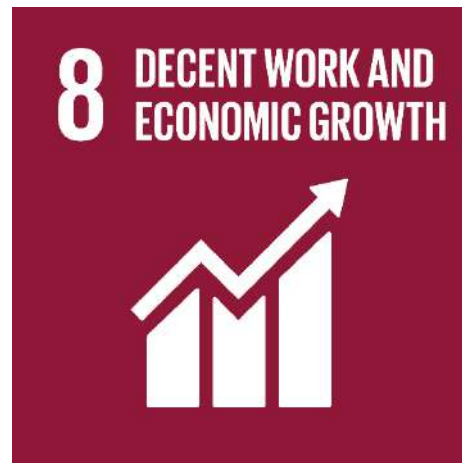
watt per kapita  
*watts per capita*

| Intensiti tenaga<br><i>Energy intensity</i> | 2019  | 2020  | 2021 <sup>P</sup> |
|---------------------------------------------|-------|-------|-------------------|
| Malaysia                                    | 238.9 | 251.7 | 259.6             |

Sumber: Suruhanjaya Tenaga  
Source: Energy Commission

**Nota/ Note :**

<sup>P</sup> Permulaan  
*Preliminary*

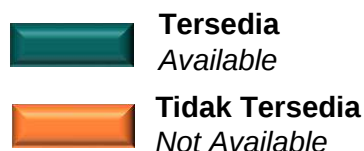
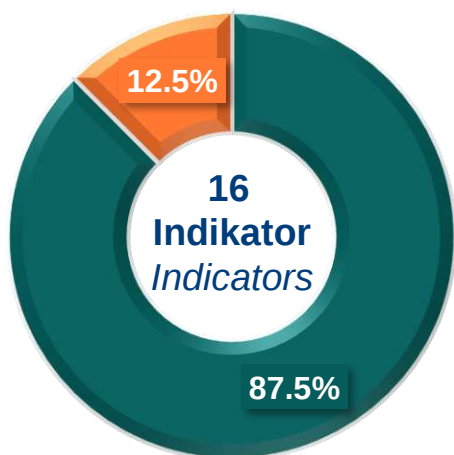


# Pekerjaan yang Sesuai dan Pertumbuhan Ekonomi

## *Decent Work and Economic Growth*

Menggalakkan pertumbuhan ekonomi yang mampan, menyeluruh dan berkekalan, guna tenaga penuh dan produktif serta pekerjaan yang sesuai untuk semua

*Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all*



**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 8.1.1 : Kadar pertumbuhan tahunan KDNK sebenar per kapita**

Indicator 8.1.1 : Annual growth rate of real GDP per capita

**Jadual 8.1 : Kadar pertumbuhan tahunan KDNK sebenar per kapita mengikut negeri, Malaysia, 2020-2022 (Proksi)**

Table 8.1 : Annual growth rate of real GDP per capita by state, Malaysia, 2020-2022 (Proxy)

| (%)                            |                   |                   |                   |
|--------------------------------|-------------------|-------------------|-------------------|
| Negeri<br>State                | 2020 <sup>f</sup> | 2021 <sup>e</sup> | 2022 <sup>p</sup> |
| <b>Malaysia</b>                | <b>-5.2</b>       | <b>2.9</b>        | <b>8.2</b>        |
| Johor                          | -10.5             | 2.3               | 8.0               |
| Kedah                          | 0.2               | 2.2               | 6.6               |
| Kelantan                       | 3.9               | 1.3               | 3.2               |
| Melaka                         | -12.5             | 1.5               | 8.1               |
| Negeri Sembilan                | -9.5              | 2.8               | 6.1               |
| Pahang                         | -1.3              | 0.3               | 9.9               |
| Pulau Pinang                   | -0.5              | 7.0               | 13.1              |
| Perak                          | -1.8              | 2.8               | 4.3               |
| Perlis                         | -16.1             | 0.5               | 4.9               |
| Selangor                       | -11.9             | 5.0               | 11.3              |
| Terengganu                     | 2.2               | 1.8               | 4.5               |
| Sabah                          | 3.8               | 1.7               | 3.6               |
| Sarawak                        | 6.7               | 2.7               | 6.2               |
| W.P. Kuala Lumpur <sup>a</sup> | -16.1             | 1.6               | 9.2               |
| W.P. Labuan                    | 4.2               | -0.5              | 3.0               |

Sumber: Akaun Negara Tahunan Keluaran Dalam Negeri Kasar (KDNK), Jabatan Perangkaan Malaysia  
Source: Annual National Accounts Gross Domestic Product (GDP), Department of Statistics Malaysia

**Nota/ Notes :**

1. <sup>a</sup> Termasuk/ Includes W.P. Putrajaya

2. <sup>f</sup> Akhir  
Final

3. <sup>e</sup> Anggaran  
Estimates

4. <sup>p</sup> Permulaan  
Preliminary

5. Data 2021-2022 menggunakan anggaran Penduduk Pertengahan Tahun berasaskan Banci Penduduk dan Perumahan 2020  
The 2021-2022 data uses Mid-Year Population estimates based on the 2020 Population and Housing Census

**Indikator 8.2.1 : Kadar pertumbuhan tahunan KDNK sebenar bagi setiap pekerja**

Indicator 8.2.1 : Annual growth rate of real GDP per employed person

**Jadual 8.2 : Kadar pertumbuhan tahunan KDNK sebenar bagi setiap pekerja, Malaysia, 2020-2022**

Table 8.2 : Annual real GDP per employed person, Malaysia, 2020-2022

|                                                            | 2020      | 2021 <sup>e</sup> | 2022 <sup>p</sup> |
|------------------------------------------------------------|-----------|-------------------|-------------------|
| <b>KDNK Sebenar (RM juta)</b><br>Real GDP (RM million)     | 1,346,249 | 1,390,644         | 1,510,939         |
| <b>Pekerja ('000)</b><br>Employment ('000)                 | 15,096    | 15,290            | 15,762            |
| <b>Produktiviti buruh (RM)</b><br>Labour productivity (RM) | 89,179    | 90,952            | 95,858            |
| <b>Pertumbuhan (%)</b><br>Growth (%)                       | -5.3      | 2.0               | 5.4               |

Sumber: Produktiviti Buruh Suku Kedua 2023, Jabatan Perangkaan Malaysia  
Source: Labour Productivity Second Quarter 2023, Department of Statistics Malaysia

**Nota/ Notes :**

1. <sup>e</sup> Anggaran  
Estimates

2. <sup>p</sup> Permulaan  
Preliminary

3. KDNK pada harga malar 2015  
GDP at constant 2015 prices



**Indikator 8.3.1 : Peratusan guna tenaga informal dalam jumlah guna tenaga, mengikut sektor dan jantina**

**Indicator 8.3.1 : Proportion of informal employment in total employment, by sector and sex**

**Jadual 8.3a : Sumbangan guna tenaga dalam sektor informal mengikut negeri dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)**

**Table 8.3a : Share of employment in the informal sector by state and sex, Malaysia, 2017, 2019 and 2021 (Proxy)**

(%)

| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|-------------------|---------------|-----------------|----------------|---------------------|
| Malaysia          | 2017          | 10.8            | 11.1           | 10.3                |
|                   | 2019          | 9.3             | 8.9            | 9.9                 |
|                   | 2021          | 9.6             | 9.1            | 10.4                |
| Johor             | 2017          | 8.3             | 8.6            | 7.8                 |
|                   | 2019          | 8.2             | 6.0            | 11.4                |
|                   | 2021          | 8.5             | 7.0            | 11.3                |
| Kedah             | 2017          | 18.2            | 19.9           | 15.9                |
|                   | 2019          | 13.4            | 13.0           | 14.0                |
|                   | 2021          | 10.9            | 11.0           | 10.7                |
| Kelantan          | 2017          | 22.8            | 24.3           | 20.7                |
|                   | 2019          | 22.1            | 23.7           | 19.5                |
|                   | 2021          | 17.4            | 17.3           | 17.5                |
| Melaka            | 2017          | 9.8             | 11.4           | 7.6                 |
|                   | 2019          | 8.5             | 6.4            | 11.3                |
|                   | 2021          | 6.3             | 6.2            | 6.4                 |
| Negeri Sembilan   | 2017          | 11.0            | 12.0           | 9.4                 |
|                   | 2019          | 7.7             | 5.9            | 10.4                |
|                   | 2021          | 5.7             | 5.4            | 6.3                 |
| Pahang            | 2017          | 11.7            | 12.6           | 10.3                |
|                   | 2019          | 10.1            | 7.7            | 13.8                |
|                   | 2021          | 8.0             | 7.6            | 8.8                 |
| Pulau Pinang      | 2017          | 8.6             | 9.0            | 8.0                 |
|                   | 2019          | 5.8             | 5.9            | 5.6                 |
|                   | 2021          | 6.9             | 6.8            | 7.2                 |
| Perak             | 2017          | 11.4            | 10.9           | 12.2                |
|                   | 2019          | 10.2            | 9.3            | 11.4                |
|                   | 2021          | 10.0            | 10.3           | 9.6                 |
| Perlis            | 2017          | 9.2             | 8.7            | 9.9                 |
|                   | 2019          | 12.0            | 11.0           | 13.3                |
|                   | 2021          | 10.2            | 8.4            | 12.8                |
| Selangor          | 2017          | 9.8             | 9.6            | 10.0                |
|                   | 2019          | 6.1             | 5.9            | 6.3                 |
|                   | 2021          | 9.8             | 9.2            | 10.5                |
| Terengganu        | 2017          | 15.2            | 15.9           | 14.1                |
|                   | 2019          | 20.9            | 21.5           | 19.8                |
|                   | 2021          | 16.9            | 17.4           | 16.0                |
| Sabah             | 2017          | 10.7            | 10.9           | 10.5                |
|                   | 2019          | 11.0            | 12.0           | 9.5                 |
|                   | 2021          | 12.0            | 12.1           | 12.0                |
| Sarawak           | 2017          | 10.2            | 10.5           | 9.6                 |
|                   | 2019          | 8.9             | 8.0            | 10.5                |
|                   | 2021          | 8.1             | 5.9            | 11.8                |
| W.P. Kuala Lumpur | 2017          | 4.6             | 4.8            | 4.3                 |
|                   | 2019          | 6.3             | 5.9            | 6.8                 |
|                   | 2021          | 5.9             | 5.8            | 6.0                 |

Sumber: Survei Sektor Informal, Jabatan Perangkaan Malaysia  
Source: Informal Sector Survey, Department of Statistics Malaysia

**Nota/ Notes :**

**1. Statistik bagi Wilayah Persekutuan Labuan dan Putrajaya tidak diterbitkan kerana jumlah pekerjaan di sektor informal terlalu kecil untuk dianggarkan**

*Statistics for the Federal Territory of Labuan and Putrajaya was not published because the number of employment in the informal sector were too small to estimate*

**2. Tidak termasuk pegawai kerajaan dan pekerja di sektor pertanian, perhutanan dan perikanan**

*Exclude government employees and employees in agriculture, forestry and fishing sector*

**Indikator 8.3.1 :** Peratusan guna tenaga informal dalam jumlah guna tenaga, mengikut sektor dan jantina

**Indicator 8.3.1 :** Proportion of informal employment in total employment, by sector and sex

**Jadual 8.3b :** Sumbangan guna tenaga dalam sektor informal mengikut strata dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)

**Table 8.3b :** Share of employment in the informal sector by strata and sex, Malaysia, 2017, 2019 and 2021 (Proxy)

(%)

| Strata               | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|----------------------|---------------|-----------------|----------------|---------------------|
| Malaysia             | 2017          | 10.8            | 11.1           | 10.3                |
|                      | 2019          | 9.3             | 8.9            | 9.9                 |
|                      | 2021          | 9.6             | 9.1            | 10.4                |
| Bandar<br>Urban      | 2017          | 10.5            | 10.8           | 10.0                |
|                      | 2019          | 8.1             | 7.7            | 8.8                 |
|                      | 2021          | 8.3             | 8.3            | 8.3                 |
| Luar Bandar<br>Rural | 2017          | 12.7            | 12.9           | 12.4                |
|                      | 2019          | 16.1            | 15.4           | 17.3                |
|                      | 2021          | 17.6            | 13.5           | 24.7                |

Sumber: Survei Sektor Informal, Jabatan Perangkaan Malaysia  
Source: Informal Sector Survey, Department of Statistics Malaysia

**Jadual 8.3c :** Sumbangan guna tenaga dalam sektor informal mengikut kumpulan umur dan jantina, Malaysia, 2017, 2019 dan 2021 (Proksi)

**Table 8.3c :** Share of employment in the informal sector by age group and sex, Malaysia, 2017, 2019 and 2021 (Proxy)

(%)

| Kumpulan Umur<br>Age group | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|----------------------------|---------------|-----------------|----------------|---------------------|
| Jumlah<br>Total            | 2017          | 10.8            | 11.1           | 10.3                |
|                            | 2019          | 9.3             | 8.9            | 9.9                 |
|                            | 2021          | 9.6             | 9.1            | 10.4                |
| 15-24                      | 2017          | 9.8             | 11.9           | 6.8                 |
|                            | 2019          | 7.5             | 7.7            | 7.1                 |
|                            | 2021          | 8.4             | 9.0            | 7.6                 |
| 25-34                      | 2017          | 7.1             | 8.2            | 5.7                 |
|                            | 2019          | 7.1             | 7.3            | 6.9                 |
|                            | 2021          | 8.5             | 8.2            | 8.8                 |
| 35-44                      | 2017          | 11.3            | 11.6           | 10.9                |
|                            | 2019          | 8.9             | 8.4            | 9.6                 |
|                            | 2021          | 8.8             | 8.1            | 9.7                 |
| 45-54                      | 2017          | 14.3            | 12.3           | 17.5                |
|                            | 2019          | 12.6            | 10.8           | 15.2                |
|                            | 2021          | 12.3            | 10.4           | 15.4                |
| 55-64                      | 2017          | 20.9            | 17.7           | 27.5                |
|                            | 2019          | 17.1            | 14.5           | 22.4                |
|                            | 2021          | 14.6            | 12.5           | 20.1                |

Sumber: Survei Sektor Informal, Jabatan Perangkaan Malaysia  
Source: Informal Sector Survey, Department of Statistics Malaysia

**Nota/ Note :**

Tidak termasuk pegawai kerajaan dan pekerja di sektor pertanian, perhutanan dan perikanan

Exclude government employees and employees in agriculture, forestry and fishing sector

- Indikator 8.4.2** : Penggunaan bahan dalam negara, penggunaan bahan dalam negara per kapita dan penggunaan bahan dalam negara per KDNK
- Indicator 8.4.2** : Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP
- Jadual 8.4a** : Penggunaan bahan dalam negara, penggunaan bahan dalam negara per kapita dan penggunaan bahan dalam negara per KDNK, Malaysia, 2019-2021
- Table 8.4a** : Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP, Malaysia, 2019-2021

|                                                                                    | 2019   | 2020   | 2021 <sup>P</sup> |
|------------------------------------------------------------------------------------|--------|--------|-------------------|
| <b>Bahan api fosil</b><br><i>Fossil fuel</i>                                       |        |        |                   |
| <b>Kilo tan minyak setara (ktoe)</b><br><i>Kilotonnes of oil equivalent (ktoe)</i> | 52,188 | 43,278 | 43,112            |
| <b>Toe per kapita</b><br><i>Toe per capita</i>                                     | 1.60   | 1.33   | 1.32              |
| <b>Per KDNK</b><br><i>Per GDP</i>                                                  | 36.6   | 32.2   | 31.0              |

Sumber: Suruhanjaya Tenaga  
Source: Energy Commission

Nota/ Note :

<sup>P</sup> Permulaan  
Preliminary

- Jadual 8.4b** : Intensiti tenaga dan penggunaan tenaga, Malaysia, 2019-2021 (Proksi)
- Table 8.4b** : Energy intensity and energy consumption, Malaysia, 2019-2021 (Proxy)

| Tahun<br>Year     | Intensiti tenaga<br>Energy intensity                                                    |                                | Penggunaan tenaga per kapita<br>Energy consumption per capita |       |         | Intensiti tenaga mengikut sektor<br>Energy intensity by sector |                         |
|-------------------|-----------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------|-------|---------|----------------------------------------------------------------|-------------------------|
|                   | toe/KDNK pada harga malar 2015 (RM juta)<br>toe/GDP at constant price 2015 (RM million) |                                | (toe)                                                         |       |         | (toe)                                                          |                         |
|                   | Tenaga primer<br>Primary energy                                                         | Tenaga akhir<br>End-use energy | Semenanjung Malaysia<br>Peninsular Malaysia                   | Sabah | Sarawak | Industri<br>Industry                                           | Komersial<br>Commercial |
|                   |                                                                                         |                                |                                                               |       |         |                                                                |                         |
| 2019              | 69.3                                                                                    | 46.7                           | 1.87                                                          | 1.64  | 4.22    | 57.0                                                           | 5.7                     |
| 2020              | 70.0                                                                                    | 42.5                           | 1.56                                                          | 1.61  | 4.16    | 54.9                                                           | 5.2                     |
| 2021 <sup>P</sup> | 67.9                                                                                    | 41.3                           | 1.56                                                          | 1.59  | 4.18    | 53.8                                                           | 4.9                     |

Sumber: Suruhanjaya Tenaga  
Source: Energy Commission

Nota/ Note :

<sup>P</sup> Permulaan  
Preliminary



**Indikator 8.5.1 :** Purata pendapatan mengikut jam bagi pekerja, mengikut jantina, umur, pekerjaan dan orang kurang upaya

*Indicator 8.5.1 :* Average hourly earnings of employees, by sex, age, occupation and persons with disabilities

**Jadual 8.5a :** Purata gaji dan upah bulanan pekerja mengikut negeri dan jantina, Malaysia, 2020-2022 (Proksi)

*Table 8.5a :* Mean monthly salaries & wages of employees by state and sex, Malaysia, 2020-2022 (Proxy)

(RM)

| Negeri<br>State | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|-----------------|---------------|-----------------|----------------|---------------------|
| Malaysia        | 2020          | 2,933           | 2,963          | 2,889               |
|                 | 2021          | 3,037           | 3,085          | 2,968               |
|                 | 2022          | 3,212           | 3,262          | 3,140               |
| Johor           | 2020          | 2,840           | 2,922          | 2,691               |
|                 | 2021          | 2,853           | 2,888          | 2,795               |
|                 | 2022          | 3,007           | 3,070          | 2,899               |
| Kedah           | 2020          | 2,300           | 2,241          | 2,401               |
|                 | 2021          | 2,465           | 2,398          | 2,562               |
|                 | 2022          | 2,659           | 2,613          | 2,727               |
| Kelantan        | 2020          | 2,463           | 2,308          | 2,715               |
|                 | 2021          | 2,543           | 2,383          | 2,875               |
|                 | 2022          | 2,653           | 2,458          | 3,047               |
| Melaka          | 2020          | 2,925           | 2,985          | 2,846               |
|                 | 2021          | 2,937           | 2,982          | 2,887               |
|                 | 2022          | 3,113           | 3,114          | 3,110               |
| Negeri Sembilan | 2020          | 3,013           | 3,060          | 2,944               |
|                 | 2021          | 3,045           | 3,055          | 3,032               |
|                 | 2022          | 3,206           | 3,212          | 3,198               |
| Pahang          | 2020          | 2,684           | 2,608          | 2,819               |
|                 | 2021          | 2,708           | 2,671          | 2,761               |
|                 | 2022          | 2,897           | 2,836          | 2,993               |
| Pulau Pinang    | 2020          | 2,883           | 2,992          | 2,741               |
|                 | 2021          | 3,080           | 3,151          | 2,991               |
|                 | 2022          | 3,313           | 3,372          | 3,238               |
| Perak           | 2020          | 2,463           | 2,462          | 2,464               |
|                 | 2021          | 2,608           | 2,600          | 2,617               |
|                 | 2022          | 2,739           | 2,775          | 2,691               |

Sumber: Survei Gaji dan Upah, Jabatan Perangkaan Malaysia  
Source: Salaries and Wages Survey, Department of Statistics Malaysia

**Nota/** Note:

**Data merujuk kepada warganegara**

*Data refer to citizen*



**Indikator 8.5.1 :** Purata pendapatan mengikut jam bagi pekerja, mengikut jantina, umur, pekerjaan dan orang kurang upaya

*Indicator 8.5.1 :* Average hourly earnings of employees, by sex, age, occupation and persons with disabilities

**Jadual 8.5a :** Purata gaji dan upah bulanan pekerja mengikut negeri dan jantina, Malaysia, 2020-2022 (Proksi) (samb.)

*Table 8.5a :* Mean monthly salaries & wages of employees by state and sex, Malaysia, 2020-2022 (Proxy) (cont'd)

| (RM)              |               |                 |                |                     |
|-------------------|---------------|-----------------|----------------|---------------------|
| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
| Perlis            | 2020          | 2,596           | 2,505          | 2,730               |
|                   | 2021          | 2,588           | 2,503          | 2,709               |
|                   | 2022          | 2,777           | 2,676          | 2,925               |
| Selangor          | 2020          | 3,480           | 3,679          | 3,255               |
|                   | 2021          | 3,544           | 3,816          | 3,169               |
|                   | 2022          | 3,737           | 4,053          | 3,325               |
| Terengganu        | 2020          | 2,424           | 2,428          | 2,418               |
|                   | 2021          | 2,490           | 2,495          | 2,483               |
|                   | 2022          | 2,657           | 2,636          | 2,698               |
| Sabah             | 2020          | 2,678           | 2,615          | 2,770               |
|                   | 2021          | 2,826           | 2,788          | 2,887               |
|                   | 2022          | 2,972           | 2,907          | 3,078               |
| Sarawak           | 2020          | 2,509           | 2,509          | 2,507               |
|                   | 2021          | 2,826           | 2,721          | 2,989               |
|                   | 2022          | 2,976           | 2,874          | 3,141               |
| W.P. Kuala Lumpur | 2020          | 3,823           | 4,062          | 3,524               |
|                   | 2021          | 4,013           | 4,292          | 3,687               |
|                   | 2022          | 4,207           | 4,502          | 3,900               |
| W.P. Labuan       | 2020          | 2,942           | 3,154          | 2,603               |
|                   | 2021          | 3,268           | 3,372          | 3,119               |
|                   | 2022          | 3,418           | 3,508          | 3,288               |
| W.P. Putrajaya    | 2020          | 4,497           | 4,633          | 4,393               |
|                   | 2021          | 4,504           | 4,540          | 4,474               |
|                   | 2022          | 4,666           | 4,796          | 4,564               |

Sumber: Survei Gaji dan Upah, Jabatan Perangkaan Malaysia  
Source: Salaries and Wages Survey, Department of Statistics Malaysia

**Nota/ Note:**

**Data merujuk kepada warganegara**

*Data refer to citizen*



**Indikator 8.5.1 :** Purata pendapatan mengikut jam bagi pekerja, mengikut jantina, umur, pekerjaan dan orang kurang upaya

*Indicator 8.5.1 :* Average hourly earnings of employees, by sex, age, occupation and persons with disabilities

**Jadual 8.5b :** Purata gaji dan upah bulanan pekerja mengikut kumpulan umur dan jantina, Malaysia, 2020-2022 (Proksi)

*Table 8.5b :* Mean monthly salaries & wages of employees by age group and sex, Malaysia, 2020-2022 (Proxy)

(RM)

| Kumpulan Umur<br><i>Age group</i> | Tahun<br><i>Year</i> | Jumlah<br><i>Total</i> | Lelaki<br><i>Male</i> | Perempuan<br><i>Female</i> |
|-----------------------------------|----------------------|------------------------|-----------------------|----------------------------|
| <b>Jumlah</b><br><i>Total</i>     | <b>2020</b>          | <b>2,933</b>           | <b>2,963</b>          | <b>2,889</b>               |
|                                   | <b>2021</b>          | <b>3,037</b>           | <b>3,085</b>          | <b>2,968</b>               |
|                                   | <b>2022</b>          | <b>3,212</b>           | <b>3,262</b>          | <b>3,140</b>               |
| 15-19                             | 2020                 | 1,415                  | 1,448                 | 1,335                      |
|                                   | 2021                 | 1,515                  | 1,572                 | 1,353                      |
|                                   | 2022                 | 1,674                  | 1,759                 | 1,441                      |
| 20-24                             | 2020                 | 1,575                  | 1,630                 | 1,496                      |
|                                   | 2021                 | 1,691                  | 1,751                 | 1,600                      |
|                                   | 2022                 | 1,839                  | 1,853                 | 1,817                      |
| 25-29                             | 2020                 | 2,229                  | 2,256                 | 2,194                      |
|                                   | 2021                 | 2,333                  | 2,348                 | 2,315                      |
|                                   | 2022                 | 2,519                  | 2,577                 | 2,450                      |
| 30-34                             | 2020                 | 2,871                  | 2,881                 | 2,858                      |
|                                   | 2021                 | 3,022                  | 3,090                 | 2,932                      |
|                                   | 2022                 | 3,137                  | 3,149                 | 3,120                      |
| 35-39                             | 2020                 | 3,386                  | 3,387                 | 3,386                      |
|                                   | 2021                 | 3,494                  | 3,532                 | 3,441                      |
|                                   | 2022                 | 3,620                  | 3,706                 | 3,510                      |
| 40-44                             | 2020                 | 3,784                  | 3,810                 | 3,747                      |
|                                   | 2021                 | 3,815                  | 3,861                 | 3,753                      |
|                                   | 2022                 | 4,050                  | 4,100                 | 3,983                      |
| 45-49                             | 2020                 | 3,776                  | 3,801                 | 3,738                      |
|                                   | 2021                 | 3,905                  | 3,984                 | 3,794                      |
|                                   | 2022                 | 4,133                  | 4,213                 | 4,017                      |
| 50-54                             | 2020                 | 3,813                  | 3,822                 | 3,799                      |
|                                   | 2021                 | 3,811                  | 3,826                 | 3,788                      |
|                                   | 2022                 | 4,014                  | 4,034                 | 3,978                      |
| 55-59                             | 2020                 | 3,764                  | 3,855                 | 3,584                      |
|                                   | 2021                 | 3,857                  | 3,934                 | 3,677                      |
|                                   | 2022                 | 3,996                  | 4,062                 | 3,849                      |
| 60-64                             | 2020                 | 2,677                  | 2,838                 | 2,304                      |
|                                   | 2021                 | 2,786                  | 2,970                 | 2,315                      |
|                                   | 2022                 | 2,935                  | 3,122                 | 2,489                      |

Sumber: Survei Gaji dan Upah, Jabatan Perangkaan Malaysia  
Source: Salaries and Wages Survey, Department of Statistics Malaysia

**Nota/ Note:**

Data merujuk kepada warganegara

*Data refer to citizen*



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual 8.6a : Kadar pengangguran mengikut negeri dan jantina, Malaysia, 2020-2022**

*Table 8.6a : Unemployment rate by state and sex, Malaysia, 2020-2022*

(%)

| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|-------------------|---------------|-----------------|----------------|---------------------|
| Malaysia          | 2020          | 4.5             | 4.4            | 4.7                 |
|                   | 2021          | 4.6             | 4.5            | 4.8                 |
|                   | 2022          | 3.9             | 3.8            | 4.1                 |
| Johor             | 2020          | 3.5             | 3.3            | 4.0                 |
|                   | 2021          | 3.8             | 3.4            | 4.7                 |
|                   | 2022          | 3.3             | 2.8            | 4.3                 |
| Kedah             | 2020          | 4.2             | 4.1            | 4.3                 |
|                   | 2021          | 3.9             | 3.2            | 5.1                 |
|                   | 2022          | 3.0             | 2.1            | 4.6                 |
| Kelantan          | 2020          | 4.3             | 3.6            | 5.4                 |
|                   | 2021          | 4.2             | 3.5            | 5.3                 |
|                   | 2022          | 3.7             | 3.2            | 4.5                 |
| Melaka            | 2020          | 2.2             | 2.0            | 2.6                 |
|                   | 2021          | 2.0             | 2.5            | 1.3                 |
|                   | 2022          | 1.6             | 2.2            | 0.7                 |
| Negeri Sembilan   | 2020          | 3.8             | 4.3            | 3.1                 |
|                   | 2021          | 4.2             | 4.5            | 3.6                 |
|                   | 2022          | 3.7             | 4.0            | 3.1                 |
| Pahang            | 2020          | 3.1             | 2.8            | 4.0                 |
|                   | 2021          | 3.3             | 2.9            | 4.1                 |
|                   | 2022          | 2.5             | 2.2            | 3.2                 |
| Pulau Pinang      | 2020          | 3.5             | 4.5            | 2.1                 |
|                   | 2021          | 3.6             | 4.6            | 2.2                 |
|                   | 2022          | 2.8             | 3.2            | 2.1                 |
| Perak             | 2020          | 4.8             | 4.3            | 5.7                 |
|                   | 2021          | 5.3             | 4.9            | 5.8                 |
|                   | 2022          | 4.6             | 4.1            | 5.5                 |
| Perlis            | 2020          | 4.3             | 3.5            | 5.5                 |
|                   | 2021          | 4.3             | 3.2            | 5.9                 |
|                   | 2022          | 3.9             | 2.7            | 5.9                 |
| Selangor          | 2020          | 4.3             | 4.3            | 4.4                 |
|                   | 2021          | 4.3             | 4.9            | 3.5                 |
|                   | 2022          | 3.6             | 4.3            | 2.8                 |
| Terengganu        | 2020          | 4.1             | 4.2            | 4.2                 |
|                   | 2021          | 4.0             | 3.5            | 5.0                 |
|                   | 2022          | 3.6             | 3.0            | 4.8                 |
| Sabah             | 2020          | 8.0             | 7.9            | 8.1                 |
|                   | 2021          | 8.2             | 7.3            | 9.6                 |
|                   | 2022          | 7.5             | 6.6            | 8.8                 |
| Sarawak           | 2020          | 4.3             | 4.5            | 4.1                 |
|                   | 2021          | 4.5             | 4.5            | 4.5                 |
|                   | 2022          | 3.7             | 3.6            | 3.9                 |
| W.P. Kuala Lumpur | 2020          | 4.0             | 3.8            | 4.2                 |
|                   | 2021          | 4.2             | 4.3            | 4.1                 |
|                   | 2022          | 3.1             | 3.6            | 2.4                 |
| W.P. Labuan       | 2020          | 7.2             | 8.8            | 4.3                 |
|                   | 2021          | 7.4             | 10.0           | 3.0                 |
|                   | 2022          | 7.2             | 9.3            | 3.8                 |
| W.P. Putrajaya    | 2020          | 1.5             | 1.1            | 1.9                 |
|                   | 2021          | 1.6             | 1.0            | 2.0                 |
|                   | 2022          | 1.0             | 0.2            | 1.7                 |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia  
Source: Labour Force Survey, Department of Statistics Malaysia



**Indikator 8.5.2 :** Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya

*Indicator 8.5.2 :* Unemployment rate, by sex, age and persons with disabilities

**Jadual 8.6b :** Kadar pengangguran mengikut kumpulan umur dan jantina, Malaysia, 2020-2022

*Table 8.6b :* Unemployment rate by age group and sex, Malaysia, 2020-2022

| Kumpulan Umur<br>Age group | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|----------------------------|---------------|-----------------|----------------|---------------------|
| Jumlah<br>Total            | 2020          | 4.5             | 4.4            | 4.7                 |
|                            | 2021          | 4.6             | 4.5            | 4.8                 |
|                            | 2022          | 3.9             | 3.8            | 4.1                 |
| 15-24                      | 2020          | 12.0            | 11.4           | 13.0                |
|                            | 2021          | 11.3            | 11.9           | 10.4                |
|                            | 2022          | 11.7            | 10.7           | 13.4                |
| 25-34                      | 2020          | 4.4             | 4.2            | 4.8                 |
|                            | 2021          | 4.5             | 4.3            | 4.8                 |
|                            | 2022          | 3.0             | 2.6            | 3.6                 |
| 35-44                      | 2020          | 2.0             | 2.2            | 1.8                 |
|                            | 2021          | 1.9             | 2.2            | 1.3                 |
|                            | 2022          | 1.2             | 1.5            | 0.8                 |
| 45-54                      | 2020          | 1.8             | 2.0            | 1.5                 |
|                            | 2021          | 2.1             | 1.8            | 2.6                 |
|                            | 2022          | 1.7             | 1.7            | 1.7                 |
| 55-64                      | 2020          | 2.8             | 3.0            | 2.3                 |
|                            | 2021          | 3.6             | 2.8            | 5.7                 |
|                            | 2022          | 4.3             | 5.3            | 1.3                 |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia  
Source: Labour Force Survey, Department of Statistics Malaysia

**Indikator 8.6.1 :** Peratusan belia (berumur 15-24 tahun) bukan dalam pendidikan, pekerjaan atau latihan

*Indicator 8.6.1 :* Proportion of youth (aged 15-24 years) not in education, employment or training

**Jadual 8.7 :** Peratusan belia bukan dalam pendidikan, pekerjaan atau latihan mengikut negeri dan jantina, Malaysia, 2020-2022

*Table 8.7 :* Proportion of youth not in education, employment or training by state and sex, Malaysia, 2020-2022

(%)

| Negeri<br>State | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|-----------------|---------------|-----------------|----------------|---------------------|
| Malaysia        | 2020          | 13.6            | 12.6           | 14.8                |
|                 | 2021          | 9.3             | 7.1            | 11.6                |
|                 | 2022          | 10.2            | 9.9            | 10.6                |
| Johor           | 2020          | 8.5             | 10.5           | 6.3                 |
|                 | 2021          | 7.8             | 4.8            | 11.3                |
|                 | 2022          | 6.5             | 5.4            | 7.7                 |
| Kedah           | 2020          | 21.4            | 27.8           | 14.3                |
|                 | 2021          | 7.2             | 5.3            | 9.3                 |
|                 | 2022          | 7.9             | 6.0            | 10.1                |
| Kelantan        | 2020          | 14.9            | 11.0           | 19.1                |
|                 | 2021          | 8.4             | 6.1            | 11.0                |
|                 | 2022          | 9.8             | 7.2            | 12.7                |
| Melaka          | 2020          | 13.7            | 12.6           | 14.9                |
|                 | 2021          | 4.0             | 4.6            | 3.4                 |
|                 | 2022          | 5.4             | 4.4            | 6.5                 |
| Negeri Sembilan | 2020          | 15.4            | 17.2           | 13.3                |
|                 | 2021          | 7.6             | 7.5            | 7.8                 |
|                 | 2022          | 7.1             | 6.3            | 8.0                 |
| Pahang          | 2020          | 14.1            | 9.4            | 19.7                |
|                 | 2021          | 9.3             | 7.0            | 11.9                |
|                 | 2022          | 7.6             | 7.5            | 7.6                 |
| Pulau Pinang    | 2020          | 10.1            | 9.9            | 10.3                |
|                 | 2021          | 8.5             | 5.8            | 11.7                |
|                 | 2022          | 6.7             | 7.8            | 5.6                 |
| Perak           | 2020          | 10.3            | 8.6            | 12.0                |
|                 | 2021          | 7.1             | 5.4            | 8.8                 |
|                 | 2022          | 7.0             | 5.4            | 8.6                 |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia

**Nota/ Note :**

**Belia merujuk kepada penduduk berumur 15-24 tahun**

*Youths refer to population age 15-24 years old*

**Indikator 8.6.1 :** Peratusan belia (berumur 15-24 tahun) bukan dalam pendidikan, pekerjaan atau latihan

*Indicator 8.6.1 :* Proportion of youth (aged 15-24 years) not in education, employment or training

**Jadual 8.7 :** Peratusan belia bukan dalam pendidikan, pekerjaan atau latihan mengikut negeri dan jantina, Malaysia, 2020-2022 (samb.)

*Table 8.7 :* Proportion of youth not in education, employment or training by state and sex, Malaysia, 2020-2022 (cont'd)

(%)

| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
|-------------------|---------------|-----------------|----------------|---------------------|
| Perlis            | 2020          | 19.2            | 15.3           | 23.1                |
|                   | 2021          | 9.6             | 4.2            | 17.4                |
|                   | 2022          | 12.2            | 6.7            | 17.6                |
| Selangor          | 2020          | 7.2             | 6.0            | 8.5                 |
|                   | 2021          | 7.3             | 5.6            | 9.3                 |
|                   | 2022          | 11.6            | 16.8           | 5.8                 |
| Terengganu        | 2020          | 14.9            | 13.3           | 16.6                |
|                   | 2021          | 10.8            | 5.6            | 16.3                |
|                   | 2022          | 8.7             | 4.7            | 12.8                |
| Sabah             | 2020          | 21.8            | 18.7           | 25.1                |
|                   | 2021          | 14.4            | 13.0           | 16.0                |
|                   | 2022          | 19.8            | 17.1           | 22.8                |
| Sarawak           | 2020          | 15.8            | 12.3           | 19.6                |
|                   | 2021          | 12.7            | 8.8            | 16.7                |
|                   | 2022          | 10.0            | 8.9            | 11.2                |
| W.P. Kuala Lumpur | 2020          | 10.8            | 9.3            | 12.3                |
|                   | 2021          | 7.5             | 7.1            | 8.1                 |
|                   | 2022          | 6.4             | 6.3            | 6.5                 |
| W.P. Labuan       | 2020          | 18.3            | 17.4           | 19.2                |
|                   | 2021          | 16.9            | 18.8           | 17.4                |
|                   | 2022          | 13.6            | 13.3           | 13.9                |
| W.P. Putrajaya    | 2020          | 6.1             | 8.3            | 4.4                 |
|                   | 2021          | 1.5             | 0.5            | 5.1                 |
|                   | 2022          | 3.7             | 3.3            | 4.1                 |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia  
Source: Labour Force Survey, Department of Statistics Malaysia

**Nota/ Note :**

**Belia merujuk kepada penduduk berumur 15-24 tahun**

*Youths refer to population age 15-24 years old*



**Indikator 8.8.1 : Kecelakaan maut dan bukan maut pekerjaan bagi setiap 100,000 pekerja, mengikut jantina dan status migran**

*Indicator 8.8.1 : Fatal and non-fatal occupational injuries per 100,000 workers, by sex and migrant status*

**Jadual 8.8 : Kadar kecederaan maut dan bukan maut pekerjaan mengikut negeri dan jantina, Malaysia, 2020-2022**

*Table 8.8 : Rates of fatal and non-fatal occupational injuries by state and sex, Malaysia, 2020-2022*

| Negeri<br>State | Tahun<br>Year | Kadar kecederaan pekerjaan<br>Occupational injury rate |                |                     | Kadar kecederaan maut<br>Fatal injury rate |                |                     | Kadar kecederaan bukan maut<br>Non-fatal injury rate |                |                     |
|-----------------|---------------|--------------------------------------------------------|----------------|---------------------|--------------------------------------------|----------------|---------------------|------------------------------------------------------|----------------|---------------------|
|                 |               | Keseluruhan<br>Overall                                 | Lelaki<br>Male | Perempuan<br>Female | Keseluruhan<br>Overall                     | Lelaki<br>Male | Perempuan<br>Female | Keseluruhan<br>Overall                               | Lelaki<br>Male | Perempuan<br>Female |
| Malaysia        | 2020          | 218                                                    | 302            | 88                  | 2.09                                       | 3.36           | 0.09                | 216                                                  | 298            | 88                  |
|                 | 2021          | 143                                                    | 200            | 54                  | 2.00                                       | 3.18           | 0.15                | 141                                                  | 197            | 54                  |
|                 | 2022          | 222                                                    | 306            | 90                  | 2.06                                       | 3.31           | 0.10                | 220                                                  | 303            | 90                  |
| Johor           | 2020          | 355                                                    | 466            | 139                 | 3.66                                       | 5.54           | -                   | 352                                                  | 461            | 139                 |
|                 | 2021          | 311                                                    | 392            | 150                 | 3.23                                       | 4.77           | 0.17                | 308                                                  | 387            | 150                 |
|                 | 2022          | 359                                                    | 466            | 142                 | 2.91                                       | 4.35           | -                   | 356                                                  | 462            | 142                 |
| Kedah           | 2020          | 212                                                    | 267            | 116                 | 0.98                                       | 1.54           | -                   | 211                                                  | 266            | 116                 |
|                 | 2021          | 109                                                    | 146            | 45                  | 0.96                                       | 1.36           | 0.29                | 108                                                  | 145            | 45                  |
|                 | 2022          | 231                                                    | 300            | 111                 | 0.62                                       | 0.98           | -                   | 231                                                  | 300            | 111                 |
| Kelantan        | 2020          | 76                                                     | 104            | 28                  | 0.73                                       | 1.15           | -                   | 75                                                   | 102            | 28                  |
|                 | 2021          | 43                                                     | 57             | 18                  | 1.16                                       | 1.83           | -                   | 41                                                   | 55             | 18                  |
|                 | 2022          | 93                                                     | 125            | 38                  | 1.68                                       | 2.65           | -                   | 91                                                   | 122            | 38                  |
| Melaka          | 2020          | 274                                                    | 388            | 113                 | 2.16                                       | 3.67           | -                   | 272                                                  | 384            | 113                 |
|                 | 2021          | 203                                                    | 291            | 81                  | 1.15                                       | 1.98           | -                   | 202                                                  | 289            | 81                  |
|                 | 2022          | 307                                                    | 440            | 126                 | 1.34                                       | 2.32           | -                   | 306                                                  | 438            | 126                 |
| Negeri Sembilan | 2020          | 308                                                    | 427            | 129                 | 1.48                                       | 2.46           | -                   | 307                                                  | 425            | 129                 |
|                 | 2021          | 189                                                    | 264            | 61                  | 2.99                                       | 4.77           | -                   | 186                                                  | 259            | 61                  |
|                 | 2022          | 313                                                    | 419            | 136                 | 1.90                                       | 2.70           | 0.57                | 311                                                  | 416            | 136                 |
| Pahang          | 2020          | 214                                                    | 289            | 69                  | 2.79                                       | 4.24           | -                   | 211                                                  | 284            | 69                  |
|                 | 2021          | 153                                                    | 205            | 52                  | 2.69                                       | 3.87           | 0.42                | 150                                                  | 201            | 52                  |
|                 | 2022          | 241                                                    | 324            | 83                  | 3.35                                       | 4.90           | 0.41                | 238                                                  | 319            | 83                  |
| Pulau Pinang    | 2020          | 325                                                    | 452            | 144                 | 2.40                                       | 4.08           | -                   | 323                                                  | 448            | 144                 |
|                 | 2021          | 199                                                    | 275            | 88                  | 1.52                                       | 2.57           | -                   | 197                                                  | 273            | 88                  |
|                 | 2022          | 335                                                    | 456            | 155                 | 2.06                                       | 3.45           | -                   | 333                                                  | 452            | 155                 |
| Perak           | 2020          | 332                                                    | 454            | 137                 | 1.82                                       | 2.81           | 0.25                | 330                                                  | 452            | 137                 |
|                 | 2021          | 192                                                    | 271            | 64                  | 2.49                                       | 3.88           | 0.25                | 190                                                  | 268            | 64                  |
|                 | 2022          | 324                                                    | 439            | 135                 | 3.56                                       | 5.59           | 0.25                | 320                                                  | 434            | 135                 |

Sumber: Jabatan Keselamatan dan Kesihatan Pekerjaan Malaysia  
Source: Department of Occupational Safety and Health Malaysia

**Nota/ Notes :**

1. Kecelakaan pekerjaan ialah sebarang kecederaan diri, penyakit atau kematian akibat kemalangan pekerjaan. Oleh itu, kecederaan pekerjaan adalah berbeza daripada penyakit pekerjaan, iaitu penyakit yang dijangkiti akibat pendedahan dalam jangka masa yang panjang kepada faktor risiko yang timbul daripada aktiviti kerja.

Kriteria kemasukan utama untuk kecederaan pekerjaan:

- Kecelakaan maut pekerjaan: kecederaan pekerjaan yang membawa kepada kematian dalam tempoh satu tahun dari hari kemalangan pekerjaan; atau
- Kecelakaan bukan maut pekerjaan: kecederaan pekerjaan yang mengakibatkan ketidakupayaan untuk bekerja sekurang-kurangnya empat hari berturut-turut, termasuk hari kemalangan pekerjaan.

Occupational injuries is any personal injury, disease or death resulting from an occupational accident. An occupational injury is therefore distinct from an occupational disease, which is a disease contracted as a result of exposure over a long period of time to risk factors arising from work activity.

Main inclusion criteria for occupational injuries:

- Fatal occupational injury: an occupational injury leading to death within one year of the day of the occupational accident; or
- Non-fatal occupational injury: an occupational injury resulting incapacity for work of at least four consecutive days, including the day of the occupational accident.

2. Data termasuk pekerja tempatan dan pekerja asing

Data include local workers and foreign workers

3. Kadar kecederaan pekerjaan adalah jumlah kecederaan maut dan kecederaan tidak maut bagi setiap 100,000 pekerja

Occupational injury rates is the total of fatal injuries and non-fatal injuries per 100,000 workers

4. (-) Tiada/ kosong/ tiada kes

Nil/ blank/ no cases

5. 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan

refers to less than half smallest unit shown



**Indikator 8.8.1 : Kecederaan maut dan bukan maut pekerjaan bagi setiap 100,000 pekerja, mengikut jantina dan status migran**

**Indicator 8.8.1 : Fatal and non-fatal occupational injuries per 100,000 workers, by sex and migrant status**

**Jadual 8.8 : Kadar kecederaan maut dan bukan maut pekerjaan mengikut negeri dan jantina, Malaysia, 2020-2022 (samb.)**

**Table 8.8 : Rates of fatal and non-fatal occupational injuries by state and sex, Malaysia, 2020-2022 (cont'd)**

| Negeri<br>State                | Tahun<br>Year | Kadar kecederaan pekerjaan<br>Occupational injury rate |                |                     | Kadar kecederaan maut<br>Fatal injury rate |                |                     | Kadar kecederaan bukan maut<br>Non-fatal injury rate |                |                     |
|--------------------------------|---------------|--------------------------------------------------------|----------------|---------------------|--------------------------------------------|----------------|---------------------|------------------------------------------------------|----------------|---------------------|
|                                |               | Keseluruhan<br>Overall                                 | Lelaki<br>Male | Perempuan<br>Female | Keseluruhan<br>Overall                     | Lelaki<br>Male | Perempuan<br>Female | Keseluruhan<br>Overall                               | Lelaki<br>Male | Perempuan<br>Female |
| Perlis                         | 2020          | 116                                                    | 152            | 58                  | -                                          | -              | -                   | 116                                                  | 152            | 58                  |
|                                | 2021          | 164                                                    | 136            | 210                 | -                                          | -              | -                   | 164                                                  | 136            | 210                 |
|                                | 2022          | 147                                                    | 192            | 71                  | 1.83                                       | 2.90           | -                   | 145                                                  | 189            | 71                  |
| Selangor                       | 2020          | 204                                                    | 309            | 73                  | 1.65                                       | 2.93           | 0.07                | 202                                                  | 306            | 73                  |
|                                | 2021          | 119                                                    | 187            | 34                  | 1.53                                       | 2.70           | 0.06                | 118                                                  | 184            | 34                  |
|                                | 2022          | 182                                                    | 276            | 65                  | 1.58                                       | 2.80           | 0.06                | 181                                                  | 274            | 64                  |
| Terengganu                     | 2020          | 111                                                    | 151            | 39                  | 2.15                                       | 3.32           | -                   | 109                                                  | 147            | 39                  |
|                                | 2021          | 95                                                     | 130            | 28                  | 1.71                                       | 2.61           | -                   | 93                                                   | 127            | 28                  |
|                                | 2022          | 153                                                    | 207            | 51                  | 2.08                                       | 3.19           | -                   | 151                                                  | 204            | 51                  |
| Sabah                          | 2020          | 44                                                     | 63             | 12                  | 1.44                                       | 2.23           | 0.14                | 42                                                   | 61             | 12                  |
|                                | 2021          | 31                                                     | 43             | 11                  | 0.81                                       | 1.04           | 0.43                | 30                                                   | 42             | 10                  |
|                                | 2022          | 52                                                     | 73             | 17                  | 0.80                                       | 1.28           | -                   | 51                                                   | 72             | 17                  |
| Sarawak                        | 2020          | 176                                                    | 243            | 56                  | 2.85                                       | 4.20           | 0.44                | 173                                                  | 239            | 56                  |
|                                | 2021          | 94                                                     | 133            | 26                  | 2.74                                       | 4.31           | -                   | 91                                                   | 129            | 26                  |
|                                | 2022          | 167                                                    | 232            | 55                  | 2.59                                       | 3.97           | 0.21                | 164                                                  | 228            | 54                  |
| W.P. Kuala Lumpur <sup>a</sup> | 2020          | 314                                                    | 423            | 165                 | 3.07                                       | 5.34           | -                   | 311                                                  | 418            | 165                 |
|                                | 2021          | 176                                                    | 258            | 72                  | 4.26                                       | 7.38           | 0.26                | 172                                                  | 250            | 72                  |
|                                | 2022          | 353                                                    | 476            | 194                 | 3.69                                       | 6.36           | 0.26                | 349                                                  | 470            | 194                 |
| W.P. Labuan                    | 2020          | 65                                                     | 97             | 12                  | -                                          | -              | -                   | 65                                                   | 97             | 12                  |
|                                | 2021          | 41                                                     | 63             | 6                   | -                                          | -              | -                   | 41                                                   | 63             | 6                   |
|                                | 2022          | 100                                                    | 149            | 23                  | -                                          | -              | -                   | 100                                                  | 149            | 23                  |

Sumber: Jabatan Keselamatan dan Kesihatan Pekerjaan Malaysia  
Source: Department of Occupational Safety and Health Malaysia

**Nota/ Notes :**

1. Kecederaan pekerjaan ialah sebarang kecederaan diri, penyakit atau kematian akibat kemalangan pekerjaan. Oleh itu, kecederaan pekerjaan adalah berbeza daripada penyakit pekerjaan, iaitu penyakit yang dijangkiti akibat pendedahan dalam jangka masa yang panjang kepada faktor risiko yang timbul daripada aktiviti kerja.

Kriteria kemasukan utama untuk kecederaan pekerjaan:

- Kecederaan maut pekerjaan: kecederaan pekerjaan yang membawa kepada kematian dalam tempoh satu tahun dari hari kemalangan pekerjaan; atau
- Kecederaan bukan maut pekerjaan: kecederaan pekerjaan yang mengakibatkan ketidakupayaan untuk bekerja sekurang-kurangnya empat hari berturut-turut, termasuk hari kemalangan pekerjaan.

Occupational injuries is any personal injury, disease or death resulting from an occupational accident. An occupational injury is therefore distinct from an occupational disease, which is a disease contracted as a result of exposure over a long period of time to risk factors arising from work activity.

Main inclusion criteria for occupational injuries:

- Fatal occupational injury: an occupational injury leading to death within one year of the day of the occupational accident; or
- Non-fatal occupational injury: an occupational injury resulting incapacity for work of at least four consecutive days, including the day of the occupational accident.

2. Data termasuk pekerja tempatan dan pekerja asing

Data include local workers and foreign workers

3. Kadar kecederaan pekerjaan adalah jumlah kecederaan maut dan kecederaan tidak maut bagi setiap 100,000 pekerja

Occupational injury rates is the total of fatal injuries and non-fatal injuries per 100,000 workers

4. <sup>a</sup>Termasuk W.P. Putrajaya

Includes W.P. Putrajaya

5. (-) Tiada/ kosong/ tiada kes

Nil/ blank/ no cases

6. 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan

refers to less than half smallest unit shown



**Indikator 8.8.2** : Tahap kepatuhan nasional terhadap hak pekerja (kebebasan berserikat dan perundingan bersama) berdasarkan sumber tekstual dan undang-undang nasional Organisasi Buruh Antarabangsa (ILO), mengikut jantina dan status migran

*Indicator 8.8.2* : Level of national compliance with labour rights (freedom of association and collective bargaining) based on International Labour Organisation (ILO) textual sources and national legislation, by sex and migrant status

**Jadual 8.9** : Tahap kepatuhan nasional terhadap hak pekerja (kebebasan berserikat dan perundingan bersama) berdasarkan sumber tekstual dan undang-undang nasional Organisasi Buruh Antarabangsa (ILO), Malaysia, 2019-2021

*Table 8.9* : Level of national compliance with labour rights (freedom of association and collective bargaining) based on International Labour Organization (ILO) textual sources and national legislation, Malaysia, 2019-2021

(Markah/ Score)

|                 | 2019       | 2020       | 2021       |
|-----------------|------------|------------|------------|
| <b>Malaysia</b> | <b>7.7</b> | <b>7.0</b> | <b>7.0</b> |

Sumber: Platform Data Indikator SDG Global  
(Kementerian Sumber Manusia)

Source: Global SDG Indicators Data Platform  
(Ministry of Human Resources)

**Nota/ Note :**

Sumber adalah daripada platform data indikator SDG Global berdasarkan data yang disediakan oleh International Labour Organisation (ILO) menggunakan sumber daripada Kementerian Sumber Manusia

The source is from the Global SDG indicators data platform based on derived data by International Labour Organisation (ILO) using the data from Ministry of Human Resources

**Indikator 8.9.1** : KDNK daripada pelancongan langsung sebagai sebahagian daripada jumlah KDNK dan kadar  
*Indicator 8.9.1* : Tourism direct GDP as a proportion of total GDP and in growth rate

**Jadual 8.10** : Keluaran Dalam Negeri Kasar Pelancongan Langsung (KDNKPL) sebagai sebahagian daripada jumlah KDNK dan kadar pertumbuhan, Malaysia, 2020-2022

*Table 8.10* : Tourism Direct Gross Domestic Product (TDGDP) as a proportion of total GDP and in growth rate, Malaysia, 2020-2022

|                                                                                                                             | Unit                                     | 2020     | 2021 <sup>e</sup> | 2022 <sup>p</sup> |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------|-------------------|-------------------|
| <b>KDNK daripada pelancongan (langsung)</b><br><i>Tourism GDP (direct)</i>                                                  | <b>(RM juta)</b><br><i>(RM million)</i>  | 28,350.8 | 11,583.7          | 47,928.2          |
| <b>GVA daripada pelancongan (langsung)</b><br><i>Tourism GVA (direct)</i>                                                   | <b>(RM juta)</b><br><i>(RM million)</i>  | 28,314.8 | 11,544.8          | 47,885.1          |
| <b>KDNK daripada pelancongan (langsung) sebagai % daripada jumlah KDNK</b><br><i>Tourism GDP (direct) as % of total GDP</i> | <b>Peratus (%)</b><br><i>Percent (%)</i> | 2.0      | 0.7               | 2.7               |
| <b>GVA daripada pelancongan (langsung) sebagai % daripada jumlah GVA</b><br><i>Tourism GVA (direct) as % of total GVA</i>   | <b>Peratus (%)</b><br><i>Percent (%)</i> | 2.0      | 0.8               | 2.7               |

Sumber: Akaun Satelit Pelancongan, Jabatan Perangkaan Malaysia  
Source: Tourism Satellite Account, Department of Statistics Malaysia

**Nota/ Notes :**

1. <sup>e</sup> Anggaran  
*Estimates*

2. <sup>p</sup> Permulaan  
*Preliminary*



**Indikator 8.10.1 :** (a) Bilangan cawangan bank komersial bagi 100,000 orang dewasa dan (b) mesin juruwang automatik (ATM) bagi 100,000 orang dewasa

**Indicator 8.10.1 :** (a) Number of commercial bank branches per 100,000 adults and (b) number of automated teller machines (ATMs) per 100,000 adults

**Jadual 8.11 :** Bilangan cawangan bank komersial dan mesin juruwang automatik (ATM), Malaysia, 2020-2022

**Table 8.11 :** Number of commercial bank branches and automated teller machines (ATMs), Malaysia, 2020-2022

|                                                                     | 2020 <sup>r</sup> | 2021 <sup>r</sup> | 2022 <sup>r</sup> |
|---------------------------------------------------------------------|-------------------|-------------------|-------------------|
| <b>Cawangan bank komersial</b><br>Commercial bank branches          | 8.7               | 8.5               | 8.2               |
| <b>Mesin juruwang automatik</b><br>Automated teller machines (ATMs) | 54.0              | 52.8              | 51.7              |

Sumber/ Source : Bank Negara Malaysia

**Nota/ Notes :**

1. <sup>r</sup> Dikemaskini

Revised

2. Jumlah cawangan bank komersial dan mesin juruwang automatik adalah bagi 100,000 orang dewasa

The number of commercial bank branches and automated teller machines are per 100,000 adults

3. Golongan dewasa merujuk kepada penduduk berumur 15 tahun dan ke atas

Adults refer to population age 15 years old and over

**Indikator 8.10.2 :** Peratusan orang dewasa (15 tahun dan ke atas) yang memiliki akaun di bank atau institusi kewangan lain atau dengan penyedia perkhidmatan wang bergerak

**Indicator 8.10.2 :** Proportion of adults (15 years and older) with an account at a bank or other financial institution or with a mobile-money-service provider

**Jadual 8.12 :** Peratusan orang dewasa yang memiliki akaun di bank atau institusi kewangan lain atau dengan penyedia perkhidmatan wang bergerak mengikut jantina, Malaysia, 2020-2022

**Table 8.12 :** Proportion of adults with an account at a financial institution or mobile-money-service provider by sex, Malaysia, 2020-2022

(%)

| Jantina<br>Sex             | 2020        | 2021        | 2022        |
|----------------------------|-------------|-------------|-------------|
| <b>Malaysia</b>            | <b>95.9</b> | <b>95.7</b> | <b>96.9</b> |
| <b>Lelaki</b><br>Male      | 95.3        | 95.3        | 96.1        |
| <b>Perempuan</b><br>Female | 96.5        | 96.1        | 97.6        |

Sumber/ Source : Bank Negara Malaysia

**Nota/ Note :**

Golongan dewasa merujuk kepada penduduk berumur 15 tahun dan ke atas

Adults refer to population age 15 years old and over

**Indikator 8.a.1 :** Komitmen dan perbelanjaan Bantuan Perdagangan

**Indicator 8.a.1 :** Aid for Trade commitments and disbursements

**Jadual 8.13 :** Jumlah aliran rasmi (komitmen) untuk Bantuan Perdagangan, Malaysia, 2019-2021

**Table 8.13 :** Total official flows (commitments) of Aid for Trade, Malaysia, 2019-2021

|                 | 2019       | 2020       | 2021       |
|-----------------|------------|------------|------------|
| <b>Malaysia</b> | <b>8.1</b> | <b>6.3</b> | <b>5.5</b> |

Sumber: Platform Data Indikator SDG Global

Source: Global SDG Indicators Data Platform

(The Organisation for Economic Co-operation and Development (OECD))

**Nota/ Notes:**

1. Data merujuk kepada jumlah aliran rasmi mengikut negara penerima dalam USD juta (malar 2021)

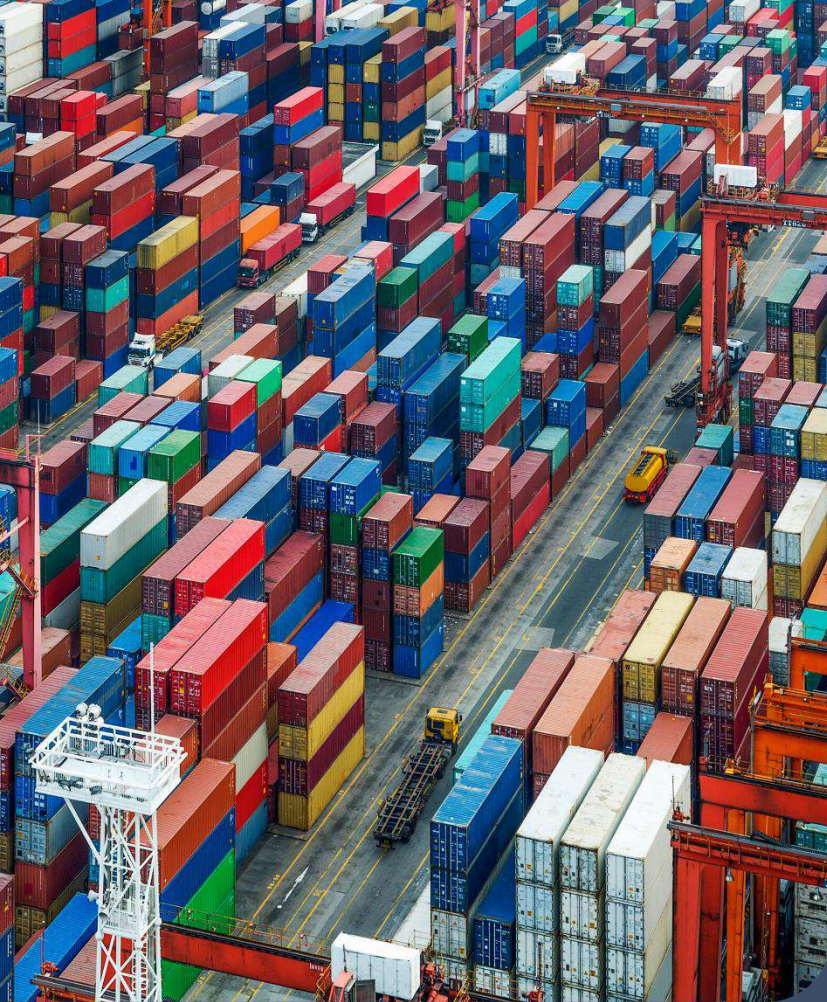
Data refer to total official flows by recipient countries in millions USD (constant 2021)

2. Sumber adalah daripada platform data indikator SDG global berdasarkan data daripada OECD

The source is from the global SDG indicators data platform from OECD

**Indikator dengan penjelasan**  
*Indicators with explanation*

| <b>SASARAN<br/>TARGET</b>                                                                                                                                                                                                                                                                                                                           | <b>INDIKATOR<br/>INDICATOR</b>                                                                                                                                                                                                                                                                                                                                | <b>KETERSEDIAAN AVAILABILITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>8.b Menjelang 2020, membangun dan mengoperasikan satu strategi global untuk penggajian belia dan melaksanakan Pakatan Kerja Global Pertubuhan Buruh Antarabangsa</b></p> <p><i>By 2020, develop and operationalise a global strategy for youth employment and implement the Global Jobs Pact of the International Labour Organisation</i></p> | <p><b>8.b.1 Kewujudan strategi negara yang dibangun dan dikendalikan untuk pekerjaan belia, sebagai strategi yang berlainan atau sebahagian daripada strategi pekerjaan negara</b></p> <p><i>Existence of a developed and operationalised national strategy for youth employment, as a distinct strategy or as part of a national employment strategy</i></p> | <p>Malaysia telah membangunkan dan mengendalikan strategi nasional untuk pekerjaan belia, sebagai strategi yang berbeza atau sebagai sebahagian daripada strategi pekerjaan nasional</p> <p><b>Sumber:</b><br/><b>Platform Data Indikator SDG Global (Kementerian Sumber Manusia, Kementerian Belia dan Sukan &amp; Institut Penyelidikan Pembangunan Belia Malaysia)</b></p> <p><i>Malaysia has developed and operationalised national strategy for youth employment, as a distinct strategy or as part of a national employment strategy</i></p> <p><b>Source:</b><br/><i>Global SDG Indicators Data Platform (Ministry of Human Resources, Ministry of Youth and Sports Malaysia &amp; Institute for Youth Research Malaysia)</i></p> |



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



# Industri, Inovasi dan Infrastruktur *Industry, Innovation and Infrastructure*

Membina infrastruktur yang berdaya tahan, menggalakkan  
perindustrian menyeluruh dan mampan serta menggalakkan inovasi  
*Build resilient infrastructure, promote inclusive and sustainable  
industrialisation and foster innovation*



**Tersedia**  
*Available*



**Tidak Relevan**  
*Not Relevant*

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 9.1.1 : Peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun**

*Indicator 9.1.1 : Proportion of the rural population who live within 2 km of an all-season road*

**Jadual 9.1 : Peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun mengikut Semenanjung Malaysia, 2010 dan 2020**

*Table 9.1 : Proportion of the rural population who live within 2 km of an all-season road by Peninsular Malaysia, 2010 and 2020*

(%)

| Negeri<br>State   | 2010        | 2020        |
|-------------------|-------------|-------------|
| <b>Malaysia</b>   | <b>93.1</b> | <b>92.1</b> |
| Johor             | 95.5        | 95.1        |
| Kedah             | 99.6        | 98.9        |
| Kelantan          | 96.3        | 94.5        |
| Melaka            | 100.0       | 100.0       |
| Negeri Sembilan   | 89.8        | 92.6        |
| Pahang            | 79.5        | 78.7        |
| Pulau Pinang      | 100.0       | 100.0       |
| Perak             | 89.3        | 88.4        |
| Perlis            | 100.0       | 100.0       |
| Selangor          | 95.6        | 93.0        |
| Terengganu        | 93.8        | 91.1        |
| W.P. Kuala Lumpur | n.a.        | n.a.        |
| W.P. Labuan       | n.a.        | n.a.        |
| W.P. Putrajaya    | n.a.        | n.a.        |

Sumber: Banci Penduduk dan Perumahan Malaysia 2010 dan 2020,  
Jabatan Perangkaan Malaysia

Source: Population and Housing Census of Malaysia 2010 and 2020,  
Department of Statistics Malaysia

**Nota/ Notes :**

**1. n.a. tidak berkenaan**  
not applicable

**2. Data merujuk kepada jalan persekutuan dan jalan negeri bagi Semenanjung Malaysia sahaja**  
Data refer to federal roads and state roads for Peninsular Malaysia only

**3. DOSM telah menambahbaik pengemaskinian strata dengan mengambilkira kawasan bandar yang telah diwartakan oleh Jabatan Ukur dan Pemetaan Malaysia (JUPEM) dan Jabatan Perancangan Bandar dan Desa (PLANMalaysia)**

DOSM has improved the updating of the strata by taken into account the urban areas that have been gazetted by the Department of Survey and Mapping Malaysia (JUPEM) and the Department of Town and Country Planning (PLANMalaysia)

**Indikator 9.1.2 : Jumlah penumpang dan barangan, mengikut jenis pengangkutan**

**Indicator 9.1.2 : Passenger and freight volumes, by mode of transport**

**Jadual 9.2a : Bilangan penumpang mengikut jenis perkhidmatan oleh Keretapi Tanah Melayu Berhad, Malaysia, 2020-2022**

**Table 9.2a : Number of passengers by type of services by Malayan Railways Limited, Malaysia, 2020-2022**

| Jenis perkhidmatan<br>Type of services                                    |                                                                   | 2020   | 2021  | 2022   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|--------|-------|--------|
| <b>Perkhidmatan Keretapi</b><br><i>Rail Services</i>                      | <b>Bilangan Penumpang/</b><br><i>Number of passengers (' 000)</i> | 1,041  | 304   | 2,678  |
|                                                                           | <b>KM Penumpang/</b><br><i>Passenger KM (' 000,000)</i>           | 72     | 47    | 219    |
| <b>KTM Komuter</b><br><i>KTM Commuter</i>                                 |                                                                   | 11,796 | 5,899 | 14,516 |
|                                                                           |                                                                   | 364    | 188   | 488    |
| <b>Perkhidmatan Tren Elektrik</b><br><i>Electric Train Services (ETS)</i> |                                                                   | 1,647  | 633   | 3,338  |
|                                                                           |                                                                   | 415    | 177   | 946    |

Sumber: Keretapi Tanah Melayu Berhad  
Source: Malayan Railways Limited

**Nota/ Notes:**

**1. KM merujuk kepada Kilometer**

*KM refers to Kilometer*

**2. Perkhidmatan Tren Elektrik mula beroperasi pada bulan Ogos 2010**

*Electric Train Services (ETS) start operation on August 2010*

**Jadual 9.2b : Bilangan penumpang bagi perkhidmatan pengangkutan kereta api, Malaysia, 2020-2022**

**Table 9.2b : Number of passengers for rail transport services, Malaysia, 2020-2022**

| Jenis perkhidmatan<br>Type of services                       | 2020               | 2021              | 2022               |
|--------------------------------------------------------------|--------------------|-------------------|--------------------|
| <b>Malaysia</b>                                              | <b>122,912,701</b> | <b>71,640,357</b> | <b>163,269,738</b> |
| <b>LRT Laluan Kelana Jaya</b><br><i>LRT Kelana Jaya Line</i> | 45,307,182         | 25,123,614        | 55,015,765         |
| <b>LRT Laluan Ampang</b><br><i>LRT Ampang Line</i>           | 34,715,565         | 21,938,973        | 44,151,332         |
| <b>MRT Laluan Kajang</b><br><i>MRT Kajang Line</i>           | 33,168,335         | 19,573,010        | 45,348,209         |
| <b>MRT Laluan Putrajaya</b><br><i>MRT Putrajaya Line</i>     | -                  | -                 | 4,147,577          |
| <b>KL Monorel</b><br><i>KL Monorail</i>                      | 7,143,534          | 4,226,329         | 10,668,069         |
| <b>KLIA Ekspres</b>                                          | 388,949            | 53,434            | 563,472            |
| <b>KLIA Transit</b>                                          | 2,189,136          | 724,997           | 3,375,314          |

Sumber: Kementerian Pengangkutan Malaysia  
Source: Ministry of Transport Malaysia

**Nota/ Notes :**

**1. (-) Tiada**

*Nil*

**2. LRT merujuk kepada Transit Aliran Ringan**

*LRT refers to Light Rapid Transit*

**3. MRT merujuk kepada Transit Aliran Deras**

*MRT refers to Mass Rapid Transit*

**4. MRT Laluan Kajang mula beroperasi pada Januari 2017. Data 2017 termasuk Penumpang Perjalanan Percuma**

*MRT Kajang Line start operation on January 2017. Data 2017 is inclusive of non fare Ridership (Free ride)*

**5. MRT Laluan Putrajaya mula beroperasi pada Jun 2022. Data 2022 termasuk Penumpang Perjalanan Percuma**

*MRT Putrajaya Line start operation on June 2022. Data 2022 is inclusive of non fare Ridership (Free ride)*

**6. KLIA merujuk kepada Lapangan Terbang Antarabangsa Kuala Lumpur**

*KLIA refers to Kuala Lumpur International Airport*



**Indikator 9.1.2 : Jumlah penumpang dan barangan, mengikut jenis pengangkutan**

**Indicator 9.1.2 : Passenger and freight volumes, by mode of transport**

**Jadual 9.2c : Bilangan penumpang yang dikendalikan mengikut lapangan terbang, Malaysia, 2020-2022**

**Table 9.2c : Number of passengers handled by airport, Malaysia, 2020-2022**

| Lapangan terbang<br>Airport | 2020                          | 2021                          | 2022              |
|-----------------------------|-------------------------------|-------------------------------|-------------------|
| <b>Malaysia</b>             | <b>26,786,087<sup>r</sup></b> | <b>11,018,808<sup>r</sup></b> | <b>54,736,086</b> |
| KLIA Terminal 1             | 5,985,403                     | 2,087,622 <sup>r</sup>        | 13,162,786        |
| KLIA Terminal 2             | 7,134,875 <sup>r</sup>        | 1,858,491 <sup>r</sup>        | 12,066,697        |
| Pulau Pinang                | 1,814,940                     | 541,376                       | 4,275,123         |
| Kota Kinabalu               | 2,301,918                     | 1,110,996                     | 5,022,756         |
| Kuching                     | 1,779,588                     | 840,133 <sup>r</sup>          | 4,340,070         |
| Langkawi                    | 966,781                       | 761,684                       | 2,240,416         |
| Johor Bahru                 | 1,084,870                     | 370,852                       | 2,216,136         |
| Kota Bharu                  | 711,257                       | 501,375                       | 1,384,903         |
| Ipoh                        | 100,585                       | 35,145                        | 334,165           |
| Kuala Terengganu            | 301,648 <sup>r</sup>          | 164,686                       | 611,702           |
| Alor Setar                  | 275,773                       | 164,920                       | 526,802           |
| Melaka                      | 29,424                        | -                             | 18,821            |
| Subang                      | 949,721                       | 577,984                       | 1,547,253         |
| Kuantan                     | 71,468                        | 20,904                        | 103,961           |
| Tioman                      | -                             | 14                            | 5,568             |
| Pangkor                     | -                             | 4                             | 393               |
| Redang                      | 5,159 <sup>r</sup>            | 2,423                         | 8,632             |
| Labuan                      | 270,419                       | 149,409                       | 454,049           |
| Lahad Datu                  | 59,739                        | 49,422                        | 121,237           |
| Sandakan                    | 361,979                       | 244,919                       | 793,536           |
| Tawau                       | 571,702                       | 415,753                       | 1,377,644         |
| Bintulu                     | 369,777                       | 166,224                       | 725,786           |
| Miri                        | 876,085 <sup>r</sup>          | 508,631                       | 1,775,238         |
| Sibu                        | 570,318                       | 243,342                       | 1,233,824         |
| Mulu                        | 17,917                        | 11,600                        | 62,505            |
| Limbang                     | 73,230                        | 85,559                        | 149,960           |
| Mukah                       | 29,011                        | 30,595                        | 61,922            |
| STOL Sabah                  | 636                           | -                             | -                 |
| STOL Sarawak                | 71,864                        | 74,745                        | 114,201           |

Sumber: Kementerian Pengangkutan Malaysia

Source: Ministry of Transport Malaysia

**Nota/ Notes :**

**1. Tidak termasuk penumpang transit**

*Excluding transit passengers*

**2. <sup>r</sup> Dikemaskini**

*Revised*

**3. (-) Tiada**

*Nil*

**4. STOL merujuk kepada pelepasan dan pendaratan singkat**

*STOL refers to short take off & landing*



**Indikator 9.1.2 : Jumlah penumpang dan barangan, mengikut jenis pengangkutan**

*Indicator 9.1.2 : Passenger and freight volumes, by mode of transport*

**Jadual 9.2d : Jumlah barangan dan kontena dikendalikan oleh Keretapi Tanah Melayu Berhad, Malaysia, 2020-2022**

*Table 9.2d : Freight volumes and container handled by Malayan Railways Limited, Malaysia, 2020-2022*

|                  |                                              | 2020    | 2021    | 2022    |
|------------------|----------------------------------------------|---------|---------|---------|
| <b>Barangan</b>  | <b>Tan metrik/ Tonnes (' 000)</b>            | 4,551   | 4,793   | 6,014   |
| <i>Freight</i>   | <b>Tan metrik KMI/ Tonnes KM (' 000,000)</b> | 818     | 1,002   | 1,054   |
| <b>Kontena</b>   | <b>Teu</b>                                   | 198,857 | 224,444 | 324,764 |
| <i>Container</i> |                                              |         |         |         |

**Sumber: Keretapi Tanah Melayu Berhad**

*Source: Malayan Railways Limited*

**Nota/ Note :**

**Tue merujuk kepada unit persamaan dua puluh kaki**  
*refers to twenty-foot equivalent*

**Jadual 9.2e : Kargo dikendalikan (tan metrik) mengikut lapangan terbang, Malaysia, 2020-2022**

*Table 9.2e : Cargo handled (tonnes) by airport, Malaysia, 2020-2022*

| <b>Lapangan terbang</b> | 2020           | 2021             | 2022             |
|-------------------------|----------------|------------------|------------------|
| <i>Airport</i>          |                |                  |                  |
| <b>Malaysia</b>         | <b>789,091</b> | <b>1,008,074</b> | <b>1,060,527</b> |
| KLIA Terminal 1         | 458,517        | 602,456          | 590,818          |
| KLIA Terminal 2         | 46,667         | 33,494           | 72,040           |
| Pulau Pinang            | 123,336        | 140,672          | 155,978          |
| Kota Kinabalu           | 41,434         | 60,704           | 67,524           |
| Kuching                 | 30,312         | 53,954           | 49,545           |
| Langkawi                | 456            | 214              | 624              |
| Johor Bahru             | 10,119         | 3,279            | 7,493            |
| Kota Bharu              | 542            | 441              | 988              |
| Ipoh                    | -              | -                | -                |
| Kuala Terengganu        | 171            | 188              | 531              |
| Alor Setar              | 278            | 197              | 581              |
| Melaka                  | -              | -                | -                |
| Subang                  | 58,260         | 83,355           | 74,903           |
| Kuantan                 | 2              | -                | 5                |
| Tioman                  | -              | -                | -                |
| Pangkor                 | -              | -                | -                |
| Redang                  | -              | 1                | 4                |
| Labuan                  | 3,193          | 1,862            | 2,348            |
| Lahad Datu              | 163            | 159              | 140              |
| Sandakan                | 1,645          | 1,170            | 5,360            |
| Tawau                   | 5,058          | 15,435           | 17,984           |
| Bintulu                 | 1,370          | 491              | 1,752            |
| Miri                    | 5,345          | 7,636            | 7,903            |
| Sibu                    | 1,452          | 1,560            | 3,025            |
| Mulu                    | 111            | 111              | 229              |
| Limbang                 | 307            | 316              | 331              |
| Mukah                   | -              | 12               | 17               |
| STOL Sabah              | -              | -                | -                |
| STOL Sarawak            | 355            | 368              | 404              |

**Sumber: Kementerian Pengangkutan Malaysia**

*Source: Ministry of Transport Malaysia*

**Nota/ Notes :**

**1. Tidak termasuk kargo dalam perjalanan**  
*Excluding cargo in transit*

**2. (-) Tiada**  
*Nil*

**3. STOL merujuk kepada pelepasan dan pendaratan singkat**  
*STOL refers to short take off & landing*



**Indikator 9.1.2 :** Jumlah penumpang dan barangan, mengikut jenis pengangkutan

**Indicator 9.1.2 :** Passenger and freight volumes, by mode of transport

**Jadual 9.2f :** Kendalian kargo (000' FWT) mengikut pelabuhan, Malaysia, 2020-2022

**Table 9.2f :** Cargo throughput (000' FWT) by port, Malaysia, 2020-2022

('000 FWT)

| Pelabuhan<br>Port | Tahun<br>Year | Jumlah<br>Total | Eksport<br>Exports | Import<br>Imports | Pindah Kapal<br>Transshipment |
|-------------------|---------------|-----------------|--------------------|-------------------|-------------------------------|
| Malaysia          | 2020          | 564,329         | 222,703            | 203,503           | 138,123                       |
|                   | 2021          | 591,489         | 218,419            | 207,882           | 165,188                       |
|                   | 2022          | 567,644         | 215,430            | 205,921           | 146,292                       |
| Klang             | 2020          | 221,421         | 105,428            | 115,993           | -                             |
|                   | 2021          | 235,539         | 112,552            | 122,987           | -                             |
|                   | 2022          | 226,143         | 106,700            | 119,443           | -                             |
| Pulau Pinang      | 2020          | 30,035          | 13,360             | 15,876            | 798                           |
|                   | 2021          | 29,179          | 12,803             | 15,932            | 444                           |
|                   | 2022          | 30,153          | 13,503             | 16,161            | 489                           |
| Johor             | 2020          | 30,036          | 13,457             | 16,578            | -                             |
|                   | 2021          | 30,331          | 13,737             | 16,594            | -                             |
|                   | 2022          | 30,769          | 13,494             | 17,275            | -                             |
| Kuantan           | 2020          | 27,266          | 14,431             | 12,835            | -                             |
|                   | 2021          | 22,859          | 11,848             | 11,011            | -                             |
|                   | 2022          | 22,366          | 11,236             | 11,130            | -                             |
| Bintulu           | 2020          | 42,896          | 37,254             | 4,245             | 1,397                         |
|                   | 2021          | 41,837          | 32,989             | 4,083             | 4,765                         |
|                   | 2022          | 43,992          | 37,173             | 4,783             | 2,036                         |
| Tanjung Bruas     | 2020          | 819             | 33                 | 786               | -                             |
|                   | 2021          | 584             | 76                 | 508               | -                             |
|                   | 2022          | 487             | 85                 | 401               | -                             |
| Kuching           | 2020          | 8,197           | 1,991              | 6,206             | -                             |
|                   | 2021          | 8,892           | 1,691              | 7,202             | -                             |
|                   | 2022          | 9,869           | 1,543              | 8,327             | -                             |
| Miri              | 2020          | 3,496           | 2,901              | 595               | -                             |
|                   | 2021          | 3,218           | 2,654              | 564               | -                             |
|                   | 2022          | 3,366           | 2,877              | 488               | -                             |
| Rajang            | 2020          | 1,360           | 302                | 1,058             | -                             |
|                   | 2021          | 1,412           | 247                | 1,165             | -                             |
|                   | 2022          | 1,493           | 246                | 1,247             | -                             |
| Sabah             | 2020          | 29,558          | 18,883             | 10,674            | -                             |
|                   | 2021          | 30,151          | 18,247             | 11,904            | -                             |
|                   | 2022          | 29,234          | 16,510             | 12,724            | -                             |
| Port Dickson      | 2020          | 15,846          | 3,467              | 12,379            | -                             |
|                   | 2021          | 11,624          | 1,794              | 9,830             | -                             |
|                   | 2022          | 11,555          | 2,320              | 9,236             | -                             |
| Kemaman           | 2020          | 6,956           | 3,518              | 3,438             | -                             |
|                   | 2021          | 5,447           | 2,923              | 2,524             | -                             |
|                   | 2022          | 4,529           | 2,510              | 2,019             | -                             |
| Teluk Ewa         | 2020          | 1,819           | 1,425              | 394               | -                             |
|                   | 2021          | 2,357           | 1,920              | 437               | -                             |
|                   | 2022          | 2,110           | 1,703              | 406               | -                             |
| Tanjung Pelepas   | 2020          | 144,625         | 6,251              | 2,446             | 135,928                       |
|                   | 2021          | 168,059         | 4,939              | 3,141             | 159,979                       |
|                   | 2022          | 151,577         | 5,529              | 2,280             | 143,767                       |

Sumber: Kementerian Pengangkutan Malaysia  
Source: Ministry of Transport Malaysia

Nota/ Notes :

1. FWT merujuk kepada berat muatan dalam tan  
refers to freight weight tonnes

2. (-) Tiada  
Nil



**Indikator 9.1.2 :** Jumlah penumpang dan barangan, mengikut jenis pengangkutan

**Indicator 9.1.2 :** Passenger and freight volumes, by mode of transport

**Jadual 9.2g :** Kendalian Kontena (TEUs) mengikut pelabuhan, Malaysia, 2020-2022

**Table 9.2g :** Container throughput (TEUs) by port, Malaysia, 2020-2022

(TEUs)

| Pelabuhan<br>Port | Tahun<br>Year | Jumlah<br>Total | Eksport<br>Exports | Import<br>Imports | Pindah Kapal<br>Transshipment |
|-------------------|---------------|-----------------|--------------------|-------------------|-------------------------------|
| Malaysia          | 2020          | 26,677,778      | 4,595,180          | 4,473,007         | 17,609,592                    |
|                   | 2021          | 28,418,874      | 4,597,849          | 4,555,286         | 19,265,740                    |
|                   | 2022          | 27,318,733      | 4,798,068          | 4,797,030         | 17,723,636                    |
| Klang             | 2020          | 13,244,423      | 2,564,794          | 2,556,427         | 8,123,202                     |
|                   | 2021          | 13,724,460      | 2,651,608          | 2,681,368         | 8,391,484                     |
|                   | 2022          | 13,223,928      | 2,799,443          | 2,883,037         | 7,541,448                     |
| Pulau Pinang      | 2020          | 1,387,987       | 647,634            | 630,829           | 109,524                       |
|                   | 2021          | 1,278,006       | 605,504            | 608,460           | 64,042                        |
|                   | 2022          | 1,299,940       | 602,315            | 620,267           | 77,358                        |
| Johor             | 2020          | 1,005,123       | 473,017            | 519,041           | 13065                         |
|                   | 2021          | 937,205         | 441,842            | 467,037           | 28326                         |
|                   | 2022          | 918,598         | 442,038            | 458,112           | 18,448                        |
| Kuantan           | 2020          | 149,882         | 79,365             | 70,447            | 70                            |
|                   | 2021          | 139,481         | 72,087             | 67,394            | -                             |
|                   | 2022          | 128,087         | 67,368             | 60,481            | 238                           |
| Bintulu           | 2020          | 339,621         | 123,180            | 130,740           | 85,701                        |
|                   | 2021          | 355,700         | 119,391            | 122,965           | 113,344                       |
|                   | 2022          | 364,169         | 126,322            | 126,695           | 111,152                       |
| Tanjung Bruas     | 2020          | 14,142          | 6,970              | 7,172             | -                             |
|                   | 2021          | 19,845          | 9,547              | 10,298            | -                             |
|                   | 2022          | 17,779          | 8,853              | 8,926             | -                             |
| Kuching           | 2020          | 237,996         | 117,452            | 118,795           | 1,749                         |
|                   | 2021          | 264,552         | 129,629            | 134,541           | 382                           |
|                   | 2022          | 291,862         | 144,602            | 147,137           | 123                           |
| Miri              | 2020          | 23,310          | 11,326             | 11,984            | -                             |
|                   | 2021          | 22,149          | 11,243             | 10,906            | -                             |
|                   | 2022          | 24,179          | 9,051              | 15,128            | -                             |
| Rajang            | 2020          | 71,771          | 31,667             | 40,104            | -                             |
|                   | 2021          | 79,890          | 35,885             | 44,005            | -                             |
|                   | 2022          | 87,900          | 41,820             | 46,080            | -                             |
| Sabah             | 2020          | 357,416         | 178,112            | 179,096           | 208                           |
|                   | 2021          | 397,341         | 196,439            | 199,425           | 1,477                         |
|                   | 2022          | 449,485         | 224,520            | 224,905           | 60                            |
| Tanjung Pelepas   | 2020          | 9,846,107       | 361,663            | 208,372           | 9,276,073                     |
|                   | 2021          | 11,200,245      | 324,674            | 208,887           | 10,666,685                    |
|                   | 2022          | 10,512,806      | 331,736            | 206,261           | 9,974,809                     |

Sumber: Kementerian Pengangkutan Malaysia

Source: Ministry of Transport Malaysia

**Nota/ Notes :**

**1. Tue merujuk kepada unit persamaan dua puluh kaki**  
refers to twenty-foot equivalent

**2. Tiada pengendalian Kontena yang dikendalikan di Pelabuhan Port Dickson, Kemaman & Teluk Ewa**  
No handling of Containers handled at Port Dickson, Kemaman & Teluk Ewa

**3. (-) Tiada**  
Nil



**Indikator 9.2.1 :** Nilai ditambah pembuatan sebagai sebahagian daripada KDNK dan per kapita

*Indicator 9.2.1 :* Manufacturing value added as a proportion of GDP and per capita

**Jadual 9.3 :** Nilai ditambah pembuatan sebagai sebahagian daripada KDNK dan per kapita, Malaysia, 2020-2022 (Proksi)

*Table 9.3 :* Manufacturing value added as a proportion of GDP and per capita, Malaysia, 2020-2022 (Proxy)

|                                                     | Unit                                | 2020 <sup>f</sup> | 2021 <sup>e</sup> | 2022 <sup>p</sup> |
|-----------------------------------------------------|-------------------------------------|-------------------|-------------------|-------------------|
| <b>MVA (Malar)</b><br><i>MVA (Constant)</i>         | <b>RM juta</b><br><i>RM million</i> | 307,606           | 336,839           | 364,131           |
| <b>KDNK (Malar)</b><br><i>GDP (Constant)</i>        | <b>RM juta</b><br><i>RM million</i> | 1,346,249         | 1,390,644         | 1,510,939         |
| <b>Penduduk ('000)</b><br><i>Population ('000)</i>  | <b>juta</b><br><i>million</i>       | 32,447            | 32,576            | 32,698            |
| <b>Sumbangan kepada KDNK</b><br><i>Share to GDP</i> | <b>Peratus</b><br><i>Per cent</i>   | 22.8              | 24.2              | 24.1              |
| <b>MVA Per Kapita</b><br><i>MVA Per Capita</i>      | <b>RM</b>                           | 9,480             | 10,340            | 11,136            |

Sumber: Jabatan Perangkaan Malaysia  
Source: Department of Statistics Malaysia

**Nota/ Notes :**

1. <sup>f</sup> Akhir  
*Final*

2. <sup>e</sup> Anggaran  
*Estimates*

3. <sup>p</sup> Permulaan  
*Preliminary*

4. MVA merujuk kepada nilai tambah pembuatan  
*MVA refers to manufacturing value added*



**Indikator 9.2.2 :** Guna tenaga sektor pembuatan sebagai sebahagian daripada jumlah keseluruhan guna tenaga

**Indicator 9.2.2 :** Manufacturing employment as a proportion of total employment

**Jadual 9.4 :** Sumbangan guna tenaga dalam sektor pembuatan mengikut negeri dan strata, Malaysia, 2020-2022

**Table 9.4 :** Manufacturing employment as a proportion of total employment by state and strata, Malaysia, 2020-2022

| (%)               |               |                 |                 |                      |
|-------------------|---------------|-----------------|-----------------|----------------------|
| Negeri<br>State   | Tahun<br>Year | Jumlah<br>Total | Bandar<br>Urban | Luar Bandar<br>Rural |
| Malaysia          | 2020          | 16.7            | 17.8            | 12.3                 |
|                   | 2021          | 16.6            | 17.0            | 14.8                 |
|                   | 2022          | 16.8            | 17.7            | 12.9                 |
| Johor             | 2020          | 24.5            | 25.0            | 22.3                 |
|                   | 2021          | 24.1            | 23.2            | 27.9                 |
|                   | 2022          | 25.1            | 25.8            | 21.9                 |
| Kedah             | 2020          | 19.1            | 20.3            | 15.4                 |
|                   | 2021          | 18.5            | 19.1            | 16.6                 |
|                   | 2022          | 20.0            | 20.5            | 18.5                 |
| Kelantan          | 2020          | 10.5            | 11.2            | 9.6                  |
|                   | 2021          | 9.4             | 11.2            | 6.9                  |
|                   | 2022          | 10.4            | 11.8            | 8.2                  |
| Melaka            | 2020          | 22.6            | 22.8            | 16.7                 |
|                   | 2021          | 21.9            | 21.9            | 22.7                 |
|                   | 2022          | 23.2            | 23.2            | 25.9                 |
| Negeri Sembilan   | 2020          | 17.2            | 18.1            | 13.7                 |
|                   | 2021          | 16.2            | 16.3            | 15.6                 |
|                   | 2022          | 17.0            | 17.2            | 15.8                 |
| Pahang            | 2020          | 10.0            | 11.1            | 8.2                  |
|                   | 2021          | 9.3             | 9.9             | 8.2                  |
|                   | 2022          | 11.0            | 11.2            | 10.5                 |
| Pulau Pinang      | 2020          | 35.9            | 36.3            | 25.7                 |
|                   | 2021          | 34.9            | 34.9            | 33.4                 |
|                   | 2022          | 34.8            | 34.5            | 43.3                 |
| Perak             | 2020          | 16.7            | 17.0            | 15.5                 |
|                   | 2021          | 18.5            | 18.0            | 20.7                 |
|                   | 2022          | 17.5            | 18.5            | 12.9                 |
| Perlis            | 2020          | 8.9             | 8.6             | 9.6                  |
|                   | 2021          | 7.3             | 7.1             | 7.9                  |
|                   | 2022          | 9.5             | 10.5            | 6.8                  |
| Selangor          | 2020          | 17.3            | 17.3            | 15.9                 |
|                   | 2021          | 16.3            | 16.2            | 19.8                 |
|                   | 2022          | 15.9            | 15.9            | 17.3                 |
| Terengganu        | 2020          | 11.5            | 12.4            | 9.6                  |
|                   | 2021          | 11.7            | 12.0            | 10.9                 |
|                   | 2022          | 11.7            | 12.4            | 9.9                  |
| Sabah             | 2020          | 10.9            | 11.7            | 9.5                  |
|                   | 2021          | 12.5            | 12.4            | 11.0                 |
|                   | 2022          | 13.0            | 14.0            | 11.3                 |
| Sarawak           | 2020          | 11.5            | 12.8            | 9.7                  |
|                   | 2021          | 13.1            | 14.3            | 11.0                 |
|                   | 2022          | 11.2            | 13.1            | 7.4                  |
| W.P. Kuala Lumpur | 2020          | 9.7             | 9.7             | -                    |
|                   | 2021          | 7.8             | 7.8             | -                    |
|                   | 2022          | 8.9             | 8.9             | -                    |
| W.P. Labuan       | 2020          | 6.8             | 7.2             | 3.6                  |
|                   | 2021          | 9.0             | 9.0             | 8.3                  |
|                   | 2022          | 11.1            | 11.6            | 6.4                  |
| W.P. Putrajaya    | 2020          | 1.1             | 1.1             | -                    |
|                   | 2021          | 1.5             | 1.5             | -                    |
|                   | 2022          | 1.7             | 1.7             | -                    |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia  
Source: Labour Force Survey, Department of Statistics Malaysia

**Nota/ Note :**

(-) Tiada

Nil



**Indikator 9.3.1 :** Peratusan industri berskala kecil dalam nilai ditambah industri keseluruhan

*Indicator 9.3.1 :* Proportion of small-scale industries in total industry value added

**Jadual 9.5 :** Peratusan Perusahaan Mikro, Kecil dan Sederhana (PMKS) dalam nilai ditambah industri keseluruhan, Malaysia, 2020-2022

*Table 9.5 :* Proportion of Micro, Small and Medium Enterprises (MSMEs) in total industry value added, Malaysia, 2020-2022

|                                                                                                                        | Unit                                    | 2020 <sup>f</sup> | 2021 <sup>e</sup> | 2022 <sup>p</sup> |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|-------------------|-------------------|
| <b>Jumlah nilai ditambah pembuatan PMKS (Malar)</b><br><i>Total manufacturing value added of MSMEs (Constant)</i>      | <b>(RM juta)</b><br><i>(RM million)</i> | 106,252           | 115,161           | 122,024           |
| <b>Jumlah nilai ditambah pembuatan keseluruhan (Malar)</b><br><i>Total manufacturing value added (Constant)</i>        | <b>(RM juta)</b><br><i>(RM million)</i> | 307,606           | 336,839           | 364,131           |
| <b>Sumbangan nilai ditambah pembuatan PMKS terhadap KDNK</b><br><i>Share manufacturing value added of MSMEs to GDP</i> | <b>Peratus</b><br><i>Per cent</i>       | 34.5              | 34.2              | 33.5              |
| <b>Pertumbuhan nilai ditambah pembuatan PMKS (%)</b><br><i>Growth manufacturing value added of MSMEs (%)</i>           | <b>Peratus</b><br><i>Per cent</i>       | -3.0              | 8.4               | 6.0               |

Sumber: Jabatan Perangkaan Malaysia  
Source: Department of Statistics Malaysia

**Nota/ Notes :**

**1. PMKS merujuk kepada Perusahaan Mikro, Kecil dan Sederhana**  
*MSMEs refers to Micro, Small and Medium Enterprises*

**2. <sup>f</sup> Akhir**  
*Final*

**3. <sup>e</sup> Anggaran**  
*Estimates*

**4. <sup>p</sup> Permulaan**  
*Preliminary*

**Indikator 9.3.2 :** Peratusan industri berskala kecil dengan pinjaman atau kredit

*Indicator 9.3.2 :* Proportion of small-scale industries with a loan or line of credit

**Jadual 9.6 :** Peratusan Perusahaan Kecil dan Sederhana (PKS) dengan pinjaman atau kredit, Malaysia, 2015

*Table 9.6 :* Proportion of Small and Medium Enterprise (SME) with a loan or line of credit, Malaysia, 2015

| Jenis<br>Type                     | Bilangan PKS<br>Number of SMEs |                                          | Sumbangan<br>Share (%) |
|-----------------------------------|--------------------------------|------------------------------------------|------------------------|
|                                   | Jumlah<br>Total                | Pinjaman/Kredit<br>With loan/Credit line |                        |
| <b>Jumlah</b><br><i>Total</i>     | <b>907,065</b>                 | <b>488,290</b>                           | <b>53.8</b>            |
| <b>Mikro</b><br><i>Micro</i>      | 693,670                        | 353,645                                  | 51.0                   |
| <b>Kecil</b><br><i>Small</i>      | 192,783                        | 118,296                                  | 61.4                   |
| <b>Sederhana</b><br><i>Medium</i> | 20,612                         | 16,349                                   | 79.3                   |

Sumber: Jabatan Perangkaan Malaysia  
Source: Department of Statistics Malaysia

**Nota/ Note :**

**PKS merujuk kepada Perusahaan Kecil dan Sederhana**  
*SME refers to Small and Medium Enterprise*



**Indikator 9.4.1 :** Pelepasan CO2 per unit nilai ditambah

*Indicator 9.4.1 :* CO2 emission per unit of value added

**Jadual 9.7 :** Pelepasan gas rumah kaca, Malaysia, 2017-2019 (Proksi)

*Table 9.7 :* Greenhouse gas emissions, Malaysia, 2017-2019 (Proxy)

|                                    | Unit                     | 2017  | 2018  | 2019  |
|------------------------------------|--------------------------|-------|-------|-------|
| <b>Pelepasan eq CO2</b>            | <b>Tan metrik (juta)</b> |       |       |       |
| CO2 eq emissions                   | Metric tons (million)    | 316.6 | 320.9 | 330.4 |
| <b>Pelepasan eq CO2 per kapita</b> | <b>Metrik tan/kapita</b> |       |       |       |
| CO2 eq emissions per capita        | Metric tons/capita       | 9.9   | 9.9   | 10.2  |
| <b>Pelepasan eq CO2 per KDNK</b>   | <b>kg/ RM ('000)</b>     |       |       |       |
| CO2 eq emissions per GDP           | kg/ RM ('000)            | 0.2   | 0.2   | 0.2   |

Sumber: Kementerian Sumber Asli, Alam Sekitar dan Perubahan Iklim  
Source: Ministry of Natural Resources, Environment and Climate Change

**Nota/ Notes :**

1. Laporan Kemaskini Dwitahunan Malaysia kepada UNFCC

Malaysia's Third Biennial Update Report to the UNFCC

2. Pengemaskini data dari tahun 2005 hingga 2016

Data update from 2005 to 2016

**Indikator 9.5.1 :** Perbelanjaan penyelidikan dan pembangunan sebagai sebahagian daripada KDNK

*Indicator 9.5.1 :* Research and development expenditure as a proportion of GDP

**Jadual 9.8 :** Perbelanjaan penyelidikan dan pembangunan sebagai sebahagian daripada KDNK, Malaysia, 2016, 2018 dan 2020

*Table 9.8 :* Research and development expenditure as a proportion of GDP, Malaysia, 2016, 2018 and 2020

|                 | 2016       | 2018       | 2020       |
|-----------------|------------|------------|------------|
| <b>Malaysia</b> | <b>1.4</b> | <b>1.0</b> | <b>1.0</b> |

Sumber: Kementerian Sains, Teknologi dan Inovasi  
Source: Ministry of Science, Technology and Innovation

**Nota/ Notes :**

1. Kajian Penyelidikan dan Pembangunan (R&D) Kebangsaan tidak dilaksanakan pada 2017 dan 2019

The National Survey of Research and Development was not conducted in 2017 and 2019

2. Data Perbelanjaan Dalam Negara Kasar untuk R&D (GERD)/ KDNK sehingga tahun kewangan 2020 sahaja

Gross domestic expenditure on R&D (GERD)/ GDP data available up to financial year 2020

**Indikator 9.5.2 :** Penyelidik (bersamaan sepenuh masa) bagi setiap sejuta penduduk

*Indicator 9.5.2 :* Researchers (in full-time equivalent) per million inhabitants

**Jadual 9.9 :** Bilangan penyelidik bagi setiap sejuta penduduk, Malaysia, 2016, 2018 dan 2020

*Table 9.9 :* Number of researchers per million inhabitants, Malaysia, 2016, 2018 and 2020

|                 | 2016         | 2018         | 2020       |
|-----------------|--------------|--------------|------------|
| <b>Malaysia</b> | <b>2,325</b> | <b>2,127</b> | <b>704</b> |

Sumber: Kementerian Sains, Teknologi dan Inovasi  
Source: Ministry of Science, Technology and Innovation

**Nota/ Notes :**

1. Kajian Penyelidikan dan Pembangunan (R&D) Kebangsaan tidak dilaksanakan pada 2017 dan 2019

The National Survey of Research and Development was not conducted in 2017 and 2019

2. Data penyelidik (bersamaan sepenuh masa) bagi setiap sejuta penduduk sehingga tahun kewangan 2020 sahaja

Researchers (in full-time equivalent) per million inhabitants data available up to financial year 2020



**Indikator 9.a.1 :** Jumlah sokongan antarabangsa rasmi (bantuan pembangunan rasmi berserta aliran rasmi lain) bagi infrastruktur

*Indicator 9.a.1 :* Total official international support (official development assistance plus other official flows) to infrastructure

**Jadual 9.10 :** Jumlah aliran rasmi untuk infrastruktur Malaysia, 2019-2021

*Table 9.10 :* Total official flows for infrastructure, Malaysia, 2019-2021

|                 | 2019 | 2020 | 2021  |
|-----------------|------|------|-------|
| <b>Malaysia</b> | 1.2  | 7.1  | 113.1 |

Sumber: Platform Data Indikator SDG Global

Source: Global SDG Indicators Data Platform

(The Organisation for Economic Co-operation and Development (OECD))

Nota/ Notes:

1. Data merujuk kepada jumlah aliran rasmi mengikut negara penerima dalam USD juta (malar 2021)

Data refer to total official flows by recipient countries in millions USD (constant 2021)

2. Sumber adalah daripada platform data indikator SDG global berdasarkan data daripada OECD

The source is from the global SDG indicators data platform from OECD

**Indikator 9.b.1 :** Peratusan nilai ditambah industri berteknologi sederhana dan tinggi dalam nilai ditambah keseluruhan

*Indicator 9.b.1 :* Proportion of medium and high-tech industry value added in total value added

**Jadual 9.11 :** Peratusan nilai ditambah industri berteknologi sederhana dan tinggi dalam nilai ditambah keseluruhan pembuatan (pada harga malar), Malaysia, 2020-2022

*Table 9.11 :* Proportion of medium and high-tech industry value added in total manufacturing value added (at constant prices), Malaysia, 2020-2022

| Tahun<br>Year     | Nilai ditambah (RM juta)<br>Value added (RM million) |                                                                                         | Nisbah nilai ditambah<br>Value added ratio<br>MHT/MS (%) |
|-------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|
|                   | Sektor Pembuatan<br>Manufacturing sector<br>(MS)     | Industri Berteknologi<br>Sederhana dan Tinggi<br>Medium and high-tech Industry<br>(MHT) |                                                          |
| 2020 <sup>f</sup> | 307,606                                              | 144,734                                                                                 | 47.1                                                     |
| 2021 <sup>e</sup> | 336,839                                              | 161,462                                                                                 | 47.9                                                     |
| 2022 <sup>p</sup> | 364,131                                              | 181,189                                                                                 | 49.8                                                     |

Sumber: Jabatan Perangkaan Malaysia

Source: Department of Statistics Malaysia

Nota/ Notes :

1. <sup>f</sup> Akhir

Final

2. <sup>e</sup> Anggaran

Estimates

3. <sup>p</sup> Permulaan

Preliminary

**Indikator 9.c.1 :** Peratusan penduduk yang diliputi oleh rangkaian mudah alih, mengikut teknologi

*Indicator 9.c.1 :* Proportion of population covered by a mobile network, by technology

**Jadual 9.12 :** Peratusan penduduk yang diliputi oleh rangkaian mudah alih mengikut teknologi, Malaysia, 2020-2022

*Table 9.12 :* Proportion of population covered by a mobile network by technology, Malaysia, 2020-2022

|                 | 2020        | 2021        | 2022        |
|-----------------|-------------|-------------|-------------|
| <b>Malaysia</b> | <b>96.7</b> | <b>98.5</b> | <b>98.6</b> |
| 3G              | 95.3        | n.a.        | n.a.        |
| 4G              | 93.5        | 95.4        | 96.9        |
| 5G              | n.a.        | 4.0         | 47.1        |

Sumber: Suruhanjaya Komunikasi dan Multimedia Malaysia

Source: Malaysian Communication and Multimedia Commission

Nota/ Note :

n.a. tidak berkenaan

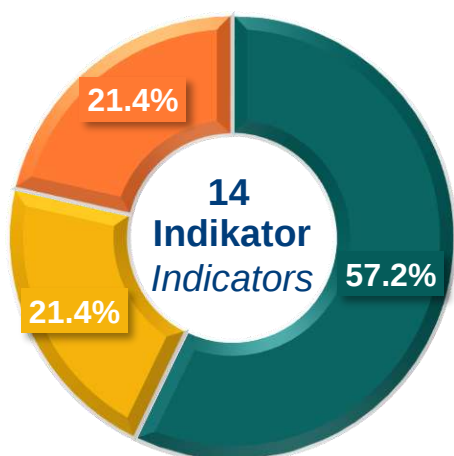
not applicable

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



# Mengurangkan Ketidaksamaan *Reduces Inequalities*

Mengurangkan ketidaksamaan dalam dan antara negara  
*Reduce inequality within and among countries*



**Tersedia**  
*Available*



**Sebahagiannya Tersedia, Perlu Dibangunkan**  
*Partially Available, Need Further Development*



**Tidak Tersedia**  
*Not Available*



Indikator SDG Malaysia, 2022  
SDG Indicators Malaysia, 2022

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 10.1.1** : Kadar pertumbuhan perbelanjaan atau pendapatan isi rumah per kapita dalam kalangan penduduk terendah 40 peratus dan jumlah penduduk

*Indicator 10.1.1* : Growth rates of household expenditure or income per capita among the bottom 40 per cent of the population and the total population

**Jadual 10.1** : Kadar pertumbuhan pendapatan isi rumah dalam kalangan isi rumah terendah 40 peratus mengikut negeri, Malaysia, 2016, 2019 dan 2022

*Table 10.1* : Growth rates of household income among the bottom 40 per cent of household by state, Malaysia, 2016, 2019 and 2022

| Negeri<br>State | Tahun<br>Year | Purata Pendapatan<br>Mean Income<br>(RM) |                 | Kadar Pertumbuhan Tahunan Dikompaun<br>Compounded Annual Growth Rate<br>(%) |                 |
|-----------------|---------------|------------------------------------------|-----------------|-----------------------------------------------------------------------------|-----------------|
|                 |               | Terendah 40<br>Bottom 40                 | Jumlah<br>Total | Terendah 40<br>Bottom 40                                                    | Jumlah<br>Total |
| Malaysia        | 2016          | 2,848                                    | 6,958           | 5.8                                                                         | 6.2             |
|                 | 2019          | 3,152                                    | 7,901           | 3.4                                                                         | 4.2             |
|                 | 2022          | 3,401                                    | 8,479           | 2.5                                                                         | 2.4             |
| Johor           | 2016          | 3,222                                    | 6,928           | 0.4                                                                         | 5.5             |
|                 | 2019          | 3,591                                    | 8,013           | 3.6                                                                         | 4.8             |
|                 | 2022          | 3,753                                    | 8,517           | 1.5                                                                         | 2.0             |
| Kedah           | 2016          | 2,089                                    | 4,971           | 0.7                                                                         | 5.2             |
|                 | 2019          | 2,603                                    | 5,522           | 7.3                                                                         | 3.5             |
|                 | 2022          | 2,578                                    | 5,550           | -0.3                                                                        | 0.2             |
| Kelantan        | 2016          | 1,815                                    | 4,214           | 7.0                                                                         | 6.3             |
|                 | 2019          | 2,194                                    | 4,874           | 6.3                                                                         | 4.9             |
|                 | 2022          | 2,148                                    | 4,885           | -0.7                                                                        | 0.1             |
| Melaka          | 2016          | 3,328                                    | 6,849           | 2.5                                                                         | 6.2             |
|                 | 2019          | 3,327                                    | 7,741           | 0.0                                                                         | 4.1             |
|                 | 2022          | 3,608                                    | 8,057           | 2.7                                                                         | 1.3             |
| Negeri Sembilan | 2016          | 2,569                                    | 5,887           | 1.8                                                                         | 5.5             |
|                 | 2019          | 2,844                                    | 6,707           | 3.4                                                                         | 4.3             |
|                 | 2022          | 3,022                                    | 6,788           | 2.0                                                                         | 0.4             |
| Pahang          | 2016          | 2,589                                    | 5,012           | 12.5                                                                        | 7.2             |
|                 | 2019          | 2,910                                    | 5,667           | 3.9                                                                         | 4.1             |
|                 | 2022          | 3,082                                    | 5,777           | 1.9                                                                         | 0.6             |
| Pulau Pinang    | 2016          | 3,157                                    | 6,771           | 5.9                                                                         | 6.1             |
|                 | 2019          | 3,588                                    | 7,774           | 4.3                                                                         | 4.6             |
|                 | 2022          | 3,663                                    | 8,267           | 0.7                                                                         | 2.0             |
| Perak           | 2016          | 2,313                                    | 5,065           | 9.7                                                                         | 8.6             |
|                 | 2019          | 2,528                                    | 5,645           | 3.0                                                                         | 3.6             |
|                 | 2022          | 2,603                                    | 5,779           | 1.0                                                                         | 0.8             |

Sumber: Survei Pendapatan dan Perbelanjaan Isi Rumah, Jabatan Perangkaan Malaysia  
Source: Household Income and Expenditure Survey, Department of Statistics Malaysia



**Indikator 10.1.1 : Kadar pertumbuhan perbelanjaan atau pendapatan isi rumah per kapita dalam kalangan penduduk terendah 40 peratus dan jumlah penduduk**

*Indicator 10.1.1 : Growth rates of household expenditure or income per capita among the bottom 40 per cent of the population and the total population*

**Jadual 10.1 : Kadar pertumbuhan pendapatan isi rumah dalam kalangan isi rumah terendah 40 peratus mengikut negeri, Malaysia, 2016, 2019 dan 2022 (samb.)**

*Table 10.1 : Growth rates of household income among the bottom 40 per cent of household by state, Malaysia, 2016, 2019 and 2022 (cont'd)*

| Negeri<br>State   | Tahun<br>Year | Purata Pendapatan<br>Mean Income<br>(RM) |                 | Kadar Pertumbuhan Tahunan Dikompau<br>Compounded Annual Growth Rate<br>(%) |                 |
|-------------------|---------------|------------------------------------------|-----------------|----------------------------------------------------------------------------|-----------------|
|                   |               | Terendah 40<br>Bottom 40                 | Jumlah<br>Total | Terendah 40<br>Bottom 40                                                   | Jumlah<br>Total |
| Perlis            | 2016          | 2,512                                    | 4,998           | 7.8                                                                        | 5.9             |
|                   | 2019          | 2,617                                    | 5,476           | 1.4                                                                        | 3.0             |
|                   | 2022          | 2,746                                    | 5,664           | 1.6                                                                        | 1.1             |
| Selangor          | 2016          | 4,307                                    | 9,463           | 8.6                                                                        | 6.8             |
|                   | 2019          | 4,602                                    | 10,827          | 2.2                                                                        | 4.5             |
|                   | 2022          | 5,673                                    | 12,233          | 7.0                                                                        | 4.1             |
| Terengganu        | 2016          | 2,904                                    | 5,776           | 12.6                                                                       | 9.1             |
|                   | 2019          | 3,342                                    | 6,815           | 4.7                                                                        | 5.5             |
|                   | 2022          | 3,772                                    | 7,248           | 4.0                                                                        | 2.1             |
| Sabah             | 2016          | 2,135                                    | 5,354           | 2.2                                                                        | 4.6             |
|                   | 2019          | 2,343                                    | 5,745           | 3.1                                                                        | 2.3             |
|                   | 2022          | 2,583                                    | 6,171           | 3.3                                                                        | 2.4             |
| Sarawak           | 2016          | 2,252                                    | 5,387           | 4.8                                                                        | 4.4             |
|                   | 2019          | 2,468                                    | 5,959           | 3.1                                                                        | 3.4             |
|                   | 2022          | 2,726                                    | 6,457           | 3.3                                                                        | 2.7             |
| W.P. Kuala Lumpur | 2016          | 5,257                                    | 11,692          | 8.6                                                                        | 4.8             |
|                   | 2019          | 6,480                                    | 13,257          | 7.0                                                                        | 4.2             |
|                   | 2022          | 6,068                                    | 13,325          | -2.2                                                                       | 0.2             |
| W.P. Labuan       | 2016          | 3,529                                    | 8,174           | 4.7                                                                        | 3.7             |
|                   | 2019          | 4,085                                    | 8,319           | 4.9                                                                        | 0.6             |
|                   | 2022          | 4,522                                    | 8,250           | 3.4                                                                        | -0.3            |
| W.P. Putrajaya    | 2016          | 5,626                                    | 11,555          | 6.4                                                                        | 5.3             |
|                   | 2019          | 6,072                                    | 12,840          | 2.5                                                                        | 3.5             |
|                   | 2022          | 6,342                                    | 13,473          | 1.5                                                                        | 1.6             |

Sumber: Survei Pendapatan dan Perbelanjaan Isi Rumah, Jabatan Perangkaan Malaysia  
Source: Household Income and Expenditure Survey, Department of Statistics Malaysia



**Indikator 10.2.1 : Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya**

*Indicator 10.2.1 : Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities*

**Jadual 10.2 : Peratusan isi rumah di bawah 50 peratus daripada pendapatan penengah mengikut negeri, Malaysia, 2016, 2019 dan 2022 (Proksi)**

*Table 10.2 : Proportion of households below 50 per cent of median income by state, Malaysia, 2016, 2019 and 2022 (Proxy)*

(%)

| Negeri<br>State   | 2016             | 2019              | 2022        |
|-------------------|------------------|-------------------|-------------|
| <b>Malaysia</b>   | <b>15.9</b>      | <b>16.9</b>       | <b>16.6</b> |
| Johor             | 13.5             | 15.3              | 15.9        |
| Kedah             | 15.9             | 10.9 <sup>r</sup> | 11.9        |
| Kelantan          | 12.1             | 9.9               | 12.2        |
| Melaka            | 10.7             | 17.0              | 13.2        |
| Negeri Sembilan   | 15.5             | 11.6              | 13.3        |
| Pahang            | 8.2              | 6.0               | 7.7         |
| Pulau Pinang      | 6.6 <sup>r</sup> | 13.2              | 15.3        |
| Perak             | 14.1             | 11.3              | 13.5        |
| Perlis            | 12.0             | 12.0 <sup>r</sup> | 12.6        |
| Selangor          | 10.7             | 15.3              | 14.2        |
| Terengganu        | 10.2             | 8.2               | 6.9         |
| Sabah             | 17.6             | 14.7              | 14.5        |
| Sarawak           | 16.8             | 15.2              | 16.2        |
| W.P. Kuala Lumpur | 13.8             | 10.6              | 12.7        |
| W.P. Labuan       | 11.6             | 12.9 <sup>r</sup> | 7.0         |
| W.P. Putrajaya    | 6.8 <sup>r</sup> | 12.1 <sup>r</sup> | 11.4        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Note :

<sup>r</sup> Dikemaskini/ Revised



**Indikator 10.4.1 :** Sumbangan buruh dalam KDNK

*Indicator 10.4.1 :* Labour share of GDP

**Jadual 10.3 :** Pampasan pekerja mengikut jenis aktiviti ekonomi pada harga semasa - Peratus Sumbangan kepada KDNK, Malaysia, 2020-2022

*Table 10.3 :* Compensation of employees by kind of economic activity at current prices - Percentage Share to GDP, Malaysia, 2020-2022

|                                                                      | (%)         |                          |                          |
|----------------------------------------------------------------------|-------------|--------------------------|--------------------------|
| <b>Aktiviti ekonomi</b><br><i>Economic activity</i>                  | <b>2020</b> | <b>2021 <sup>e</sup></b> | <b>2022 <sup>p</sup></b> |
| <b>Pampasan pekerja</b><br><i>Compensation of employees</i>          | <b>37.4</b> | <b>35.1</b>              | <b>32.4</b>              |
| <b>Pertanian</b><br><i>Agriculture</i>                               | 17.8        | 13.7                     | 13.0                     |
| <b>Perlombongan dan pengkuarian</b><br><i>Mining &amp; quarrying</i> | 10.9        | 8.9                      | 6.9                      |
| <b>Pembuatan</b><br><i>Manufacturing</i>                             | 37.6        | 35.4                     | 33.3                     |
| <b>Pembinaan</b><br><i>Construction</i>                              | 77.2        | 77.2                     | 77.1                     |
| <b>Perkhidmatan</b><br><i>Services</i>                               | 41.0        | 40.6                     | 37.7                     |

Sumber: Akaun Negara Keluaran Dalam Negeri Kasar Kaedah Pendapatan,  
Jabatan Perangkaan Malaysia

Source: National Accounts Gross Domestic Product Income Approach,  
Department of Statistics Malaysia

**Nota/ Notes :**

**1. <sup>e</sup> Anggaran**  
*Estimates*

**2. <sup>p</sup> Permulaan**  
*Preliminary*

**Indikator 10.5.1 :** Indikator Kestabilan Kewangan (FSI)

*Indicator 10.5.1 :* Financial Soundness Indicators (FSI)

**Jadual 10.4 :** Indikator Kestabilan Kewangan (FSI), Malaysia, 2020-2022

*Table 10.4 :* Financial Soundness Indicators (FSI), Malaysia, 2020-2022

|                                                                                                                                  | (%)              |                  |             |
|----------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|-------------|
|                                                                                                                                  | <b>2020</b>      | <b>2021</b>      | <b>2022</b> |
| <b>Modal kumpulan 1 kepada aset</b><br><i>Tier 1 capital to assets</i>                                                           | 9.0              | 8.8              | 7.5         |
| <b>Modal kumpulan 1 kepada aset berwajaran risiko</b><br><i>Tier 1 capital to risk-weighted assets</i>                           | 15.7             | 16.0             | 15.8        |
| <b>Pinjaman tidak dibayar bersih daripada peruntukan kepada modal</b><br><i>Nonperforming loans net of provisions to capital</i> | 5.5              | 6.1              | 6.3         |
| <b>Pinjaman tidak dibayar kepada jumlah pinjaman kasar</b><br><i>Nonperforming loans to total gross loans</i>                    | 1.6              | 1.7              | 1.7         |
| <b>Pulangan atas aset</b><br><i>Return on assets</i>                                                                             | 1.1              | 1.2              | 1.5         |
| <b>Nisbah perlindungan mudah tunai</b><br><i>Liquid coverage ratio</i>                                                           | 148.2            | 153.4            | 153.9       |
| <b>Kendudukan terbuka bersih dalam pertukaran asing kepada modal</b><br><i>Net open position in foreign exchange to capital</i>  | 5.3 <sup>r</sup> | 4.2 <sup>r</sup> | 3.5         |

Sumber/ Source : Bank Negara Malaysia

**Nota/ Notes :**

**1. Data diekstrak daripada laman portal International Monetary Fund (IMF) pada 4 Disember 2023**  
*Data are extracted from International Monetary Fund (IMF) website on 4<sup>th</sup> December 2023*

**2. <sup>r</sup> Dikemaskini**  
*Revised*



**Indikator 10.6.1 : Peratusan anggota dan hak mengundi negara membangun dalam organisasi antarabangsa**  
*Indicator 10.6.1 : Proportion of members and voting rights of developing countries in international organisations*

**Jadual 10.5 : Peratusan anggota dan hak mengundi negara membangun dalam organisasi antarabangsa, Malaysia, 2020-2022**

*Table 10.5 : Proportion of members and voting rights of developing countries in international organisations, Malaysia, 2020-2022*

| (%)                                                           |                      |                                                                                               |                                                                                                          |
|---------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Organisasi Antarabangsa<br><i>International Organisations</i> | Tahun<br><i>Year</i> | Anggota dalam<br>Organisasi Antarabangsa<br><i>Members In International<br/>Organisations</i> | Hak Mengundi dalam<br>Organisasi Antarabangsa<br><i>Voting Rights In International<br/>Organisations</i> |
| United Nations General Assembly                               | 2020                 | 0.5                                                                                           | 0.5                                                                                                      |
|                                                               | 2021                 | 0.5                                                                                           | 0.5                                                                                                      |
|                                                               | 2022                 | 0.5                                                                                           | 0.5                                                                                                      |
| International Monetary Fund                                   | 2020                 | 0.5                                                                                           | 0.8                                                                                                      |
|                                                               | 2021                 | 0.5                                                                                           | 0.8                                                                                                      |
|                                                               | 2022                 | 0.5                                                                                           | 0.8                                                                                                      |
| International Bank for Reconstruction and Development         | 2020                 | 0.5                                                                                           | 0.4                                                                                                      |
|                                                               | 2021                 | 0.5                                                                                           | 0.4                                                                                                      |
|                                                               | 2022                 | 0.5                                                                                           | 0.4                                                                                                      |
| International Finance Corporation                             | 2020                 | 0.5                                                                                           | 0.6                                                                                                      |
|                                                               | 2021                 | 0.5                                                                                           | 0.6                                                                                                      |
|                                                               | 2022                 | 0.5                                                                                           | 0.6                                                                                                      |
| Asian Development Bank                                        | 2020                 | 1.5                                                                                           | 2.5                                                                                                      |
|                                                               | 2021                 | 1.5                                                                                           | 2.5                                                                                                      |
|                                                               | 2022                 | -                                                                                             | -                                                                                                        |
| World Trade Organisation                                      | 2020                 | 0.6                                                                                           | 0.6                                                                                                      |
|                                                               | 2021                 | 0.6                                                                                           | 0.6                                                                                                      |
|                                                               | 2022                 | 0.6                                                                                           | 0.6                                                                                                      |

Sumber: Platform Data Indikator SDG Global

Source: Global SDG Indicators Data Platform

(UN DESA-Financing for Sustainable Development Office)

Nota/ Notes :

1. (-) Tiada/ kosong/ tiada kes

*Nil/ blank/ no cases*

2. Sumber adalah daripada platform data indikator SDG Global berdasarkan data yang disediakan oleh UN DESA-Financing for Sustainable Development Office dan telah disahkan oleh Kementerian Luar Negara

*The source is from the Global SDG indicators data platform based on derived data by UN DESA-Financing for Sustainable Development Office and has been confirmed by Ministry of Foreign Affairs, Malaysia*



**Indikator 10.a.1 :** Peratusan produk tersenarai dalam jadual tarif (*tariff line*) yang dikenakan ke atas import dari negara kurang membangun dan negara membangun dengan tarif sifar  
*Indicator 10.a.1 :* Proportion of tariff lines applied to imports from least developed countries and developing countries with zero-tariff

**Jadual 10.6 :** Peratusan produk tersenarai dalam jadual tarif (*tariff line*) yang dikenakan ke atas import dari negara kurang membangun dan negara membangun dengan tarif sifar, Malaysia, 2020-2022

*Table 10.6 :* Proportion of tariff lines applied to imports from least developed countries and developing countries with zero-tariff, Malaysia, 2020-2022

(%)

|                                                                                                     | 2020 | 2021 | 2022 |
|-----------------------------------------------------------------------------------------------------|------|------|------|
| <b>Jumlah jadual tarif dengan tarif sifar</b><br><i>Total tariff line with zero-tariff</i>          | 56.6 | 56.7 | 57.3 |
| <b>Makanan</b><br><i>Food</i>                                                                       | 9.0  | 9.0  | 9.4  |
| <b>Minuman dan tembakau</b><br><i>Beverages and tobacco</i>                                         | 0.0  | 0.0  | 0.0  |
| <b>Bahan-bahan mentah tidak boleh dimakan</b><br><i>Crude materials, inedible</i>                   | 6.1  | 6.1  | 4.8  |
| <b>Bahan api galian, pelincir, dll</b><br><i>Mineral fuels, lubricants, etc</i>                     | 0.7  | 0.7  | 0.7  |
| <b>Minyak &amp; lemak binatang dan sayur-sayuran</b><br><i>Animal and vegetable oils &amp; fats</i> | 0.8  | 0.8  | 0.8  |
| <b>Bahan kimia</b><br><i>Chemicals</i>                                                              | 10.6 | 10.7 | 10.8 |
| <b>Barang-barang keluaran kilang</b><br><i>Manufacturing goods</i>                                  | 6.3  | 6.3  | 6.4  |
| <b>Jentera &amp; kelengkapan pengangkutan</b><br><i>Machinery &amp; transport equipment</i>         | 13.9 | 14.0 | 15.1 |
| <b>Pelbagai barang keluaran kilang</b><br><i>Miscellaneous manufactured articles</i>                | 9.0  | 9.0  | 9.2  |
| <b>Pelbagai urusan niaga dan barangan</b><br><i>Miscellaneous transactions and commodities</i>      | 0.1  | 0.1  | 0.1  |

Sumber: Jabatan Kastam Diraja Malaysia  
Source: Royal Malaysian Customs Department

**Nota/ Note :**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. Data tahun 2020** adalah menggunakan Perintah Duti Kastam (PDK) 2017 sehingga 31 Disember 2020  
*Data for 2020 is based on the Customs Duty Order (PDK) 2017 until 31<sup>st</sup> December 2020*

**3. Data tahun 2021** adalah menggunakan Perintah Duti Kastam (PDK) 2017 sehingga 31 Disember 2021  
*Data for 2021 is based on the Customs Duty Order (PDK) 2017 until 31<sup>st</sup> December 2021*

**4. Data tahun 2022** adalah menggunakan Perintah Duti Kastam (PDK) 2022 sehingga 31 Disember 2022  
*Data for 2022 is based on the Customs Duty Order (PDK) 2022 until 31<sup>st</sup> December 2022*

**Indikator 10.c.1 :** Kos pengirisan wang sebagai sebahagian daripada jumlah yang dikirimkan

*Indicator 10.c.1 :* Remittance costs as a proportion of the amount remitted

**Jadual 10.7 :** Kos pengirisan wang sebagai sebahagian daripada jumlah yang dikirimkan, Malaysia, 2020-2022

*Table 10.7 :* Remittance costs as a proportion of the amount remitted, Malaysia, 2020-2022

(%)

|                 | 2020 | 2021 | 2022 |
|-----------------|------|------|------|
| <b>Malaysia</b> | 2.5  | 2.2  | 2.7  |

Sumber/ Source : Bank Negara Malaysia

**Indikator dengan penjelasan**  
*Indicators with explanation*

| SASARAN<br>TARGET                                                                                                                                                                                                                                                                                                                                                                           | INDIKATOR<br>INDICATOR                                                                                                                                                                                                                                                                                         | KETERSEDIAAN AVAILABILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>10.7 Memudahkan migrasi dan pergerakan orang secara teratur, selamat, berkala dan bertanggungjawab, termasuk melalui pelaksanaan dasar migrasi yang terancang dan diuruskan dengan baik</b></p> <p><i>Facilitate orderly, safe, regular and responsible migration and mobility of people, including through the implementation of planned and well-managed migration policies</i></p> | <p><b>10.7.2 Bilangan negara dengan dasar migrasi yang memudahkan migrasi dan pergerakan orang secara teratur, selamat, berkala dan bertanggungjawab</b></p> <p><i>Number of countries with migration policies that facilitate orderly, safe, regular and responsible migration and mobility of people</i></p> | <p>Dua (2) akta berkaitan indikator SDG 10.7.2 iaitu</p> <p>i. Akta Imigresen 1959/63; dan<br/>ii. Akta Antipemerdagangan Orang dan Antipenyeludupan Migran 2007</p> <p><b>Sumber:</b><br/><b>Kementerian Dalam Negeri</b></p> <p><i>Two (2) acts related to SDG 10.7.2 indicator i.e.</i></p> <p>i. <i>Immigration Act 1959/63; and</i><br/>ii. <i>Anti-Trafficking in Persons and Anti-Smuggling of Migrants Act 2007</i></p> <p><i>Source: Ministry of Home Affairs</i></p> |

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

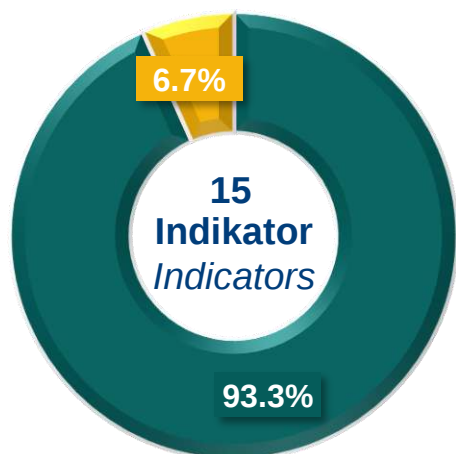


## 11 SUSTAINABLE CITIES AND COMMUNITIES



# Bandar dan Komuniti yang Mampan *Sustainable Cities and Communities*

Menjadikan bandar dan penempatan penduduk sebagai menyeluruh, selamat, berdaya tahan dan mampan  
*Make cities and human settlements inclusive, safe, resilient and sustainable*



 **Tersedia**  
Available

 **Sebahagiannya Tersedia, Perlu Dibangunkan**  
Partially Available, Need Further Development

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

**Indikator 11.1.1** : Peratusan penduduk bandar yang tinggal di kawasan sesak, penempatan setinggan atau perumahan yang tidak memadai

*Indicator 11.1.1* : *Proportion of urban population living in slums, informal settlements or inadequate housing*

**Jadual 11.1** : Peratusan penduduk bandar yang tinggal di kawasan sesak, penempatan setinggan atau perumahan yang tidak memadai mengikut negeri, Malaysia, 2020

*Table 11.1* : *Proportion of urban population living in slums, informal settlements or inadequate housing by state, Malaysia, 2020*

| (%)               |            |
|-------------------|------------|
| Negeri<br>State   | 2020       |
| <b>Malaysia</b>   | <b>0.2</b> |
| Johor             | 0.1        |
| Kedah             | 0.3        |
| Kelantan          | n.a.       |
| Melaka            | n.a.       |
| Negeri Sembilan   | 0.1        |
| Pahang            | 0.3        |
| Pulau Pinang      | n.a.       |
| Perak             | 0.1        |
| Perlis            | 0.7        |
| Selangor          | 0.2        |
| Terengganu        | 0.1        |
| Sabah             | n.a.       |
| Sarawak           | n.a.       |
| W.P. Kuala Lumpur | 1.1        |
| W.P. Labuan       | 2.3        |
| W.P. Putrajaya    | n.a.       |

Sumber: i. Kementerian Pembangunan Kerajaan Tempatan  
ii. Jabatan Perancangan Bandar dan Desa (PLANMalaysia)  
iii. Jabatan Perangkaan Malaysia  
Source: i. Ministry of Local Government Development  
ii. Department of Town and Country Planning (PLANMalaysia)  
iii. Department of Statistics Malaysia

**Nota/ Notes :**

**1. n.a. tidak berkenaan**  
*not applicable*

**2. Data merujuk kepada Semenanjung Malaysia sahaja**  
*Data refer to Peninsular Malaysia only*

**Indikator 11.2.1 :** Peratusan penduduk yang mempunyai capaian mudah kepada pengangkutan awam, mengikut jantina, umur dan orang kurang upaya

*Indicator 11.2.1 :* Proportion of population that has convenient access to public transport, by sex, age and persons with disabilities

**Jadual 11.2 :** Peratusan penduduk yang mempunyai capaian mudah kepada pengangkutan awam mengikut negeri dan jantina, Malaysia, 2020

*Table 11.2 :* Proportion of population that has convenient access to public transport by state and sex, Malaysia, 2020

| (%)               |                 |                |                     |
|-------------------|-----------------|----------------|---------------------|
| Negeri<br>State   | Jumlah<br>Total | Lelaki<br>Male | Perempuan<br>Female |
| <b>Malaysia</b>   | <b>74.1</b>     | <b>74.4</b>    | <b>73.9</b>         |
| Johor             | 80.4            | 80.7           | 80.0                |
| Kedah             | 96.9            | 97.0           | 96.9                |
| Kelantan          | 99.3            | 99.2           | 99.4                |
| Melaka            | 99.1            | 99.3           | 98.8                |
| Negeri Sembilan   | 88.5            | 88.3           | 88.7                |
| Pahang            | 96.6            | 96.5           | 96.7                |
| Pulau Pinang      | 91.6            | 91.6           | 91.6                |
| Perak             | 87.4            | 87.7           | 87.0                |
| Perlis            | 100.0           | 100.0          | 100.0               |
| Selangor          | 80.2            | 80.3           | 80.1                |
| Terengganu        | 99.8            | 99.8           | 99.8                |
| Sabah             | n.a.            | n.a.           | n.a.                |
| Sarawak           | n.a.            | n.a.           | n.a.                |
| W.P. Kuala Lumpur | 76.5            | 77.6           | 75.3                |
| W.P. Labuan       | 17.5            | 17.3           | 17.6                |
| W.P. Putrajaya    | 87.1            | 87.1           | 87.0                |

Sumber: i. Kementerian Pembangunan Kerajaan Tempatan  
ii. Jabatan Perancangan Bandar dan Desa (PLANMalaysia)  
iii. Jabatan Perangkaan Malaysia

Source: i. Ministry of Local Government Development  
ii. Department of Town and Country Planning (PLANMalaysia)  
iii. Department of Statistics Malaysia

**Nota/ Notes :**

**1. n.a. tidak berkenaan**  
not applicable

**2. Data merujuk kepada Semenanjung Malaysia sahaja**  
Data refer to Peninsular Malaysia only



**Indikator 11.3.1 : Nisbah kadar penggunaan tanah kepada kadar pertumbuhan penduduk**

*Indicator 11.3.1 : Ratio of land consumption rate to population growth rate*

**Jadual 11.3 : Nisbah kadar penggunaan tanah kepada kadar pertumbuhan penduduk mengikut negeri, Malaysia, 2020-2022**

*Table 11.3 : Ratio of land consumption rate to population growth rate by state, Malaysia, 2020-2022*

| (%)               |            |            |
|-------------------|------------|------------|
| Negeri<br>State   | 2020/ 2021 | 2021/ 2022 |
| <b>Malaysia</b>   | <b>1.2</b> | <b>3.5</b> |
| Johor             | -0.8       | 25.8       |
| Kedah             | 0.6        | 2.2        |
| Kelantan          | 0.1        | -0.4       |
| Melaka            | -0.7       | 4.5        |
| Negeri Sembilan   | 1.6        | 0.8        |
| Pahang            | 1.2        | -0.5       |
| Pulau Pinang      | 0.0        | 2.7        |
| Perak             | 4.8        | -58.8      |
| Perlis            | -0.4       | 0.1        |
| Selangor          | -2.8       | -4.0       |
| Terengganu        | 0.1        | 3.5        |
| Sabah             | n.a.       | n.a.       |
| Sarawak           | n.a.       | n.a.       |
| W.P. Kuala Lumpur | -0.5       | 11.8       |
| W.P. Labuan       | -4.6       | 0.0        |
| W.P. Putrajaya    | 0.4        | 0.2        |

Sumber: i. Kementerian Pembangunan Kerajaan Tempatan  
ii. Jabatan Perancangan Bandar dan Desa (PLANMalaysia)  
iii. Jabatan Perangkaan Malaysia

Source: i. Ministry of Local Government Development  
ii. Department of Town and Country Planning (PLANMalaysia)  
iii. Department of Statistics Malaysia

**Nota/ Note :**

**n.a. tidak berkenaan**  
*not applicable*



**Indikator 11.3.2 : Peratusan bandar dengan struktur penyertaan langsung masyarakat sivil dalam perancangan dan pengurusan bandar yang beroperasi secara teratur dan demokratik**

*Indicator 11.3.2 : Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically*

**Jadual 11.4 : Peratusan bandar dengan struktur penyertaan langsung masyarakat sivil dalam perancangan dan pengurusan bandar yang beroperasi secara teratur dan demokratik, Malaysia, 2022**

*Table 11.4 : Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically, Malaysia, 2022*

|                                |  | (%)   |
|--------------------------------|--|-------|
| Negeri<br>State                |  | 2022  |
| Malaysia                       |  | 89.7  |
| Johor                          |  | 100.0 |
| Kedah                          |  | 100.0 |
| Kelantan                       |  | 100.0 |
| Melaka                         |  | 100.0 |
| Negeri Sembilan                |  | 100.0 |
| Pahang                         |  | 100.0 |
| Pulau Pinang                   |  | 100.0 |
| Perak                          |  | 100.0 |
| Perlis                         |  | 100.0 |
| Selangor                       |  | 100.0 |
| Terengganu                     |  | 100.0 |
| Sabah                          |  | 100.0 |
| Sarawak                        |  | 38.5  |
| W.P. Kuala Lumpur <sup>a</sup> |  | 100.0 |

Sumber: Kementerian Pembangunan Kerajaan Tempatan  
Source: Ministry of Local Government Development

**Nota/ Note :**

<sup>a</sup> Termasuk/ Include W.P. Putrajaya dan/ and W.P. Labuan



**Indikator 11.5.1 :** Bilangan kematian, orang yang hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk

*Indicator 11.5.1 :* Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population

**Jadual 11.5 :** Bilangan kematian, orang yang hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk mengikut negeri, Malaysia, 2020-2022

*Table 11.5 :* Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population by state, Malaysia, 2020-2022

| Negeri<br>State | Tahun<br>Year | Kematian<br>Death  |               | Orang yang hilang <sup>a</sup><br>Missing person |               | Orang yang terjejas <sup>b</sup><br>Affected person |               |
|-----------------|---------------|--------------------|---------------|--------------------------------------------------|---------------|-----------------------------------------------------|---------------|
|                 |               | Bilangan<br>Number | Kadar<br>Rate | Bilangan<br>Number                               | Kadar<br>Rate | Bilangan<br>Number                                  | Kadar<br>Rate |
| Malaysia        | 2020          | 16                 | 0.0           | 1                                                | 0.0           | 48,667                                              | 150           |
|                 | 2021          | 48                 | 0.1           | -                                                | -             | 247,997                                             | 761           |
|                 | 2022          | 35                 | 0.1           | -                                                | -             | 199,244                                             | 609           |
| Johor           | 2020          | 3                  | 0.1           | -                                                | -             | 5,425                                               | 135           |
|                 | 2021          | -                  | -             | -                                                | -             | 16,104                                              | 401           |
|                 | 2022          | -                  | -             | -                                                | -             | 13,112                                              | 326           |
| Kedah           | 2020          | -                  | -             | -                                                | -             | 1,649                                               | 77            |
|                 | 2021          | -                  | -             | -                                                | -             | 3,968                                               | 184           |
|                 | 2022          | -                  | -             | -                                                | -             | 2,376                                               | 110           |
| Kelantan        | 2020          | 4                  | 0.2           | 1                                                | 0.1           | 2,661                                               | 148           |
|                 | 2021          | 3                  | 0.2           | -                                                | -             | 20,582                                              | 1,136         |
|                 | 2022          | -                  | -             | -                                                | -             | 63,226                                              | 3,454         |
| Melaka          | 2020          | -                  | -             | -                                                | -             | 820                                                 | 82            |
|                 | 2021          | -                  | -             | -                                                | -             | 3,175                                               | 316           |
|                 | 2022          | -                  | -             | -                                                | -             | 3,574                                               | 354           |
| Negeri Sembilan | 2020          | -                  | -             | -                                                | -             | 1,282                                               | 107           |
|                 | 2021          | -                  | -             | -                                                | -             | 1,133                                               | 94            |
|                 | 2022          | -                  | -             | -                                                | -             | 3,799                                               | 315           |
| Pahang          | 2020          | 8                  | 0.5           | -                                                | -             | 1,443                                               | 91            |
|                 | 2021          | 20                 | 1.2           | -                                                | -             | 119,434                                             | 7,458         |
|                 | 2022          | -                  | -             | -                                                | -             | 3,917                                               | 243           |
| Pulau Pinang    | 2020          | -                  | -             | -                                                | -             | 272                                                 | 16            |
|                 | 2021          | -                  | -             | -                                                | -             | 59                                                  | 3             |
|                 | 2022          | -                  | -             | -                                                | -             | 402                                                 | 23            |
| Perak           | 2020          | -                  | -             | -                                                | -             | 4,100                                               | 164           |
|                 | 2021          | -                  | -             | -                                                | -             | 3,016                                               | 120           |
|                 | 2022          | -                  | -             | -                                                | -             | 3,371                                               | 134           |

Sumber: Agensi Pengurusan Bencana Negara  
Source: National Disaster Management Agency

Nota/ Notes :

1. <sup>a</sup> Bilangan orang hilang yang disebabkan oleh bencana

Number of missing persons attributed to disasters

2. <sup>b</sup> Bilangan orang dengan kediaman yang rosak

Number of people with damaged dwellings

3. Kadar adalah bagi setiap 100,000 penduduk

The rates are per 100,000 population

4. (-) Tiada/ kosong/ tiada kes

Nil/ blank/ no cases

5. 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan

refers to less than half smallest unit shown



**Indikator 11.5.1 :** Bilangan kematian, orang yang hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk

*Indicator 11.5.1 :* Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population

**Jadual 11.5 :** Bilangan kematian, orang yang hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk mengikut negeri, Malaysia, 2020-2022 (samb.)

*Table 11.5 :* Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population by state, Malaysia, 2020-2022 (cont'd)

| Negeri<br>State   | Tahun<br>Year | Kematian<br>Death  |               | Orang yang hilang <sup>a</sup><br>Missing person |               | Orang yang terjejas <sup>b</sup><br>Affected person |               |
|-------------------|---------------|--------------------|---------------|--------------------------------------------------|---------------|-----------------------------------------------------|---------------|
|                   |               | Bilangan<br>Number | Kadar<br>Rate | Bilangan<br>Number                               | Kadar<br>Rate | Bilangan<br>Number                                  | Kadar<br>Rate |
| Perlis            | 2020          | -                  | -             | -                                                | -             | 27                                                  | 9             |
|                   | 2021          | -                  | -             | -                                                | -             | 11                                                  | 4             |
|                   | 2022          | -                  | -             | -                                                | -             | 33                                                  | 11            |
| Selangor          | 2020          | -                  | -             | -                                                | -             | 5,879                                               | 84            |
|                   | 2021          | 25                 | 0.4           | -                                                | -             | 40,949                                              | 584           |
|                   | 2022          | 35                 | 0.5           | -                                                | -             | 6,987                                               | 99            |
| Terengganu        | 2020          | -                  | -             | -                                                | -             | 22,189                                              | 1,930         |
|                   | 2021          | -                  | -             | -                                                | -             | 19,791                                              | 1,691         |
|                   | 2022          | -                  | -             | -                                                | -             | 89,410                                              | 7,535         |
| Sabah             | 2020          | 1                  | 0.0           | -                                                | -             | 1,743                                               | 51            |
|                   | 2021          | -                  | -             | -                                                | -             | 10,065                                              | 295           |
|                   | 2022          | -                  | -             | -                                                | -             | 6,420                                               | 188           |
| Sarawak           | 2020          | -                  | -             | -                                                | -             | 726                                                 | 30            |
|                   | 2021          | -                  | -             | -                                                | -             | 8,761                                               | 355           |
|                   | 2022          | -                  | -             | -                                                | -             | 1,783                                               | 72            |
| W.P. Kuala Lumpur | 2020          | -                  | -             | -                                                | -             | 411                                                 | 21            |
|                   | 2021          | -                  | -             | -                                                | -             | 898                                                 | 46            |
|                   | 2022          | -                  | -             | -                                                | -             | 834                                                 | 43            |
| W.P. Labuan       | 2020          | -                  | -             | -                                                | -             | 40                                                  | 42            |
|                   | 2021          | -                  | -             | -                                                | -             | 51                                                  | 53            |
|                   | 2022          | -                  | -             | -                                                | -             | -                                                   | -             |
| W.P. Putrajaya    | 2020          | -                  | -             | -                                                | -             | -                                                   | -             |
|                   | 2021          | -                  | -             | -                                                | -             | -                                                   | -             |
|                   | 2022          | -                  | -             | -                                                | -             | -                                                   | -             |

Sumber: Agensi Pengurusan Bencana Negara  
Source: National Disaster Management Agency

Nota/ Notes :

- <sup>a</sup> Bilangan orang hilang yang disebabkan oleh bencana  
Number of missing persons attributed to disasters
- <sup>b</sup> Bilangan orang dengan kediaman yang rosak  
Number of people with damaged dwellings
- Kadar adalah bagi setiap 100,000 penduduk  
The rates are per 100,000 population
- (-) Tiada/ kosong/ tiada kes  
Nil/ blank/ no cases
- 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
refers to less than half smallest unit shown



**Indikator 11.5.2 : Kerugian langsung ekonomi akibat bencana yang berkait dengan Keluaran Dalam Negeri Kasar (KDNK) global**

*Indicator 11.5.2 : Direct economic loss attributed to disasters in relation to global Gross Domestic Product (GDP)*

**Jadual 11.6 : Kerugian langsung ekonomi akibat bencana yang berkait dengan Keluaran Dalam Negeri Kasar (KDNK) global, Malaysia, 2020-2022**

*Table 11.6 : Direct economic loss attributed to disasters in relation to global Gross Domestic Product (GDP), Malaysia, 2020-2022*

|                                                                                                                                                                                                                                                 |                                                                                               | 2020        | 2021        | 2022 <sup>a</sup> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|-------------|-------------------|
| <b>Kerugian pertanian langsung dikaitkan dengan bencana</b><br><i>Direct agriculture loss attributed to disasters</i>                                                                                                                           | <b>Dolar Amerika Syarikat semasa</b><br><i>Current United States dollars</i>                  | 8,485,776   | 27,841,610  | 154,515,000       |
| <b>Kerugian ekonomi langsung dikaitkan dengan bencana berbanding KDNK</b><br><i>Direct economic loss attributed to disasters relative to GDP</i>                                                                                                | <b>Peratus</b><br><i>Per cent</i>                                                             | 0.0003      | -           | -                 |
| <b>Kerugian ekonomi langsung yang dikaitkan dengan bencana</b><br><i>Direct economic loss attributed to disasters</i>                                                                                                                           | <b>Dolar Amerika Syarikat semasa</b><br><i>Current United States dollars</i>                  | 112,843,467 | 228,406,502 | -                 |
| <b>Kerugian ekonomi langsung dalam sektor perumahan disebabkan oleh bencana</b><br><i>Direct economic loss in the housing sector attributed to disasters</i>                                                                                    | <b>Dolar Amerika Syarikat semasa</b><br><i>Current United States dollars</i>                  | -           | -           | -                 |
| <b>Kerugian ekonomi langsung akibat daripada infrastruktur kritikal yang rosak atau musnah yang dikaitkan dengan bencana</b><br><i>Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters</i> | <b>Dolar Amerika Syarikat semasa</b><br><i>Current United States dollars</i>                  | 104,357,692 | 200,564,892 | 232,700,000       |
| <b>Kerugian ekonomi langsung kepada warisan budaya yang rosak atau musnah disebabkan oleh bencana</b><br><i>Direct economic loss to cultural heritage damaged or destroyed attributed to disasters</i>                                          | <b>Juta dolar Amerika Syarikat semasa</b><br><i>Millions of current United States dollars</i> | -           | 32,554      | -                 |
| <b>Kerugian ekonomi langsung kepada aset produktif lain yang rosak atau musnah yang dikaitkan dengan bencana</b><br><i>Direct economic loss to other damaged or destroyed productive assets attributed to disasters</i>                         | <b>Dolar Amerika Syarikat semasa</b><br><i>Current United States dollars</i>                  | -           | -           | -                 |

Sumber: Platform Data Indikator SDG Global (Agensi Pengurusan Bencana Negara)  
Source: Global SDG Indicators Data Platform (National Disaster Management Agency)

**Nota/ Notes :**

1. Sumber adalah daripada platform data indikator SDG Global berdasarkan data yang disediakan oleh United Nations Office for Disaster Risk Reduction (UNISDR) menggunakan sumber daripada Agensi Pengurusan Bencana Negara  
*The source is from the Global SDG indicators data platform based on derived data by United Nations Office for Disaster Risk Reduction using the data from National Disaster Management Agency*
2. <sup>a</sup> Merujuk kepada Survei Khas Impak Banjir, Malaysia, 2022 daripada Jabatan Perangkaan Malaysia  
*Refers to Special Report on Impact of Floods, Malaysia, 2022 by the Department of Statistics Malaysia*
3. (-) Tiada/ kosong/ tiada kes  
*Nil/ blank/ no cases*



**Indikator 11.5.3 :** (a) Kerosakan infrastruktur kritikal dan (b) jumlah gangguan terhadap perkhidmatan asas, yang disebabkan oleh bencana

*Indicator 11.5.3 :* (a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters

**Jadual 11.7 :** (a) Kerosakan infrastruktur kritikal dan (b) jumlah gangguan terhadap perkhidmatan asas, yang disebabkan oleh bencana, Malaysia, 2020-2022

*Table 11.7 :* (a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters, Malaysia, 2020-2022

|                                                                                                                                                                                                                                         | 2020 | 2021 | 2022 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|
| <b>Bilangan infrastruktur kritikal yang rosak dikaitkan dengan bencana</b><br><i>Number of damaged critical infrastructure attributed to disasters</i>                                                                                  | 353  | n.a. | -    |
| <b>Bilangan kemudahan pendidikan yang musnah atau rosak yang dikaitkan dengan bencana</b><br><i>Number of destroyed or damaged educational facilities attributed to disaster</i>                                                        | -    | n.a. | 503  |
| <b>Bilangan kemudahan kesihatan yang musnah atau rosak yang dikaitkan dengan bencana</b><br><i>Number of destroyed or damaged health facilities attributed to disasters</i>                                                             | -    | n.a. | 78   |
| <b>Bilangan gangguan kepada perkhidmatan asas yang dikaitkan dengan bencana</b><br><i>Number of disruptions to basic services attributed to disasters</i>                                                                               | -    | n.a. | -    |
| <b>Bilangan gangguan kepada perkhidmatan pendidikan yang dikaitkan dengan bencana</b><br><i>Number of disruptions to educational services attributed to disasters</i>                                                                   | -    | n.a. | 503  |
| <b>Bilangan gangguan kepada perkhidmatan kesihatan yang dikaitkan dengan bencana</b><br><i>Number of disruptions to health services attributed to disasters</i>                                                                         | -    | n.a. | 18   |
| <b>Bilangan gangguan kepada perkhidmatan asas lain yang dikaitkan dengan bencana</b><br><i>Number of disruptions to other basic services attributed to disasters</i>                                                                    | -    | n.a. | -    |
| <b>Bilangan unit dan kemudahan infrastruktur kritikal lain yang musnah atau rosak yang dikaitkan dengan bencana</b><br><i>Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters</i> | 353  | n.a. | -    |

Sumber: Platform Data Indikator SDG Global  
(Agensi Pengurusan Bencana Negara)  
Source: Global SDG Indicators Data Platform  
(National Disaster Management Agency)

**Nota/ Notes :**

1. Sumber adalah daripada platform data indikator SDG Global berdasarkan data yang disediakan oleh United Nations Office for Disaster Risk Reduction (UNISDR) menggunakan sumber daripada Agensi Pengurusan Bencana Negara

The source is from the Global SDG indicators data platform based on derived data by United Nations Office for Disaster Risk Reduction (UNISDR) using the data from National Disaster Management Agency

2. (-) Tiada/ kosong/ tiada kes

Nil/ blank/ no cases

3. n.a. tidak berkenaan

not applicable



**Indikator 11.6.1 : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar**

*Indicator 11.6.1 : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities*

**Jadual 11.8 : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri, Malaysia, 2020-2022 (Proksi)**

*Table 11.8 : Proportion of solid waste recycled out of total solid waste collected by state, Malaysia, 2020-2022 (Proxy)*

| Negeri<br>State | Tahun<br>Year | Sisa pepejal yang dikitar<br>semula (Kilogram)<br>Recycled solid waste<br>(Kilograms) | Sisa pepejal yang<br>dikumpulkan (Kilogram)<br>Solid waste collected<br>(Kilograms) | Peratus sisa pepejal<br>yang dikitar semula (%)<br>Proportion solid<br>waste recycled (%) |
|-----------------|---------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Malaysia        | 2020          | 1,568,801,597.1                                                                       | 15,628,330,333.0                                                                    | 10.0                                                                                      |
|                 | 2021          | 1,447,146,701.5                                                                       | 7,832,438,790.8                                                                     | 18.5                                                                                      |
|                 | 2022          | 1,654,313,241.2                                                                       | 8,291,450,799.9                                                                     | 20.0                                                                                      |
| Johor           | 2020          | 34,875,770.0                                                                          | 1,115,272,386.6                                                                     | 3.1                                                                                       |
|                 | 2021          | 21,789,256.2                                                                          | 1,162,927,156.6                                                                     | 1.9                                                                                       |
|                 | 2022          | 117,160,611.3                                                                         | 1,065,778,907.8                                                                     | 11.0                                                                                      |
| Kedah           | 2020          | 2,028,136.0                                                                           | 504,454,333.0                                                                       | 0.4                                                                                       |
|                 | 2021          | 1,401,707.7                                                                           | 453,782,892.0                                                                       | 0.3                                                                                       |
|                 | 2022          | 421,029.5                                                                             | 335,616,600.0                                                                       | 0.1                                                                                       |
| Kelantan        | 2020          | 2,652,148.5                                                                           | 90,825,481.0                                                                        | 2.9                                                                                       |
|                 | 2021          | 11,332,265.9                                                                          | 259,115,840.0                                                                       | 4.4                                                                                       |
|                 | 2022          | 25,594,555.0                                                                          | 248,720,810.0                                                                       | 10.3                                                                                      |
| Melaka          | 2020          | 18,264,446.2                                                                          | 176,217,620.0                                                                       | 10.4                                                                                      |
|                 | 2021          | 15,678,984.5                                                                          | 173,687,090.0                                                                       | 9.0                                                                                       |
|                 | 2022          | 64,588,833.3                                                                          | 194,538,810.0                                                                       | 33.2                                                                                      |
| Negeri Sembilan | 2020          | 417,241.4                                                                             | 289,874,891.4                                                                       | 0.1                                                                                       |
|                 | 2021          | 501,789.0                                                                             | 276,570,159.0                                                                       | 0.2                                                                                       |
|                 | 2022          | 21,590,717.0                                                                          | 351,851,930.0                                                                       | 6.1                                                                                       |
| Pahang          | 2020          | 46,838,263.8                                                                          | 290,168,454.0                                                                       | 16.1                                                                                      |
|                 | 2021          | 10,263,304.0                                                                          | 271,074,182.0                                                                       | 3.8                                                                                       |
|                 | 2022          | 56,599,546.6                                                                          | 321,341,300.0                                                                       | 17.6                                                                                      |
| Pulau Pinang    | 2020          | 707,549,960.0                                                                         | 773,426,820.0                                                                       | 91.5                                                                                      |
|                 | 2021          | 871,553,945.0                                                                         | 1,600,748,715.0                                                                     | 54.4                                                                                      |
|                 | 2022          | 825,727,560.0                                                                         | 1,495,358,723.0                                                                     | 55.2                                                                                      |
| Perak           | 2020          | 44,577,618.0                                                                          | 803,898,075.0                                                                       | 5.5                                                                                       |
|                 | 2021          | 49,145,620.3                                                                          | 738,702,723.0                                                                       | 6.7                                                                                       |
|                 | 2022          | 69,429,888.1                                                                          | 674,772,705.0                                                                       | 10.3                                                                                      |

Sumber: MURNInets, Jabatan Perancangan Bandar dan Desa (PLANMalaysia)

Source: MURNInets, Department of Town and Country Planning (PLANMalaysia)

**Nota/ Notes :**

**1. Sisa pepejal yang dijana meliputi sisa pepejal yang dihasilkan oleh isi rumah atau dikeluarkan oleh mana-mana premis yang dihuni sebagai rumah kediaman**

*Solid waste generated covers solid waste produced by households or removed by any premises occupied as a residential house*

**2. Data merujuk kepada kutipan sisa pepejal oleh Pihak Berkuasa Tempatan (PBT) dan Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam Negara (SWCorp)**

*Data refer to solid waste collection by the Local Authority (PBT) and the Solid Waste Management and Public Cleansing Corporation (SWCorp)*

**3. Data sisa pepejal yang dikitar semula adalah berdasarkan program dan projek yang dilaksanakan oleh PBT. Penyertaan program dan projek ini adalah secara sukarela oleh PBT yang terlibat.**

*Recycled solid waste data based on programs and projects implemented by Local Authority. Participation in these programs and projects is voluntary by the Local Authority involved.*



**Indikator 11.6.1 : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar**

*Indicator 11.6.1 : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities*

**Jadual 11.8 : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri, Malaysia, 2020-2022 (Proksi) (samb.)**

*Table 11.8 : Proportion of solid waste recycled out of total solid waste collected by state, Malaysia, 2020-2022 (Proxy) (cont'd)*

| Negeri<br>State   | Tahun<br>Year | Sisa pepejal yang dikitar semula (Kilogram)<br>Recycled solid waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid waste collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|-------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Perlis            | 2020          | 149,495.1                                                                       | 50,898,870.0                                                                  | 0.3                                                                                 |
|                   | 2021          | 417,190.9                                                                       | 56,428,000.7                                                                  | 0.7                                                                                 |
|                   | 2022          | 556,274.1                                                                       | 49,778,030.0                                                                  | 1.1                                                                                 |
| Selangor          | 2020          | 425,011,893.9                                                                   | 10,391,912,407.0                                                              | 4.1                                                                                 |
|                   | 2021          | 194,118,628.4                                                                   | 1,747,319,652.0                                                               | 11.1                                                                                |
|                   | 2022          | 449,199,198.9                                                                   | 1,803,959,390.0                                                               | 24.9                                                                                |
| Terengganu        | 2020          | 94,320,764.2                                                                    | 261,989,085.0                                                                 | 36.0                                                                                |
|                   | 2021          | 81,655,448.4                                                                    | 287,816,490.5                                                                 | 28.4                                                                                |
|                   | 2022          | 1,985,738.4                                                                     | 232,331,761.7                                                                 | 0.9                                                                                 |
| Sabah             | 2020          | 147,989,543.0                                                                   | 645,785,258.0                                                                 | 22.9                                                                                |
|                   | 2021          | 149,354,661.5                                                                   | 722,375,205.0                                                                 | 20.7                                                                                |
|                   | 2022          | 15,047,998.3                                                                    | 769,524,982.3                                                                 | 2.0                                                                                 |
| Sarawak           | 2020          | n.a.                                                                            | n.a.                                                                          | n.a.                                                                                |
|                   | 2021          | n.a.                                                                            | n.a.                                                                          | n.a.                                                                                |
|                   | 2022          | n.a.                                                                            | n.a.                                                                          | n.a.                                                                                |
| W.P. Kuala Lumpur | 2020          | 186,962,000.0                                                                   | 833,726,680.0                                                                 | 22.4                                                                                |
|                   | 2021          | 184,952,084.0                                                                   | 751,837,740.0                                                                 | 24.6                                                                                |
|                   | 2022          | 1,088,763.6                                                                     | 693,099,440.0                                                                 | 0.2                                                                                 |
| W.P. Labuan       | 2020          | 1,503,860.0                                                                     | 15,125,550.0                                                                  | 9.9                                                                                 |
|                   | 2021          | 22,273.2                                                                        | 21,521,870.0                                                                  | 0.1                                                                                 |
|                   | 2022          | 11,780.3                                                                        | 21,037,190.0                                                                  | 0.1                                                                                 |
| W.P. Putrajaya    | 2020          | 3,650,000.0                                                                     | 30,539,680.0                                                                  | 12.0                                                                                |
|                   | 2021          | 4,314,204.0                                                                     | 30,906,280.0                                                                  | 14.0                                                                                |
|                   | 2022          | 5,310,747.0                                                                     | 33,740,220.0                                                                  | 15.7                                                                                |

Sumber: MURNInets, Jabatan Perancangan Bandar dan Desa (PLANMalaysia)  
Source: MURNInets, Department of Town and Country Planning (PLANMalaysia)

**Nota/ Notes :**

- Sisa pepejal yang dijana meliputi sisa pepejal yang dihasilkan oleh isi rumah atau dikeluarkan oleh mana-mana premis yang dihuni sebagai rumah kediaman**  
*Solid waste generated covers solid waste produced by households or removed by any premises occupied as a residential house*
- Data merujuk kepada kutipan sisa pepejal oleh Pihak Berkuasa Tempatan (PBT) dan Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam Negara (SWCorp)**  
*Data refer to solid waste collection by the Local Authority (PBT) and the Solid Waste Management and Public Cleansing Corporation (SWCorp)*
- Data sisa pepejal yang dikitar semula adalah berdasarkan program dan projek yang dilaksanakan oleh PBT. Penyertaan program dan projek ini adalah secara sukarela.**  
*Recycled solid waste data based on programmes and projects implemented by Local Authority. Participation in these programmes and projects is voluntary.*
- Negeri Sarawak masih belum menyertai Program MURNInets Tahun 2021**  
*Sarawak has not yet participated in the MURNInets 2021 Program*
- 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan**  
*refers to less than half smallest unit shown*
- Data yang dibekalkan berdasarkan pelaksanaan program MURNInets pada tahun semasa (tahun kajian). Walau bagaimanapun, perolehan data yang digunakan adalah menggunakan data tahun sebelum kajian.**  
*The provided data is based on the implementation of MURNInets program in the current year (study year). However, the data acquisition used involves data from the year before the study.*
- n.a. tidak berkenaan**  
*not applicable*



**Indikator 11.6.2 :** Purata tahunan tahap habuk halus (contohnya  $PM_{2.5}$  dan  $PM_{10}$ ) di bandar (berpemberat penduduk)

*Indicator 11.6.2 :* Annual mean levels of fine particulate matter (e.g.  $PM_{2.5}$  and  $PM_{10}$ ) in cities (population weighted)

**Jadual 11.9 :** Purata tahunan kepekatan berdasarkan jenis bahan pencemar di udara, Malaysia, 2020-2022

*Table 11.9 :* Annually average concentration based on the type of air pollutants in the air, Malaysia, 2020-2022

( $\mu\text{g}/\text{m}^3$ )

| Kepekatan habuk halus<br>Concentration of particulate matter | 2020 <sup>†</sup> | 2021 <sup>†</sup> | 2022 |
|--------------------------------------------------------------|-------------------|-------------------|------|
| $PM_{10}$                                                    | 19.7              | 20.5              | 19.8 |
| $PM_{2.5}$                                                   | 16.3              | 15.2              | 12.3 |

Sumber: Jabatan Alam Sekitar  
Source: Department of Environment

Nota/ Notes :

1. Data  $PM_{10}$  dan  $PM_{2.5}$  merujuk kepada Laporan Kualiti Alam Sekeliling 2022 yang dikeluarkan oleh Jabatan Alam Sekitar (DOE)

*Data  $PM_{10}$  and  $PM_{2.5}$  refer to the Environmental Quality Report 2022 issued by the Department of Environment (DOE)*

2. Data  $PM_{2.5}$  hanya bermula pada 2018

*$PM_{2.5}$  data only start in 2018*

3. <sup>†</sup> Dikemaskini/ Revised

**Indikator 11.7.1 :** Bahagian purata kawasan binaan bandar raya yang merupakan kawasan terbuka untuk kegunaan awam bagi semua, mengikut jantina, umur dan orang kurang upaya

*Indicator 11.7.1 :* Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities

**Jadual 11.10 :** Bahagian purata kawasan binaan bandar raya yang merupakan kawasan terbuka untuk kegunaan awam bagi semua mengikut negeri, Malaysia, 2020-2022

*Table 11.10 :* Average share of the built-up area of cities that is open space for public use for all by state, Malaysia, 2020-2022

(%)

| Negeri<br>State   | 2020        | 2021        | 2022        |
|-------------------|-------------|-------------|-------------|
| <b>Malaysia</b>   | <b>35.3</b> | <b>35.6</b> | <b>35.5</b> |
| Johor             | 41.2        | 42.3        | 44.6        |
| Kedah             | 24.4        | 24.1        | 24.0        |
| Kelantan          | 29.6        | 29.7        | 29.5        |
| Melaka            | 32.4        | 30.3        | 29.7        |
| Negeri Sembilan   | 33.8        | 33.8        | 33.8        |
| Pahang            | 30.7        | 30.5        | 30.7        |
| Pulau Pinang      | 26.3        | 26.4        | 26.8        |
| Perak             | 37.5        | 37.7        | 37.4        |
| Perlis            | 22.5        | 22.6        | 22.6        |
| Selangor          | 43.9        | 45.3        | 43.3        |
| Terengganu        | 32.9        | 33.0        | 31.7        |
| Sabah             | n.a.        | n.a.        | n.a.        |
| Sarawak           | n.a.        | n.a.        | n.a.        |
| W.P. Kuala Lumpur | 36.7        | 36.9        | 36.1        |
| W.P. Labuan       | 21.0        | 22.3        | 22.4        |
| W.P. Putrajaya    | 63.8        | 63.2        | 63.3        |

Sumber: i. Kementerian Pembangunan Kerajaan Tempatan  
ii. Jabatan Perancangan Bandar dan Desa (PLANMalaysia)  
iii. Jabatan Perangkaan Malaysia  
Source: i. Ministry of Local Government Development  
ii. Department of Town and Country Planning (PLANMalaysia)  
iii. Department of Statistics Malaysia

Nota/ Note :

n.a. tidak berkenaan  
not applicable



**Indikator 11.7.2 :** Peratusan individu yang menjadi mangsa gangguan seksual atau fizikal, mengikut jantina, umur, status kurang upaya dan tempat kejadian, dalam tempoh 12 bulan sebelumnya

*Indicator 11.7.2 :* Proportion of persons victim of physical or sexual harassment, by sex, age, disability status and place of occurrence, in the previous 12 months

**Jadual 11.11a :** Bilangan mangsa gangguan seksual mengikut negeri, Malaysia, 2020-2022 (Proksi)

*Table 11.11a :* Number of sexual harassment victims by state, Malaysia, 2020-2022 (Proxy)

| Negeri<br>State                | 2020       | 2021       | 2022       |
|--------------------------------|------------|------------|------------|
| <b>Malaysia</b>                | <b>378</b> | <b>506</b> | <b>477</b> |
| Johor                          | 35         | 35         | 27         |
| Kedah                          | 18         | 17         | 23         |
| Kelantan                       | 9          | 21         | 11         |
| Melaka                         | 16         | 12         | 21         |
| Negeri Sembilan                | 23         | 29         | 19         |
| Pahang                         | 11         | 14         | 15         |
| Pulau Pinang                   | 27         | 42         | 30         |
| Perak                          | 23         | 29         | 36         |
| Perlis                         | 4          | -          | 7          |
| Selangor                       | 104        | 167        | 127        |
| Terengganu                     | 11         | 11         | 14         |
| Sabah <sup>a</sup>             | 24         | 31         | 36         |
| Sarawak                        | 18         | 18         | 16         |
| W.P. Kuala Lumpur <sup>b</sup> | 55         | 80         | 95         |

Sumber: Polis Diraja Malaysia  
Source: Royal Malaysia Police

**Nota/ Notes :**

1. <sup>a</sup>Termasuk/ Includes W.P. Labuan

2. <sup>b</sup>Termasuk/ Includes W.P. Putrajaya

3. (-) Tiada/ kosong/ tiada kes

Nil/ blank/ no cases



**Indikator 11.7.2 :** Peratusan individu yang menjadi mangsa gangguan seksual atau fizikal, mengikut jantina, umur, status kurang upaya dan tempat kejadian, dalam tempoh 12 bulan sebelumnya

*Indicator 11.7.2 :* Proportion of persons victim of physical or sexual harassment, by sex, age, disability status and place of occurrence, in the previous 12 months

**Jadual 11.11b :** Bilangan mangsa gangguan seksual mengikut jantina, Malaysia, 2020-2022 (Proksi)

*Table 11.11b :* Number of sexual harassment victims by sex, Malaysia, 2020-2022 (Proxy)

| Jantina<br>Sex             | 2020       | 2021       | 2022       |
|----------------------------|------------|------------|------------|
| <b>Malaysia</b>            | <b>378</b> | <b>506</b> | <b>477</b> |
| <b>Lelaki</b><br>Male      | 24         | 67         | 61         |
| <b>Perempuan</b><br>Female | 354        | 439        | 416        |

Sumber: Polis Diraja Malaysia  
Source: Royal Malaysia Police

**Jadual 11.11c :** Bilangan mangsa gangguan seksual mengikut kumpulan umur, Malaysia, 2020-2022 (Proksi)

*Table 11.11c :* Number of sexual harassment victims by age group, Malaysia, 2020-2022 (Proxy)

| Kumpulan Umur<br>Age Group                   | 2020       | 2021       | 2022       |
|----------------------------------------------|------------|------------|------------|
| <b>Jumlah</b><br>Total                       | <b>378</b> | <b>506</b> | <b>477</b> |
| <b>Bawah 16 tahun</b><br>Under 16 years old  | 10         | 16         | 21         |
| <b>16 - 18 tahun</b><br>16 - 18 years old    | 14         | 28         | 26         |
| <b>18 tahun ke atas</b><br>Over 18 years old | 354        | 462        | 430        |

Sumber: Polis Diraja Malaysia  
Source: Royal Malaysia Police

**Indikator dengan penjelasan**  
*Indicators with explanation*

| SASARAN<br>TARGET                                                                                                                                                                                                                                                                                                                                                                       | INDIKATOR<br>INDICATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | KETERSEDIAAN<br>AVAILABILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>11.a Menyokong hubungan ekonomi, sosial dan alam sekitar yang positif antara bandar, persisian bandar dan kawasan luar bandar dengan memperkukuhkan pelan pembangunan nasional dan serantau</b></p> <p><i>Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning</i></p> | <p><b>11.a.1 Bilangan negara yang mempunyai dasar perbandaran negara atau pelan pembangunan wilayah yang (a) bertindak balas terhadap dinamik penduduk; (b) memastikan pembangunan wilayah yang seimbang; dan (c) meningkatkan ruang fiskal tempatan</b></p> <p><i>Number of countries that have national urban policies or regional development plans that (a) respond to population dynamics; (b) ensure balanced territorial development; and (c) increase local fiscal space</i></p> | <p>Dasar Perbandaran Negara Kedua (DPN2) 2016-2025 telah disediakan oleh PLANMalaysia (Jabatan Perancangan Bandar dan Desa) pada tahun 2016 selaras dengan hasrat Kerajaan iaitu untuk mencapai kesejahteraan rakyat dalam menyediakan persekitaran hidup penduduk bandar yang selamat dan selesa serta selari dengan 6 (Enam) Teras Strategik Rancangan Malaysia Kesebelas (RMKe11) dan SDG11 iaitu bagi memastikan bandar-bandar dan penempatan manusia yang inklusif, selamat, berdaya tahan dan mampan. DPN2 merumuskan objektif-objektif pelaksanaan dan strategi-strategi yang mengambil kira perubahan yang telah berlaku dan yang dijangka akan berlaku bagi tempoh 2016-2025.</p> <p><b>Sumber:</b><br/><b>PLANMalaysia</b></p> <p><i>The Second National Municipal Policy (DPN2) 2016-2025 was prepared by PLANMalaysia (Department of Town and Country Planning)) in 2016 in line with the Government's desire to achieve the well-being of the people in providing a safe and comfortable living environment for urban residents and also in line with 6 (Six) Strategic Core of the Eleventh Malaysia Plan (11MP) and SDG11 which is to ensure cities and human settlements that are inclusive, safe, resilient and sustainable. DPN2 formulates implementation objectives and strategies that take into account changes that have occurred and are expected to occur for the period 2016-2025.</i></p> <p><i>Source:</i><br/><i>PLANMalaysia</i></p> |

| SASARAN<br>TARGET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | INDIKATOR<br>INDICATOR                                                                                                                                                                                                                                                                                                                                                            | KETERSEDIAAN<br>AVAILABILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>11.b Menjelang 2020, peningkatan dengan ketara jumlah bandar raya dan penempatan manusia yang mengguna pakai dan melaksanakan dasar dan pelan bersepadu ke arah penyertaan, kecekapan sumber, pengurangan dan penyesuaian kepada perubahan iklim, ketahanan kepada bencana, serta membangunkan dan melaksanakan pengurusan risiko bencana yang holistik pada semua peringkat sejajar dengan Rangka Kerja Sendai untuk Pengurangan Risiko Bencana 2015-2030</b></p> <p><i>By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels</i></p> | <p><b>11.b.1 Bilangan negara yang menerapkan dan melaksanakan strategi pengurangan risiko bencana nasional sejajar dengan Kerangka Kerja Sendai untuk Pengurangan Risiko Bencana 2015-2030</b></p> <p><i>Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030</i></p> | <p>Malaysia mengamalkan dan menerapkan strategi pengurangan risiko bencana kebangsaan</p> <p><b>Sumber:</b><br/><b>Agensi Pengurusan Bencana Negara, Malaysia</b></p> <p><i>Malaysia adopts and implements national disaster risk reduction strategies</i></p> <p><i>Source:</i><br/><i>National Disaster Management Agency, Malaysia</i></p>                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>11.b.2 Peratusan kerajaan tempatan yang menerapkan dan melaksanakan strategi pengurangan risiko bencana tempatan sejajar dengan strategi pengurangan risiko bencana nasional</b></p> <p><i>Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies</i></p>               | <p>Semua negeri di Malaysia telah menerapkan dan melaksanakan strategi pengurangan risiko bencana tempatan. Pada masa akan datang, ia akan diperluas kepada pemerintah daerah</p> <p><b>Sumber:</b><br/><b>Agensi Pengurusan Bencana Negara, Malaysia</b></p> <p><i>All states in Malaysia have adopted and implemented local disaster risk reduction strategies. Moving forward it will be extended to local governments</i></p> <p><i>Source:</i><br/><i>National Disaster Management Agency, Malaysia</i></p> |

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



# BAHAGIAN *PART*

# 4

## Jadual Indikator SDG di Peringkat Daerah

*Table of SDG Indicators  
at District Level*

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



## Introduction

### Pengenalan

Statistik di peringkat daerah adalah sangat penting dalam perancangan ekonomi dan pembangunan sosial di peringkat terkecil. Oleh yang demikian, bahagian ini menyediakan lima indikator di peringkat daerah termasuk satu indikator proksi. Senarai indikator adalah seperti di bawah:

*Statistics at the district level are very important in economic planning and social development at the smallest level. Therefore, this section provides five indicators at district level including one proxy indicator. List of indicators are as follows:*

| Bil. No. | Indikator SDG<br>SDG Indicators |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Jadual Table |
|----------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1        | 7.1.1                           | <b>Peratusan penduduk dengan akses kepada bekalan elektrik</b><br><i>Proportion of population with access to electricity</i>                                                                                                                                                                                                                                                                                                                                                                   | D1           |
| 2        | 7.1.2                           | <b>Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih</b><br><i>Proportion of population with primary reliance on clean fuels and technology</i>                                                                                                                                                                                                                                                                                                               | D2           |
| 3        | 8.5.2                           | <b>Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya</b><br><i>Unemployment rate, by sex, age and persons with disabilities</i>                                                                                                                                                                                                                                                                                                                                                | D3           |
| 4        | 10.2.1                          | <b>Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya</b><br><i>Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities</i>                                                                                                                                                                                                                                       | D4           |
| 5        | 11.6.1                          | <b>Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan</b><br><i>Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated</i><br><br><b>Proksi: Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan</b><br><i>Proxy: Proportion of solid waste recycled out of total solid waste collected</i> | D5           |

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



# 7 AFFORDABLE AND CLEAN ENERGY



Tenaga Mampu Milik dan Bersih  
*Affordable and Clean Energy*

**SDG di Peringkat Daerah**  
**SDG at District Level**

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022**

| (%)                                           |               |                                                      |                                             |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| <b>JOHOR</b>                                  | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Batu Pahat                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Johor Bahru                                   | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kluang                                        | 2016          | 99.9                                                 | 0.1                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kota Tinggi                                   | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Mersing                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Muar                                          | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Pontian                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Segamat                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kulai                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Tangkak                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| <b>KEDAH</b>                                  | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Baling                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Bandar Baharu                                 | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kota Setar                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |               |                                                      |                                             |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Kuala Muda                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kubang Pasu                                   | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kulim                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Langkawi                                      | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Padang Terap                                  | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Sik                                           | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Yan                                           | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Pendang                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Pokok Sena                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| <b>KELANTAN</b>                               | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Bachok                                        | 2016          | 99.8                                                 | 0.2                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kota Bharu                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Machang                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Pasir Mas                                     | 2016          | 99.8                                                 | 0.2                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Pasir Puteh                                   | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |                   |                                                      |                                             |
|-----------------------------------------------|-------------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year     | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Tanah Merah                                   | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
|                                               | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
|                                               | 2016 <sup>a</sup> | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Kuala Krai                                    | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Jeli                                          | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Lojing                                        | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| <b>MELAKA</b>                                 | <b>2016</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Alor Gajah                                    | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Jasin                                         | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Melaka Tengah                                 | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| <b>NEGERI SEMBILAN</b>                        | <b>2016</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Jelevu                                        | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Kuala Pilah                                   | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Port Dickson                                  | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Rembau                                        | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup>Termasuk/ Includes Kecil Lojing

2. Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |               |                                                      |                                             |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Seremban                                      | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Tampin                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Jempol                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| <b>PAHANG</b>                                 | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>99.5</b>                                          | <b>0.5</b>                                  |
| Bentong                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Cameron Highlands                             | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Jerantut                                      | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kuantan                                       | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Lipis                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 93.5                                                 | 6.5                                         |
| Pekan                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Raub                                          | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Temerloh                                      | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Rompin                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 97.8                                                 | 2.2                                         |
| Maran                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Bera                                          | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |                        |                                                |                                          |
|-----------------------------------------------|------------------------|------------------------------------------------|------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year          | Kemudahan bekalan<br>Accessible to electricity | Tiada bekalan elektrik<br>No electricity |
| <b>PULAU PINANG</b>                           | <b>2016</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | <b>2019</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | <b>2022</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | Seberang Perai Tengah  | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 99.9                                     |
|                                               |                        | 2022                                           | 99.9                                     |
|                                               | Seberang Perai Utara   | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Seberang Perai Selatan | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Timur Laut             | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Barat Daya             | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
| <b>PERAK</b>                                  | <b>2016</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | <b>2019</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | <b>2022</b>            | <b>100.0</b>                                   | <b>0.0</b>                               |
|                                               | Batang Padang          | 2016 <sup>a</sup>                              | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Manjung                | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Kinta                  | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Kerian                 | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Kuala Kangsar          | 2016                                           | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Larut dan Matang       | 2016 <sup>b</sup>                              | 100.0                                    |
|                                               |                        | 2019 <sup>b</sup>                              | 99.8                                     |
|                                               |                        | 2022                                           | 100.0                                    |
|                                               | Hilir Perak            | 2016 <sup>c</sup>                              | 100.0                                    |
|                                               |                        | 2019                                           | 100.0                                    |
|                                               |                        | 2022                                           | 100.0                                    |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Muallim

2. <sup>b</sup> Termasuk/ Includes Selama

3. <sup>c</sup> Termasuk/ Includes Bagan Datuk

4. Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |               |                                                      |                                             |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Hulu Perak                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 99.7                                                 | 0.3                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Perak Tengah                                  | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kampar                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Muallim                                       | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Bagan Datuk                                   | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| <b>PERLIS</b>                                 | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| <b>SELANGOR</b>                               | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| Gombak                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Klang                                         | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kuala Langat                                  | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Kuala Selangor                                | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Petaling                                      | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Sabak Bernam                                  | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Sepang                                        | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Ulu Langat                                    | 2016          | 100.0                                                | 0.0                                         |
|                                               | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

Peratus yang ditunjukkan dalam jadual adalah diperoleh daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

|                                               |                   |                                                      |                                             | (%) |
|-----------------------------------------------|-------------------|------------------------------------------------------|---------------------------------------------|-----|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year     | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |     |
| Ulu Selangor                                  | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| <b>TERENGGANU</b>                             | <b>2016</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |     |
|                                               | <b>2019</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |     |
|                                               | <b>2022</b>       | <b>100.0</b>                                         | <b>0.0</b>                                  |     |
| Besut                                         | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Dungun                                        | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Kemaman                                       | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Kuala Terengganu                              | 2016 <sup>a</sup> | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Marang                                        | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Hulu Terengganu                               | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Setiu                                         | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| Kuala Nerus                                   | 2019              | 100.0                                                | 0.0                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |
| <b>SABAH</b>                                  | <b>2016</b>       | <b>99.5</b>                                          | <b>0.5</b>                                  |     |
|                                               | <b>2019</b>       | <b>99.7</b>                                          | <b>0.3</b>                                  |     |
|                                               | <b>2022</b>       | <b>99.0</b>                                          | <b>1.0</b>                                  |     |
| Tawau                                         | 2016 <sup>b</sup> | 99.9                                                 | 0.1                                         |     |
|                                               | 2019 <sup>b</sup> | 99.9                                                 | 0.1                                         |     |
|                                               | 2022              | 99.9                                                 | 0.1                                         |     |
| Lahad Datu                                    | 2016              | 100.0                                                | 0.0                                         |     |
|                                               | 2019              | 99.9                                                 | 0.1                                         |     |
|                                               | 2022              | 99.5                                                 | 0.5                                         |     |
| Semporna                                      | 2016              | 99.7                                                 | 0.3                                         |     |
|                                               | 2019              | 99.7                                                 | 0.3                                         |     |
|                                               | 2022              | 100.0                                                | 0.0                                         |     |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Kuala Nerus

2. <sup>b</sup> Termasuk/ Includes Kalabakan

3. Peratus yang ditunjukkan dalam jadual adalah diperoleh daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

|                                               |                   | (%)                                            |                                          |
|-----------------------------------------------|-------------------|------------------------------------------------|------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year     | Kemudahan bekalan<br>Accessible to electricity | Tiada bekalan elektrik<br>No electricity |
| Sandakan                                      | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 99.9                                           | 0.1                                      |
|                                               | 2022              | 99.5                                           | 0.5                                      |
| Kinabatangan                                  | 2016              | 99.5                                           | 0.5                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 91.1                                           | 8.9                                      |
| Beluran                                       | 2016 <sup>a</sup> | 91.3                                           | 8.7                                      |
|                                               | 2019              | 95.7                                           | 4.3                                      |
|                                               | 2022              | 83.4                                           | 16.6                                     |
| Kota Kinabalu                                 | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 99.9                                           | 0.1                                      |
|                                               | 2022              | 99.8                                           | 0.2                                      |
| Ranau                                         | 2016              | 99.1                                           | 0.9                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 94.7                                           | 53.0                                     |
| Kota Belud                                    | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 99.7                                           | 0.3                                      |
|                                               | 2022              | 100.0                                          | 0.0                                      |
| Tuaran                                        | 2016              | 99.6                                           | 0.4                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 100.0                                          | 0.0                                      |
| Penampang                                     | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 99.3                                           | 0.7                                      |
| Papar                                         | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 99.8                                           | 0.2                                      |
| Kudat                                         | 2016              | 98.1                                           | 1.9                                      |
|                                               | 2019              | 98.8                                           | 1.2                                      |
|                                               | 2022              | 96.4                                           | 3.6                                      |
| Kota Marudu                                   | 2016              | 98.5                                           | 1.5                                      |
|                                               | 2019              | 99.3                                           | 0.7                                      |
|                                               | 2022              | 99.6                                           | 0.4                                      |
| Pitas                                         | 2016              | 98.6                                           | 1.4                                      |
|                                               | 2019              | 98.6                                           | 1.4                                      |
|                                               | 2022              | 98.2                                           | 1.8                                      |
| Beaufort                                      | 2016              | 99.7                                           | 0.3                                      |
|                                               | 2019              | 99.6                                           | 0.4                                      |
|                                               | 2022              | 99.7                                           | 0.3                                      |
| Kuala Penyu                                   | 2016              | 100.0                                          | 0.0                                      |
|                                               | 2019              | 100.0                                          | 0.0                                      |
|                                               | 2022              | 100.0                                          | 0.0                                      |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Note :

1. <sup>a</sup>Termasuk/ Includes Telupid

2. Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

|                                               |               |                                                      |                                             | (%) |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|-----|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |     |
| Sipitang                                      | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Tenom                                         | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Nabawan                                       | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 95.8                                                 | 4.2                                         |     |
| Keningau                                      | 2016          | 99.1                                                 | 0.9                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 99.8                                                 | 0.2                                         |     |
| Tambunan                                      | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Kunak                                         | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 97.0                                                 | 3.0                                         |     |
| Tongod                                        | 2016          | 93.2                                                 | 6.8                                         |     |
|                                               | 2019          | 91.0                                                 | 9.0                                         |     |
|                                               | 2022          | 95.8                                                 | 4.2                                         |     |
| Putatan                                       | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Telupid                                       | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| <b>SARAWAK</b>                                | <b>2016</b>   | <b>99.6</b>                                          | <b>0.4</b>                                  |     |
|                                               | <b>2019</b>   | <b>99.8</b>                                          | <b>0.2</b>                                  |     |
|                                               | <b>2022</b>   | <b>97.8</b>                                          | <b>2.2</b>                                  |     |
| Kuching                                       | 2016          | 99.9                                                 | 0.1                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Bau                                           | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 99.6                                                 | 0.4                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Lundu                                         | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 100.0                                                | 0.0                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |
| Samarahan                                     | 2016          | 100.0                                                | 0.0                                         |     |
|                                               | 2019          | 99.8                                                 | 0.2                                         |     |
|                                               | 2022          | 100.0                                                | 0.0                                         |     |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Note :

Peratus yang ditunjukkan dalam jadual adalah diperoleh daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |                   |                                                      |                                             |
|-----------------------------------------------|-------------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year     | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Serian                                        | 2016 <sup>a</sup> | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.4                                                 | 0.6                                         |
|                                               | 2022              | 99.0                                                 | 1.0                                         |
| Simunjan                                      | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.5                                                 | 0.5                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Sri Aman                                      | 2016              | 99.4                                                 | 0.6                                         |
|                                               | 2019              | 99.6                                                 | 0.4                                         |
|                                               | 2022              | 97.9                                                 | 2.1                                         |
| Lubok Antu                                    | 2016              | 96.5                                                 | 3.5                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 95.1                                                 | 4.9                                         |
| Betong                                        | 2016 <sup>b</sup> | 99.6                                                 | 0.4                                         |
|                                               | 2019              | 99.6                                                 | 0.4                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Saratok                                       | 2016 <sup>c</sup> | 99.6                                                 | 0.4                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Sarikei                                       | 2016              | 99.4                                                 | 0.6                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Maradong                                      | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.4                                                 | 0.6                                         |
|                                               | 2022              | 99.5                                                 | 0.5                                         |
| Daro                                          | 2016 <sup>d</sup> | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 97.5                                                 | 2.5                                         |
| Julau                                         | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 93.6                                                 | 6.4                                         |
| Sibu                                          | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Dalat                                         | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 93.7                                                 | 6.3                                         |
| Mukah                                         | 2016              | 99.0                                                 | 1.0                                         |
|                                               | 2019              | 99.6                                                 | 0.4                                         |
|                                               | 2022              | 97.2                                                 | 2.8                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Tebedu

2. <sup>b</sup> Termasuk/ Includes Pusa

3. <sup>c</sup> Termasuk/ Includes Kabong

4. <sup>d</sup> Termasuk/ Includes Tanjung Manis

5. Peratus yang ditunjukkan dalam jadual adalah diperoleh daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

| (%)                                           |                   |                                                      |                                             |
|-----------------------------------------------|-------------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year     | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Kanowit                                       | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.1                                                 | 0.9                                         |
|                                               | 2022              | 93.7                                                 | 6.3                                         |
| Bintulu                                       | 2016 <sup>a</sup> | 99.7                                                 | 0.3                                         |
|                                               | 2019              | 99.9                                                 | 0.1                                         |
|                                               | 2022              | 98.1                                                 | 1.9                                         |
| Tatau                                         | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 77.8                                                 | 22.2                                        |
| Kapit                                         | 2016 <sup>b</sup> | 99.2                                                 | 0.8                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 88.8                                                 | 11.2                                        |
| Song                                          | 2016              | 98.2                                                 | 1.8                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 78.1                                                 | 21.9                                        |
| Belaga                                        | 2016              | 98.2                                                 | 1.8                                         |
|                                               | 2019              | 99.1                                                 | 0.9                                         |
|                                               | 2022              | 91.8                                                 | 8.2                                         |
| Miri                                          | 2016 <sup>c</sup> | 99.8                                                 | 0.2                                         |
|                                               | 2019              | 99.7                                                 | 0.3                                         |
|                                               | 2022              | 96.3                                                 | 3.7                                         |
| Marudi                                        | 2016 <sup>d</sup> | 98.3                                                 | 1.7                                         |
|                                               | 2019              | 99.5                                                 | 0.5                                         |
|                                               | 2022              | 95.7                                                 | 4.3                                         |
| Limbang                                       | 2016              | 98.3                                                 | 1.7                                         |
|                                               | 2019              | 98.4                                                 | 1.6                                         |
|                                               | 2022              | 98.4                                                 | 1.6                                         |
| Lawas                                         | 2016              | 97.8                                                 | 2.2                                         |
|                                               | 2019              | 99.6                                                 | 0.4                                         |
|                                               | 2022              | 98.4                                                 | 1.6                                         |
| Matu                                          | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.3                                                 | 0.7                                         |
|                                               | 2022              | 93.8                                                 | 6.2                                         |
| Asajaya                                       | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 99.4                                                 | 0.6                                         |
|                                               | 2022              | 100.0                                                | 0.0                                         |
| Pakan                                         | 2016              | 100.0                                                | 0.0                                         |
|                                               | 2019              | 100.0                                                | 0.0                                         |
|                                               | 2022              | 96.1                                                 | 3.9                                         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Notes :**

1. <sup>a</sup> Termasuk/ Includes Sebauh

2. <sup>b</sup> Termasuk/ Includes Bukit Mabong

3. <sup>c</sup> Termasuk/ Includes Subis

4. <sup>d</sup> Termasuk/ Includes Beluru dan/ dan Telang Usan

5. Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.1 : Peratusan penduduk dengan akses kepada bekalan elektrik**

**Indicator 7.1.1 : Proportion of population with access to electricity**

**Jadual D1 : Peratusan isi rumah mengikut kemudahan bekalan elektrik, negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)**

**Table D1 : Percentage of households by electricity supply facilities, state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)**

|                                               |               | (%)                                                  |                                             |
|-----------------------------------------------|---------------|------------------------------------------------------|---------------------------------------------|
| Daerah pentadbiran<br>Administrative district | Tahun<br>Year | Kemudahan<br>bekalan<br>Accessible to<br>electricity | Tiada bekalan<br>elektrik<br>No electricity |
| Selangau                                      | 2016          | 97.7                                                 | 2.3                                         |
|                                               | 2019          | 98.9                                                 | 1.1                                         |
|                                               | 2022          | 93.3                                                 | 6.7                                         |
| Tebedu                                        | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 91.4                                                 | 8.6                                         |
| Pusa                                          | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 95.7                                                 | 4.3                                         |
| Kabong                                        | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Tanjung Manis                                 | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Sebauh                                        | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Bukit Mabong                                  | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 40.2                                                 | 59.8                                        |
| Subis                                         | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Beluru                                        | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 100.0                                                | 0.0                                         |
| Telang Usan                                   | 2019          | 100.0                                                | 0.0                                         |
|                                               | 2022          | 92.8                                                 | 7.2                                         |
| <b>W.P. KUALA LUMPUR</b>                      | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| <b>W.P. LABUAN</b>                            | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
| <b>W.P. PUTRAJAYA</b>                         | <b>2016</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2019</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |
|                                               | <b>2022</b>   | <b>100.0</b>                                         | <b>0.0</b>                                  |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

Peratus yang ditunjukkan dalam jadual adalah diperolehi daripada angka sebenar dan tidak semestinya memberikan jumlah genap 100 peratus disebabkan pembundaran, walaupun jumlah yang ditunjukkan adalah 100 peratus.

The percentages shown in the table are obtained from actual figures and do not necessarily give an even number of 100 per cent due to rounding, although the number shown is 100 per cent



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**  
*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual D2 : Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022**

*Table D2 : Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022 (%)*

| Daerah pentadbiran<br>Administrative district | 2019        | 2022        |
|-----------------------------------------------|-------------|-------------|
| <b>JOHOR</b>                                  | <b>98.0</b> | <b>99.4</b> |
| Batu Pahat                                    | 97.9        | 99.1        |
| Johor Bahru                                   | 97.8        | 99.5        |
| Kluang                                        | 99.1        | 99.4        |
| Kota Tinggi                                   | 98.7        | 99.0        |
| Mersing                                       | 97.7        | 99.2        |
| Muar                                          | 96.3        | 99.5        |
| Pontian                                       | 97.8        | 98.8        |
| Segamat                                       | 99.3        | 99.2        |
| Kulai                                         | 98.8        | 99.4        |
| Tangkak                                       | 95.9        | 98.9        |
| <b>KEDAH</b>                                  | <b>98.6</b> | <b>99.2</b> |
| Baling                                        | 98.5        | 99.5        |
| Bandar Baharu                                 | 97.8        | 100.0       |
| Kota Setar                                    | 98.7        | 98.0        |
| Kuala Muda                                    | 99.2        | 99.4        |
| Kubang Pasu                                   | 98.7        | 99.7        |
| Kulim                                         | 98.5        | 100.0       |
| Langkawi                                      | 92.7        | 99.2        |
| Padang Terap                                  | 99.5        | 96.2        |
| Sik                                           | 99.5        | 100.0       |
| Yan                                           | 99.7        | 98.6        |
| Pendang                                       | 99.7        | 100.0       |
| Pokok Sena                                    | 99.8        | 100.0       |
| <b>KELANTAN</b>                               | <b>99.6</b> | <b>98.9</b> |
| Bachok                                        | 100.0       | 98.1        |
| Kota Bharu                                    | 99.4        | 99.4        |
| Machang                                       | 100.0       | 99.4        |
| Pasir Mas                                     | 99.7        | 99.0        |
| Pasir Puteh                                   | 99.5        | 99.0        |
| Tanah Merah                                   | 99.8        | 99.0        |
| Tumpat                                        | 99.4        | 99.6        |
| Gua Musang                                    | 99.4        | 98.8        |
| Kuala Krai                                    | 99.6        | 96.9        |
| Jeli                                          | 98.6        | 98.7        |
| Kecil Lojing                                  | 100.0       | 87.5        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**  
*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual D2 : Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022 (samb.)**

*Table D2 : Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022 (cont'd)*

|                                | (%)         |             |
|--------------------------------|-------------|-------------|
| <b>Daerah pentadbiran</b>      | <b>2019</b> | <b>2022</b> |
| <i>Administrative district</i> |             |             |
| <b>MELAKA</b>                  | <b>97.0</b> | <b>97.6</b> |
| Alor Gajah                     | 97.1        | 98.4        |
| Jasin                          | 97.2        | 98.0        |
| Melaka Tengah                  | 96.8        | 97.1        |
| <b>NEGERI SEMBILAN</b>         | <b>98.6</b> | <b>99.2</b> |
| Jelebu                         | 98.7        | 97.6        |
| Kuala Pilah                    | 98.9        | 99.5        |
| Port Dickson                   | 97.6        | 98.9        |
| Rembau                         | 99.0        | 100.0       |
| Seremban                       | 98.7        | 99.3        |
| Tampin                         | 98.6        | 99.2        |
| Jempol                         | 99.0        | 99.1        |
| <b>PAHANG</b>                  | <b>95.4</b> | <b>98.5</b> |
| Bentong                        | 97.1        | 98.6        |
| Cameron Highlands              | 95.1        | 98.0        |
| Jerantut                       | 97.5        | 99.2        |
| Kuantan                        | 93.7        | 99.2        |
| Lipis                          | 95.9        | 98.1        |
| Pekan                          | 94.4        | 97.1        |
| Raub                           | 96.9        | 98.5        |
| Temerloh                       | 97.1        | 98.9        |
| Rompin                         | 95.8        | 99.5        |
| Maran                          | 96.1        | 97.3        |
| Bera                           | 95.3        | 98.5        |
| <b>PULAU PINANG</b>            | <b>97.6</b> | <b>98.3</b> |
| Seberang Perai Tengah          | 97.5        | 98.7        |
| Seberang Perai Utara           | 97.7        | 99.0        |
| Seberang Perai Selatan         | 98.1        | 98.7        |
| Timur Laut                     | 97.8        | 97.5        |
| Barat Daya                     | 96.7        | 98.2        |
| <b>PERAK</b>                   | <b>96.9</b> | <b>99.9</b> |
| Batang Padang                  | 94.8        | 100.0       |
| Manjung                        | 96.6        | 99.7        |
| Kinta                          | 96.8        | 99.9        |
| Kerian                         | 98.4        | 99.7        |
| Kuala Kangsar                  | 98.2        | 100.0       |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**  
*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual D2 : Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022 (samb.)**

*Table D2 : Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022 (cont'd)*

|                                                             | (%)               |             |
|-------------------------------------------------------------|-------------------|-------------|
| <b>Daerah pentadbiran</b><br><i>Administrative district</i> | <b>2019</b>       | <b>2022</b> |
| Larut dan Matang                                            | 98.5 <sup>a</sup> | 100.0       |
| Hilir Perak                                                 | 97.2              | 99.5        |
| Hulu Perak                                                  | 93.5              | 100.0       |
| Perak Tengah                                                | 99.0              | 99.8        |
| Kampar                                                      | 93.9              | 99.7        |
| Muallim                                                     | 95.8              | 100.0       |
| Bagan Datuk                                                 | 94.5              | 100.0       |
| Selama                                                      | n.a.              | 100.0       |
| <b>PERLIS</b>                                               | <b>96.4</b>       | <b>99.6</b> |
| <b>SELANGOR</b>                                             | <b>97.9</b>       | <b>98.5</b> |
| Gombak                                                      | 97.8              | 99.6        |
| Klang                                                       | 98.3              | 98.7        |
| Kuala Langat                                                | 97.9              | 98.6        |
| Kuala Selangor                                              | 99.0              | 99.2        |
| Petaling                                                    | 97.7              | 98.6        |
| Sabak Bernam                                                | 99.1              | 97.6        |
| Sepang                                                      | 97.8              | 94.2        |
| Hulu Langat                                                 | 97.8              | 98.4        |
| Hulu Selangor                                               | 98.4              | 100.0       |
| <b>TERENGGANU</b>                                           | <b>97.4</b>       | <b>98.5</b> |
| Besut                                                       | 98.1              | 98.8        |
| Dungun                                                      | 95.5              | 98.9        |
| Kemaman                                                     | 98.7              | 99.0        |
| Kuala Terengganu                                            | 96.7              | 98.3        |
| Marang                                                      | 96.9              | 98.1        |
| Hulu Terengganu                                             | 97.4              | 94.8        |
| Setiu                                                       | 98.1              | 99.6        |
| Kuala Nerus                                                 | 97.9              | 99.1        |
| <b>SABAH</b>                                                | <b>96.3</b>       | <b>98.4</b> |
| Tawau                                                       | 98.3 <sup>b</sup> | 98.0        |
| Lahad Datu                                                  | 95.5              | 98.7        |
| Semporna                                                    | 98.3              | 99.2        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
*Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia*

**Nota/ Note :**

- <sup>a</sup> **Termasuk/ Includes Selama**
- <sup>b</sup> **Termasuk/ Includes Kalabakan**
- n.a. tidak berkenaan**  
*not applicable*



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**  
*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual D2 : Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022 (samb.)**

*Table D2 : Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022 (cont'd)*

|                                | (%)         |             |
|--------------------------------|-------------|-------------|
| <b>Daerah pentadbiran</b>      | <b>2019</b> | <b>2022</b> |
| <i>Administrative district</i> |             |             |
| Sandakan                       | 95.6        | 99.3        |
| Kinabatangan                   | 95.1        | 97.4        |
| Beluran                        | 94.4        | 96.4        |
| Kota Kinabalu                  | 96.2        | 98.2        |
| Ranau                          | 97.1        | 98.8        |
| Kota Belud                     | 96.5        | 98.1        |
| Tuaran                         | 97.7        | 97.5        |
| Penampang                      | 95.1        | 98.7        |
| Papar                          | 95.1        | 98.3        |
| Kudat                          | 94.4        | 96.8        |
| Kota Marudu                    | 91.7        | 98.5        |
| Pitas                          | 94.9        | 97.6        |
| Beaufort                       | 97.1        | 99.3        |
| Kuala Penyu                    | 96.1        | 99.3        |
| Sipitang                       | 96.2        | 100.0       |
| Tenom                          | 98.6        | 97.9        |
| Nabawan                        | 92.2        | 100.0       |
| Keningau                       | 97.6        | 98.7        |
| Tambunan                       | 95.5        | 97.0        |
| Kunak                          | 95.7        | 100.0       |
| Tongod                         | 97.5        | 100.0       |
| Putatan                        | 97.7        | 98.2        |
| Telupid                        | 96.5        | 96.7        |
| Kalabakan                      | n.a.        | 98.9        |
| <b>SARAWAK</b>                 | <b>96.7</b> | <b>98.9</b> |
| Kuching                        | 97.5        | 98.3        |
| Bau                            | 98.1        | 99.6        |
| Lundu                          | 96.4        | 99.5        |
| Samarahan                      | 97.8        | 99.1        |
| Serian                         | 98.7        | 99.1        |
| Simunjan                       | 96.7        | 99.0        |
| Sri Aman                       | 98.2        | 97.7        |
| Lubok Antu                     | 99.3        | 99.4        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Nota/ Note :**

**n.a. tidak berkenaan**  
*not applicable*



**Indikator 7.1.2 : Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih**

*Indicator 7.1.2 : Proportion of population with primary reliance on clean fuels and technology*

**Jadual D2 : Peratusan isi rumah yang memiliki dapur masak gas/ elektrik mengikut negeri, daerah pentadbiran, Malaysia 2019 dan 2022 (samb.)**

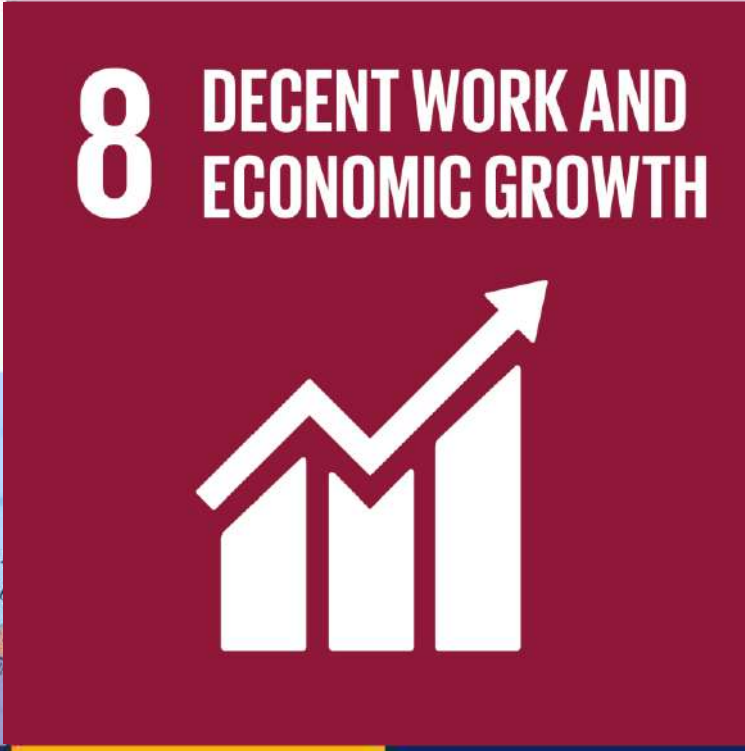
*Table D2 : Percentage of households who owns gas/ electric stove by state and administrative district, 2019 and 2022 (cont'd)*

|                                | (%)         |             |
|--------------------------------|-------------|-------------|
| <b>Daerah pentadbiran</b>      | <b>2019</b> | <b>2022</b> |
| <i>Administrative district</i> |             |             |
| Betong                         | 98.1        | 98.6        |
| Saratok                        | 98.2        | 99.6        |
| Sarikei                        | 97.4        | 99.7        |
| Maradong                       | 98.2        | 99.5        |
| Daro                           | 99.5        | 99.0        |
| Julau                          | 98.4        | 100.0       |
| Sibu                           | 98.3        | 99.0        |
| Dalat                          | 97.6        | 100.0       |
| Mukah                          | 98.2        | 99.1        |
| Kanowit                        | 97.3        | 100.0       |
| Bintulu                        | 98.0        | 98.1        |
| Tatau                          | 96.4        | 94.8        |
| Kapit                          | 95.7        | 99.7        |
| Song                           | 98.3        | 100.0       |
| Belaga                         | 96.8        | 99.6        |
| Miri                           | 88.4        | 99.4        |
| Marudi                         | 97.7        | 99.0        |
| Limbang                        | 97.4        | 99.6        |
| Lawas                          | 96.8        | 99.6        |
| Matu                           | 99.3        | 100.0       |
| Asajaya                        | 97.5        | 100.0       |
| Pakan                          | 97.4        | 99.0        |
| Selangau                       | 95.2        | 95.0        |
| Pusa                           | 95.5        | 100.0       |
| Kabong                         | 100.0       | 98.9        |
| Tanjung Manis                  | 97.8        | 97.8        |
| Sebauh                         | 88.5        | 95.2        |
| Subis                          | 97.5        | 100.0       |
| Tebedu                         | 98.9        | 100.0       |
| Bukit Mabong                   | 97.8        | 100.0       |
| Beluru                         | 98.9        | 100.0       |
| Telang Usan                    | 100.0       | 100.0       |
| <b>W.P. KUALA LUMPUR</b>       | <b>97.8</b> | <b>98.8</b> |
| <b>W.P. LABUAN</b>             | <b>96.9</b> | <b>96.4</b> |
| <b>W.P. PUTRAJAYA</b>          | <b>98.6</b> | <b>99.2</b> |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Pekerjaan yang Sesuai dan Pertumbuhan Ekonomi**  
*Decent Work and Economic Growth*

**SDG di Peringkat Daerah**  
*SDG at District Level*

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual D3 : Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022**

*Table D3 : Unemployment rate by state and administrative district, Malaysia, 2020-2022*

(%)

| Daerah pentadbiran<br>Administrative district | 2020       | 2021                   | 2022       |
|-----------------------------------------------|------------|------------------------|------------|
| <b>JOHOR</b>                                  | <b>3.5</b> | <b>3.8<sup>r</sup></b> | <b>3.3</b> |
| Batu Pahat                                    | 2.1        | 2.3 <sup>r</sup>       | 1.8        |
| Johor Bahru                                   | 4.0        | 4.2                    | 3.7        |
| Kluang                                        | 4.2        | 4.6 <sup>r</sup>       | 4.0        |
| Kota Tinggi                                   | 3.4        | 4.0                    | 3.5        |
| Mersing                                       | 3.3        | 3.6 <sup>r</sup>       | 3.0        |
| Muar                                          | 2.3        | 2.6                    | 2.3        |
| Pontian                                       | 4.0        | 4.7 <sup>r</sup>       | 3.6        |
| Segamat                                       | 3.6        | 4.0                    | 3.6        |
| Kulai                                         | 3.4        | 3.7                    | 3.3        |
| Tangkak                                       | 2.7        | 3.1 <sup>r</sup>       | 2.5        |
| <b>KEDAH</b>                                  | <b>4.2</b> | <b>3.9</b>             | <b>3.0</b> |
| Baling                                        | 3.8        | 3.1                    | 2.2        |
| Bandar Baharu                                 | 4.6        | 4.2                    | 3.1        |
| Kota Setar                                    | 5.1        | 4.7                    | 3.8        |
| Kuala Muda                                    | 3.7        | 3.4                    | 2.6        |
| Kubang Pasu                                   | 3.9        | 3.7                    | 2.8        |
| Kulim                                         | 3.5        | 3.1                    | 2.2        |
| Langkawi                                      | 6.9        | 7.3                    | 5.8        |
| Padang Terap                                  | 4.0        | 3.6                    | 3.1        |
| Sik                                           | 3.1        | 3.3                    | 2.4        |
| Yan                                           | 2.7        | 3.1                    | 2.3        |
| Pendang                                       | 4.7        | 5.5                    | 4.3        |
| Pokok Sena                                    | 4.7        | 4.1                    | 3.1        |
| <b>KELANTAN</b>                               | <b>4.3</b> | <b>4.2</b>             | <b>3.7</b> |
| Bachok                                        | 3.8        | 3.8                    | 3.4        |
| Kota Bharu                                    | 5.4        | 5.2                    | 4.6        |
| Machang                                       | 5.5        | 5.7                    | 5.1        |
| Pasir Mas                                     | 4.6        | 4.6                    | 4.0        |
| Pasir Puteh                                   | 3.1        | 3.2                    | 2.8        |
| Tanah Merah                                   | 3.0        | 2.9                    | 2.5        |
| Tumpat                                        | 3.3        | 3.1                    | 2.8        |
| Gua Musang <sup>a</sup>                       | 4.4        | 4.4                    | 3.9        |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia

**Nota/ Note :**

**1. <sup>a</sup> Termasuk/ Includes Kecil Lojing**

**2. <sup>r</sup> Dikemaskini**

*Revised*



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual D3 : Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022 (samb.)**

*Table D3 : Unemployment rate by state and administrative district, Malaysia, 2020-2022 (cont'd)*

(%)

| Daerah pentadbiran<br><i>Administrative district</i> | 2020       | 2021       | 2022       |
|------------------------------------------------------|------------|------------|------------|
| Kuala Krai                                           | 2.5        | 2.4        | 2.1        |
| Jeli                                                 | 3.0        | 3.1        | 2.7        |
| <b>MELAKA</b>                                        | <b>2.2</b> | <b>2.0</b> | <b>1.6</b> |
| Alor Gajah                                           | 2.8        | 3.7        | 2.7        |
| Jasin                                                | 1.6        | 1.3        | 1.2        |
| Melaka Tengah                                        | 2.1        | 1.6        | 1.2        |
| <b>NEGERI SEMBILAN</b>                               | <b>3.8</b> | <b>4.2</b> | <b>3.7</b> |
| Jelebu                                               | 4.3        | 3.9        | 3.7        |
| Kuala Pilah                                          | 4.5        | 4.9        | 4.5        |
| Port Dickson                                         | 4.6        | 5.0        | 3.9        |
| Rembau                                               | 4.0        | 3.7        | 3.6        |
| Seremban                                             | 3.5        | 3.9        | 3.4        |
| Tampin                                               | 3.8        | 4.2        | 3.8        |
| Jempol                                               | 3.8        | 4.4        | 4.2        |
| <b>PAHANG</b>                                        | <b>3.1</b> | <b>3.3</b> | <b>2.5</b> |
| Bentong                                              | 3.2        | 2.9        | 2.1        |
| Cameron Highlands                                    | 3.1        | 2.9        | 2.0        |
| Jerantut                                             | 3.9        | 4.5        | 3.8        |
| Kuantan                                              | 2.9        | 3.0        | 2.2        |
| Lipis                                                | 2.9        | 2.6        | 1.7        |
| Pekan                                                | 3.1        | 3.3        | 2.7        |
| Raub                                                 | 3.6        | 3.6        | 3.2        |
| Temerloh                                             | 3.6        | 3.6        | 2.8        |
| Rompin                                               | 2.9        | 3.2        | 2.5        |
| Maran                                                | 2.5        | 3.0        | 2.2        |
| Bera                                                 | 3.6        | 4.3        | 3.6        |
| <b>PULAU PINANG</b>                                  | <b>3.5</b> | <b>3.6</b> | <b>2.8</b> |
| Seberang Perai Tengah                                | 2.8        | 3.8        | 2.7        |
| Seberang Perai Utara                                 | 4.1        | 4.6        | 3.7        |
| Seberang Perai Selatan                               | 3.7        | 5.0        | 4.3        |
| Timur Laut                                           | 3.9        | 3.0        | 2.1        |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual D3 : Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022 (samb.)**

*Table D3 : Unemployment rate by state and administrative district, Malaysia, 2020-2022 (cont'd)*

(%)

| Daerah pentadbiran<br>Administrative district | 2020       | 2021       | 2022       |
|-----------------------------------------------|------------|------------|------------|
| Barat Daya                                    | 3.3        | 2.3        | 1.6        |
| <b>PERAK</b>                                  | <b>4.8</b> | <b>5.3</b> | <b>4.6</b> |
| Batang Padang <sup>a</sup>                    | 3.7        | 3.3        | 2.0        |
| Manjung                                       | 4.9        | 5.8        | 5.3        |
| Kinta                                         | 4.6        | 5.2        | 4.7        |
| Kerian                                        | 5.4        | 6.0        | 5.2        |
| Kuala Kangsar                                 | 5.3        | 6.0        | 5.6        |
| Larut dan Matang                              | 5.4        | 6.2        | 5.9        |
| Hilir Perak <sup>b</sup>                      | 5.5        | 4.8        | 4.5        |
| Hulu Perak                                    | 4.0        | 3.7        | 2.5        |
| Perak Tengah                                  | 5.1        | 5.9        | 5.4        |
| Kampar                                        | 4.0        | 4.6        | 3.2        |
| <b>PERLIS</b>                                 | <b>4.3</b> | <b>4.3</b> | <b>3.9</b> |
| <b>SELANGOR</b>                               | <b>4.3</b> | <b>4.3</b> | <b>3.6</b> |
| Gombak                                        | 4.8        | 5.8        | 4.5        |
| Klang                                         | 3.7        | 4.9        | 4.2        |
| Kuala Langat                                  | 2.8        | 3.3        | 2.5        |
| Kuala Selangor                                | 5.1        | 4.3        | 4.1        |
| Petaling                                      | 4.3        | 3.7        | 3.1        |
| Sabak Bernam                                  | 2.7        | 3.9        | 3.0        |
| Sepang                                        | 4.3        | 5.6        | 4.0        |
| Hulu Langat                                   | 5.2        | 4.1        | 3.6        |
| Hulu Selangor                                 | 2.1        | 3.3        | 2.7        |
| <b>TERENGGANU</b>                             | <b>4.1</b> | <b>4.0</b> | <b>3.6</b> |
| Besut                                         | 3.9        | 4.4        | 4.0        |
| Dungun                                        | 4.0        | 3.9        | 3.6        |
| Kemaman                                       | 3.8        | 3.7        | 3.1        |
| Kuala Terengganu <sup>c</sup>                 | 4.5        | 4.0        | 3.8        |
| Marang                                        | 3.5        | 3.8        | 3.1        |
| Hulu Terengganu                               | 3.6        | 4.0        | 3.9        |
| Setiu                                         | 4.7        | 5.0        | 4.1        |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Muallim

2. <sup>b</sup> Termasuk/ Includes Bagan Datuk

3. <sup>c</sup> Termasuk/ Includes Kuala Nerus



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual D3 : Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022 (samb.)**

*Table D3 : Unemployment rate by state and administrative district, Malaysia, 2020-2022 (cont'd)*

(%)

| Daerah pentadbiran<br>Administrative district | 2020       | 2021       | 2022       |
|-----------------------------------------------|------------|------------|------------|
| <b>SABAH</b>                                  | <b>8.0</b> | <b>8.2</b> | <b>7.5</b> |
| Tawau                                         | 7.1        | 8.1        | 7.7        |
| Lahad Datu                                    | 9.4        | 10.0       | 9.5        |
| Semporna                                      | 9.6        | 9.7        | 9.2        |
| Sandakan                                      | 8.4        | 8.3        | 7.6        |
| Kinabatangan                                  | 9.9        | 9.2        | 8.4        |
| Beluran <sup>a</sup>                          | 9.2        | 8.3        | 7.3        |
| Kota Kinabalu                                 | 7.3        | 7.6        | 6.8        |
| Ranau                                         | 8.7        | 9.3        | 8.5        |
| Kota Belud                                    | 9.2        | 9.3        | 8.4        |
| Tuaran                                        | 5.1        | 5.2        | 4.5        |
| Penampang                                     | 9.2        | 9.9        | 9.3        |
| Papar                                         | 7.3        | 7.2        | 6.7        |
| Kudat                                         | 8.5        | 8.0        | 7.0        |
| Kota Marudu                                   | 8.2        | 8.2        | 7.3        |
| Pitas                                         | 9.0        | 9.3        | 8.4        |
| Beaufort                                      | 5.4        | 5.8        | 4.8        |
| Kuala Penyu                                   | 7.9        | 7.2        | 6.4        |
| Sipitang                                      | 6.2        | 6.7        | 5.9        |
| Tenom                                         | 5.8        | 6.4        | 5.8        |
| Nabawan                                       | 9.9        | 9.7        | 8.8        |
| Keningau                                      | 7.4        | 6.4        | 5.6        |
| Tambunan                                      | 5.2        | 5.4        | 4.8        |
| Kunak                                         | 9.2        | 9.6        | 8.8        |
| Tongod                                        | 8.9        | 8.6        | 7.7        |
| Putatan                                       | 7.8        | 8.2        | 7.3        |
| <b>SARAWAK</b>                                | <b>4.3</b> | <b>4.5</b> | <b>3.7</b> |
| Kuching                                       | 4.8        | 4.3        | 3.3        |
| Bau                                           | 3.1        | 3.6        | 3.3        |
| Lundu                                         | 2.8        | 4.2        | 3.5        |
| Samarahan                                     | 5.2        | 6.1        | 5.3        |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia

**Nota/ Note :**

<sup>a</sup>Termasuk/ Includes Telupid



**Indikator 8.5.2 : Kadar pengangguran, mengikut jantina, umur dan orang kurang upaya**

*Indicator 8.5.2 : Unemployment rate, by sex, age and persons with disabilities*

**Jadual D3 : Kadar pengangguran mengikut negeri dan daerah pentadbiran, Malaysia, 2020-2022 (samb.)**

*Table D3 : Unemployment rate by state and administrative district, Malaysia, 2020-2022 (cont'd)*

(%)

| Daerah pentadbiran<br><i>Administrative district</i> | 2020       | 2021       | 2022       |
|------------------------------------------------------|------------|------------|------------|
| Serian <sup>a</sup>                                  | 4.7        | 5.8        | 5.4        |
| Simunjan                                             | 4.7        | 5.5        | 4.6        |
| Sri Aman                                             | 3.3        | 2.7        | 2.2        |
| Lubok Antu                                           | 3.6        | 5.1        | 4.6        |
| Betong <sup>b</sup>                                  | 4.4        | 5.0        | 4.1        |
| Saratok <sup>c</sup>                                 | 4.1        | 3.3        | 2.4        |
| Sarikei                                              | 4.5        | 5.0        | 4.2        |
| Maradong                                             | 5.4        | 5.7        | 5.2        |
| Daro <sup>d</sup>                                    | 3.9        | 4.7        | 4.1        |
| Julau                                                | 3.7        | 5.5        | 4.7        |
| Sibu                                                 | 5.7        | 5.9        | 5.1        |
| Dalat                                                | 5.2        | 4.6        | 4.0        |
| Mukah                                                | 2.9        | 4.5        | 3.9        |
| Kanowit                                              | 5.2        | 5.3        | 5.1        |
| Bintulu <sup>e</sup>                                 | 3.1        | 3.4        | 2.5        |
| Tatau                                                | 4.1        | 4.6        | 4.1        |
| Kapit <sup>f</sup>                                   | 6.1        | 5.5        | 5.3        |
| Song                                                 | 5.5        | 6.3        | 5.7        |
| Belaga                                               | 4.4        | 4.2        | 3.3        |
| Miri <sup>g</sup>                                    | 3.3        | 3.8        | 3.0        |
| Marudi <sup>h</sup>                                  | 3.7        | 3.1        | 2.6        |
| Limbang                                              | 5.2        | 4.5        | 3.7        |
| Lawas                                                | 5.3        | 5.3        | 4.5        |
| Matu                                                 | 3.8        | 4.5        | 3.8        |
| Asajaya                                              | 3.2        | 4.3        | 3.3        |
| Pakan                                                | 3.1        | 3.4        | 3.4        |
| Selangau                                             | 3.2        | 4.3        | 4.0        |
| <b>W.P. KUALA LUMPUR</b>                             | <b>4.0</b> | <b>4.2</b> | <b>3.1</b> |
| <b>W.P. LABUAN</b>                                   | <b>7.2</b> | <b>7.4</b> | <b>7.2</b> |
| <b>W.P. PUTRAJAYA</b>                                | <b>1.5</b> | <b>1.6</b> | <b>1.0</b> |

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia

Source: Labour Force Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup>Termasuk/ Includes Tebedu

2. <sup>b</sup>Termasuk/ Includes Pusa

3. <sup>c</sup>Termasuk/ Includes Kabong

4. <sup>d</sup>Termasuk/ Includes Tanjung Manis

5. <sup>e</sup>Termasuk/ Includes Sebauh

6. <sup>f</sup>Termasuk/ Includes Bukit Mabong

7. <sup>g</sup>Termasuk/ Includes Subis

8. <sup>h</sup>Termasuk/ Includes Beluru dan/ and Telang Usan

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

# 10 REDUCED INEQUALITIES



Mengurangkan Ketidaksamaan  
*Reduces Inequalities*

**SDG di Peringkat Daerah**  
**SDG at District Level**

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022

|                                               | (%)         |             |             |
|-----------------------------------------------|-------------|-------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016        | 2019        | 2022        |
| <b>JOHOR</b>                                  | <b>13.5</b> | <b>15.3</b> | <b>15.9</b> |
| Batu Pahat                                    | 10.2        | 9.0         | 19.4        |
| Johor Bahru                                   | 8.9         | 12.8        | 10.4        |
| Kluang                                        | 26.4        | 24.9        | 27.4        |
| Kota Tinggi                                   | 20.2        | 20.8        | 17.0        |
| Mersing                                       | 37.2        | 41.2        | 33.1        |
| Muar                                          | 14.6        | 14.8        | 23.5        |
| Pontian                                       | 21.8        | 23.0        | 21.1        |
| Segamat                                       | 20.7        | 20.5        | 23.3        |
| Kulai                                         | 8.1         | 10.1        | 7.4         |
| Tangkak                                       | 18.0        | 16.7        | 28.2        |
| <b>KEDAH</b>                                  | <b>15.9</b> | <b>10.9</b> | <b>11.9</b> |
| Baling                                        | 27.3        | 23.9        | 19.7        |
| Bandar Baharu                                 | 15.9        | 12.6        | 14.5        |
| Kota Setar                                    | 14.7        | 8.1         | 9.5         |
| Kuala Muda                                    | 15.3        | 13.7        | 15.7        |
| Kubang Pasu                                   | 17.4        | 5.5         | 6.1         |
| Kulim                                         | 10.7        | 10.5        | 11.3        |
| Langkawi                                      | 4.6         | 1.3         | 5.5         |
| Padang Terap                                  | 12.3        | 5.3         | 11.3        |
| Sik                                           | 26.1        | 8.9         | 9.4         |
| Yan                                           | 22.2        | 24.1        | 12.4        |
| Pendang                                       | 24.1        | 9.5         | 12.5        |
| Pokok Sena                                    | 22.5        | 8.6         | 9.2         |
| <b>KELANTAN</b>                               | <b>12.1</b> | <b>9.9</b>  | <b>12.2</b> |
| Bachok                                        | 16.9        | 10.7        | 10.4        |
| Kota Bharu                                    | 6.1         | 7.5         | 7.5         |
| Machang                                       | 11.9        | 8.8         | 14.6        |
| Pasir Mas                                     | 21.5        | 9.5         | 10.9        |
| Pasir Puteh                                   | 14.0        | 12.1        | 12.3        |
| Tanah Merah                                   | 10.7        | 8.9         | 14.7        |
| Tumpat                                        | 15.3        | 8.7         | 11.2        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)

|                                               | (%)               |             |             |
|-----------------------------------------------|-------------------|-------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016              | 2019        | 2022        |
| Gua Musang                                    | 12.6 <sup>a</sup> | 16.3        | 12.0        |
| Kuala Krai                                    | 14.8              | 17.3        | 30.6        |
| Jeli                                          | 21.4              | 9.6         | 17.9        |
| Kecil Lojing                                  | n.a.              | 11.1        | 43.8        |
| <b>MELAKA</b>                                 | <b>10.7</b>       | <b>17.0</b> | <b>13.2</b> |
| Alor Gajah                                    | 15.1              | 18.8        | 14.1        |
| Jasin                                         | 19.5              | 17.4        | 16.0        |
| Melaka Tengah                                 | 7.7               | 16.2        | 12.2        |
| <b>NEGERI SEMBILAN</b>                        | <b>15.5</b>       | <b>11.6</b> | <b>13.3</b> |
| Jelevu                                        | 22.0              | 18.4        | 29.9        |
| Kuala Pilah                                   | 27.2              | 23.0        | 31.5        |
| Port Dickson                                  | 14.6              | 10.0        | 13.8        |
| Rembau                                        | 19.7              | 20.8        | 19.0        |
| Seremban                                      | 12.0              | 7.9         | 7.5         |
| Tampin                                        | 25.0              | 18.6        | 21.5        |
| Jempol                                        | 19.3              | 14.4        | 21.8        |
| <b>PAHANG</b>                                 | <b>8.2</b>        | <b>6.0</b>  | <b>7.7</b>  |
| Bentong                                       | 12.5              | 3.9         | 0.0         |
| Cameron Highlands                             | 6.4               | 1.3         | 0.0         |
| Jerantut                                      | 14.3              | 10.0        | 15.3        |
| Kuantan                                       | 4.0               | 3.0         | 5.0         |
| Lipis                                         | 20.0              | 8.4         | 8.6         |
| Pekan                                         | 6.8               | 8.9         | 15.4        |
| Raub                                          | 8.8               | 3.9         | 1.1         |
| Temerloh                                      | 11.5              | 10.2        | 8.7         |
| Rompin                                        | 4.6               | 6.3         | 14.9        |
| Maran                                         | 11.9              | 8.4         | 12.1        |
| Bera                                          | 7.1               | 8.5         | 10.0        |
| <b>PULAU PINANG</b>                           | <b>11.3</b>       | <b>13.2</b> | <b>15.3</b> |
| Seberang Perai Tengah                         | 13.7              | 16.9        | 16.6        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia  
Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Lojing

2. n.a. tidak berkenaan  
not applicable



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)

|                                               | (%)               |                  |             |
|-----------------------------------------------|-------------------|------------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016              | 2019             | 2022        |
| Seberang Perai Utara                          | 16.6              | 18.1             | 18.7        |
| Seberang Perai Selatan                        | 17.2              | 15.3             | 18.2        |
| Timur Laut                                    | 7.9               | 8.6              | 14.5        |
| Barat Daya                                    | 5.1               | 10.8             | 9.0         |
| <b>PERAK</b>                                  | <b>14.1</b>       | <b>11.3</b>      | <b>13.5</b> |
| Batang Padang                                 | 12.3 <sup>a</sup> | 12.6             | 18.1        |
| Manjung                                       | 11.1              | 8.8              | 11.1        |
| Kinta                                         | 10.3              | 9.9              | 9.4         |
| Kerian                                        | 14.1              | 8.3              | 18.9        |
| Kuala Kangsar                                 | 18.2              | 14.4             | 17.2        |
| Larut dan Matang                              | 15.8 <sup>b</sup> | 8.3 <sup>b</sup> | 14.4        |
| Hilir Perak                                   | 23.1 <sup>c</sup> | 16.5             | 22.3        |
| Hulu Perak                                    | 25.1              | 19.2             | 18.5        |
| Perak Tengah                                  | 18.8              | 14.2             | 17.3        |
| Kampar                                        | 18.8              | 16.7             | 10.3        |
| Muallim                                       | n.a               | 14.2             | 14.8        |
| Bagan Datuk                                   | n.a               | 11.0             | 19.8        |
| Selama                                        | n.a               | n.a              | 18.9        |
| <b>PERLIS</b>                                 | <b>12.0</b>       | <b>12.0</b>      | <b>12.6</b> |
| <b>SELANGOR</b>                               | <b>10.7</b>       | <b>15.3</b>      | <b>14.2</b> |
| Gombak                                        | 4.5               | 14.5             | 13.8        |
| Klang                                         | 13.3              | 16.6             | 20.3        |
| Kuala Langat                                  | 19.9              | 19.7             | 9.4         |
| Kuala Selangor                                | 31.0              | 30.4             | 25.2        |
| Petaling                                      | 9.0               | 14.4             | 14.9        |
| Sabak Bernam                                  | 39.8              | 46.2             | 42.6        |
| Sepang                                        | 6.5               | 7.9              | 3.4         |
| Ulu Langat                                    | 7.9               | 10.5             | 7.0         |
| Ulu Selangor                                  | 13.5              | 26.6             | 23.9        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Muallim

2. <sup>b</sup> Termasuk/ Includes Selama

3. <sup>c</sup> Termasuk/ Includes Bagan Datuk

4. n.a. tidak berkenaan  
not applicable



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)

|                                               | (%)               |                  |             |
|-----------------------------------------------|-------------------|------------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016              | 2019             | 2022        |
| <b>TERENGGANU</b>                             | <b>10.2</b>       | <b>8.2</b>       | <b>6.9</b>  |
| Besut                                         | 19.1              | 9.5              | 11.3        |
| Dungun                                        | 7.3               | 6.1              | 2.4         |
| Kemaman                                       | 6.0               | 5.6              | 5.8         |
| Kuala Terengganu                              | 9.1 <sup>a</sup>  | 4.8              | 5.0         |
| Marang                                        | 12.6              | 12.0             | 11.8        |
| Hulu Terengganu                               | 11.3              | 19.7             | 16.2        |
| Setiu                                         | 13.9              | 11.1             | 6.0         |
| Kuala Nerus                                   | n.a.              | 7.9              | 3.5         |
| <b>SABAH</b>                                  | <b>17.6</b>       | <b>14.7</b>      | <b>14.5</b> |
| Tawau                                         | 17.2 <sup>b</sup> | 9.0 <sup>b</sup> | 12.5        |
| Lahad Datu                                    | 6.0               | 9.0              | 14.6        |
| Semporna                                      | 20.9              | 18.0             | 16.9        |
| Sandakan                                      | 17.0              | 11.5             | 10.0        |
| Kinabatangan                                  | 27.1              | 19.1             | 18.2        |
| Beluran                                       | 34.1 <sup>c</sup> | 33.3             | 29.1        |
| Kota Kinabalu                                 | 11.2              | 5.1              | 8.0         |
| Ranau                                         | 26.6              | 21.3             | 21.1        |
| Kota Belud                                    | 31.2              | 31.1             | 29.8        |
| Tuaran                                        | 25.1              | 16.5             | 19.2        |
| Penampang                                     | 7.5               | 4.0              | 5.6         |
| Papar                                         | 11.3              | 10.8             | 10.5        |
| Kudat                                         | 36.9              | 36.5             | 32.5        |
| Kota Marudu                                   | 47.4              | 42.3             | 38.4        |
| Pitas                                         | 48.2              | 56.6             | 46.7        |
| Beaufort                                      | 23.3              | 19.1             | 13.8        |
| Kuala Penyu                                   | 22.2              | 20.0             | 20.6        |
| Sipitang                                      | 22.2              | 6.2              | 15.1        |
| Tenom                                         | 16.5              | 11.3             | 12.4        |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Kuala Nerus

2. <sup>b</sup> Termasuk/ Includes Kalabakan

3. <sup>c</sup> Termasuk/ Includes Telupid

4. n.a. tidak berkenaan  
not applicable



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)

|                                               | (%)               |             |             |
|-----------------------------------------------|-------------------|-------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016              | 2019        | 2022        |
| Nabawan                                       | 4.2               | 12.7        | 10.4        |
| Keningau                                      | 8.1               | 10.9        | 10.3        |
| Tambunan                                      | 12.1              | 19.1        | 13.5        |
| Kunak                                         | 10.7              | 13.5        | 13.9        |
| Tongod                                        | 46.6              | 49.1        | 23.7        |
| Putatan                                       | 14.0              | 8.8         | 7.9         |
| Telupid                                       | n.a               | 35.5        | 16.7        |
| Kalabakan                                     | n.a               | n.a         | 21.8        |
| <b>SARAWAK</b>                                | <b>16.8</b>       | <b>15.2</b> | <b>16.2</b> |
| Kuching                                       | 10.3              | 7.4         | 10.1        |
| Bau                                           | 14.1              | 13.0        | 18.7        |
| Lundu                                         | 25.5              | 25.0        | 23.2        |
| Samarahan                                     | 7.9               | 6.5         | 6.7         |
| Serian                                        | 27.5 <sup>a</sup> | 20.0        | 22.7        |
| Simunjan                                      | 40.1              | 35.6        | 33.8        |
| Sri Aman                                      | 29.0              | 20.7        | 28.4        |
| Lubok Antu                                    | 36.2              | 32.1        | 32.7        |
| Betong                                        | 33.5 <sup>b</sup> | 31.3        | 21.3        |
| Saratok                                       | 26.8 <sup>c</sup> | 28.6        | 12.6        |
| Sarikei                                       | 26.1              | 25.4        | 30.0        |
| Maradong                                      | 35.9              | 32.4        | 36.4        |
| Daro                                          | 41.7 <sup>d</sup> | 25.8        | 34.5        |
| Julau                                         | 27.1              | 43.2        | 46.8        |
| Sibu                                          | 17.2              | 11.0        | 14.8        |
| Dalat                                         | 26.2              | 20.5        | 19.0        |
| Mukah                                         | 26.4              | 16.8        | 21.4        |
| Kanowit                                       | 39.5              | 41.8        | 45.7        |
| Bintulu                                       | 5.6 <sup>e</sup>  | 2.6         | 1.9         |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Tebedu

2. <sup>b</sup> Termasuk/ Includes Pusa

3. <sup>c</sup> Termasuk/ Includes Kabong

4. <sup>d</sup> Termasuk/ Includes Tanjung Manis

5. <sup>e</sup> Termasuk/ Includes Sebauh

6. n.a. tidak berkenaan

not applicable



**Indikator 10.2.1 :** Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya

*Indicator 10.2.1 :* Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities

**Jadual D4 :** Peratusan isi rumah yang hidup di bawah 50 peratus daripada pendapatan penengah mengikut negeri dan daerah pentadbiran, Malaysia, 2016, 2019 dan 2022 (samb.)

*Table D4 :* Proportion of household living below 50 per cent of median income by state and administrative district, Malaysia, 2016, 2019 and 2022 (cont'd)

|                                               | (%)               |             |             |
|-----------------------------------------------|-------------------|-------------|-------------|
| Daerah pentadbiran<br>Administrative district | 2016              | 2019        | 2022        |
| Tatau                                         | 7.1               | 8.7         | 14.1        |
| Kapit                                         | 21.7 <sup>a</sup> | 18.2        | 37.9        |
| Song                                          | 31.2              | 40.0        | 41.2        |
| Belaga                                        | 27.7              | 21.4        | 28.1        |
| Miri                                          | 4.7 <sup>b</sup>  | 6.0         | 6.0         |
| Marudi                                        | 25.4 <sup>c</sup> | 26.1        | 20.6        |
| Limbang                                       | 28.4              | 16.2        | 20.5        |
| Lawas                                         | 29.1              | 16.1        | 33.7        |
| Matu                                          | 43.2              | 35.3        | 30.8        |
| Asajaya                                       | 31.1              | 28.4        | 19.9        |
| Pakan                                         | 41.7              | 38.1        | 29.4        |
| Selangau                                      | 45.7              | 38.2        | 38.0        |
| Tebedu                                        | n.a.              | 40.3        | 44.1        |
| Pusa                                          | n.a.              | 44.0        | 28.0        |
| Kabong                                        | n.a.              | 32.7        | 26.9        |
| Tanjung Manis                                 | n.a.              | 25.0        | 33.7        |
| Sebauh                                        | n.a.              | 14.5        | 16.9        |
| Bukit Mabong                                  | n.a.              | 21.6        | 39.2        |
| Subis                                         | n.a.              | 10.0        | 14.0        |
| Beluru                                        | n.a.              | 22.2        | 18.9        |
| Telang Usan                                   | n.a.              | 23.7        | 20.5        |
| <b>W.P. KUALA LUMPUR</b>                      | <b>13.8</b>       | <b>10.6</b> | <b>12.7</b> |
| <b>W.P. LABUAN</b>                            | <b>11.6</b>       | <b>12.9</b> | <b>7.0</b>  |
| <b>W.P. PUTRAJAYA</b>                         | <b>6.8</b>        | <b>12.1</b> | <b>11.4</b> |

Sumber: Survei Pendapatan Isi Rumah dan Kemudahan Asas, Jabatan Perangkaan Malaysia

Source: Household Income and Basic Amenities Survey, Department of Statistics Malaysia

Nota/ Notes :

1. <sup>a</sup> Termasuk/ Includes Bukit Mabong

2. <sup>b</sup> Termasuk/ Includes Subis

3. <sup>c</sup> Termasuk/ Includes Beluru dan/ and Telang Usan

4. n.a. tidak berkenaan  
not applicable

# 11 SUSTAINABLE CITIES AND COMMUNITIES



Bandar dan Komuniti yang Mampan  
*Sustainable Cities and Communities*

**SDG di Peringkat Daerah**  
***SDG at District Level***

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| JOHOR                                      | 2020          | 21,789,256.2 <sup>r</sup>                                                       | 1,162,927,156.62 <sup>r</sup>                                                 | 1.9 <sup>r</sup>                                                                    |
|                                            | 2021          | 117,160,611.3 <sup>r</sup>                                                      | 1,065,778,907.80 <sup>r</sup>                                                 | 11.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 123,282,670.00                                                                  | 1,083,935,521.00                                                              | 11.4                                                                                |
| Majlis Bandaraya Iskandar Puteri           | 2020          | 12,385,330.0 <sup>r</sup>                                                       | 169,429,970.0 <sup>r</sup>                                                    | 7.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 3,782,742.0 <sup>r</sup>                                                        | 171,942,800.0 <sup>r</sup>                                                    | 2.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 277,426.0                                                                       | 172,920,290.0                                                                 | 0.2                                                                                 |
| Majlis Bandaraya Johor Bahru               | 2020          | 126,437.0 <sup>r</sup>                                                          | 292,325,350.0 <sup>r</sup>                                                    | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 87,987,982.2 <sup>r</sup>                                                       | 283,480,770.0 <sup>r</sup>                                                    | 31.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 120,485,145.0                                                                   | 296,970,290.0                                                                 | 40.6                                                                                |
| Majlis Bandaraya Pasir Gudang              | 2020          | 193,766.0 <sup>r</sup>                                                          | 71,399,000.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 334,486.4 <sup>r</sup>                                                          | 61,120,000.0 <sup>r</sup>                                                     | 0.5 <sup>r</sup>                                                                    |
|                                            | 2022          | 676,877.00                                                                      | 62,328,000.0                                                                  | 1.1                                                                                 |
| Majlis Perbandaran Batu Pahat              | 2020          | 139,724.0 <sup>r</sup>                                                          | 3,571,816.0 <sup>r</sup>                                                      | 3.9 <sup>r</sup>                                                                    |
|                                            | 2021          | 102,442.0 <sup>r</sup>                                                          | 58,765,290.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 107,843.00                                                                      | 72,043,601.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Kluang                  | 2020          | 75,215.0 <sup>r</sup>                                                           | 49,521,210.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 70,886.0 <sup>r</sup>                                                           | 58,435,027.8 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 86,240.00                                                                       | 51,778,790.0                                                                  | 0.2                                                                                 |
| Majlis Perbandaran Kulai                   | 2020          | 8,057,517.3 <sup>r</sup>                                                        | 69,792,260.0 <sup>r</sup>                                                     | 11.5 <sup>r</sup>                                                                   |
|                                            | 2021          | 23,752,810.0 <sup>r</sup>                                                       | 63,984,280.0 <sup>r</sup>                                                     | 37.1 <sup>r</sup>                                                                   |
|                                            | 2022          | 117,211.00                                                                      | 79,300,450.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Muar                    | 2020          | 134,578.0 <sup>r</sup>                                                          | 113,096,360.0 <sup>r</sup>                                                    | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 148,822.0 <sup>r</sup>                                                          | 39,794,570.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 117,111.00                                                                      | 53,333,830.0                                                                  | 0.2                                                                                 |
| Majlis Perbandaran Pengerang               | 2020          | 40,430.0 <sup>r</sup>                                                           | 242,987,000.0 <sup>r</sup>                                                    | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 80,532.0 <sup>r</sup>                                                           | 153,336,000.0 <sup>r</sup>                                                    | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 94,008.00                                                                       | 122,485,000.0                                                                 | 0.1                                                                                 |
| Majlis Perbandaran Pontian                 | 2020          | 261,298.0 <sup>r</sup>                                                          | 30,460,390.0 <sup>r</sup>                                                     | 0.9 <sup>r</sup>                                                                    |
|                                            | 2021          | 255,037.3 <sup>r</sup>                                                          | 31,718,930.0 <sup>r</sup>                                                     | 0.8 <sup>r</sup>                                                                    |
|                                            | 2022          | 104,393.00                                                                      | 31,553,740.0                                                                  | 0.3                                                                                 |
| Majlis Perbandaran Segamat                 | 2020          | 60,012.0 <sup>r</sup>                                                           | 33,599,750.0 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2021          | 65,125.0 <sup>r</sup>                                                           | 32,022,760.0 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2022          | 51,402.00                                                                       | 32,472,680.0                                                                  | 0.2                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes :**

1. 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
refers to less than half smallest unit shown

2.<sup>r</sup> Dikemaskini  
Revised

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Kota Tinggi                  | 2020          | 68,500.0 <sup>r</sup>                                                           | 27,282,680.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 92,344.3 <sup>r</sup>                                                           | 27,832,490.0 <sup>r</sup>                                                     | 0.3                                                                                 |
|                                            | 2022          | 66,158.00                                                                       | 26,275,810.0                                                                  | 0.3                                                                                 |
| Majlis Daerah Labis                        | 2020          | 34,129.0 <sup>r</sup>                                                           | 8,631,826.5 <sup>r</sup>                                                      | 0.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 35,442.0 <sup>r</sup>                                                           | 9,605,400.0 <sup>r</sup>                                                      | 0.4                                                                                 |
|                                            | 2022          | 33,516.00                                                                       | 9,822,570.0                                                                   | 0.3                                                                                 |
| Majlis Daerah Mersing                      | 2020          | 73,542.0 <sup>r</sup>                                                           | 13,393,880.0 <sup>r</sup>                                                     | 0.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 98,388.0 <sup>r</sup>                                                           | 14,122,740.0 <sup>r</sup>                                                     | 0.7 <sup>r</sup>                                                                    |
|                                            | 2022          | 128,456.00                                                                      | 14,232,620.0                                                                  | 0.9                                                                                 |
| Majlis Daerah Simpang Renggam              | 2020          | 21,791.0 <sup>r</sup>                                                           | 14,226,460.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 216,561.0 <sup>r</sup>                                                          | 15,464,160.0 <sup>r</sup>                                                     | 1.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 840,973.00                                                                      | 16,123,840.0                                                                  | 5.2                                                                                 |
| Majlis Daerah Tangkak                      | 2020          | 55,910.0 <sup>r</sup>                                                           | 23,132,980.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 82,190.0 <sup>r</sup>                                                           | 25,543,630.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 42,830.00                                                                       | 24,661,160.0                                                                  | 0.2                                                                                 |
| Majlis Daerah Yong Peng                    | 2020          | 61,077.0 <sup>r</sup>                                                           | 76,224.1 <sup>r</sup>                                                         | 80.1 <sup>r</sup>                                                                   |
|                                            | 2021          | 54,821.0 <sup>r</sup>                                                           | 18,610,060.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 53,081.00                                                                       | 17,632,850.0                                                                  | 0.3                                                                                 |
| <b>KEDAH</b>                               | <b>2020</b>   | <b>1,401,707.7 <sup>r</sup></b>                                                 | <b>453,782,892.0 <sup>r</sup></b>                                             | <b>0.3 <sup>r</sup></b>                                                             |
|                                            | <b>2021</b>   | <b>421,029.45 <sup>r</sup></b>                                                  | <b>335,616,600.0 <sup>r</sup></b>                                             | <b>0.1 <sup>r</sup></b>                                                             |
|                                            | <b>2022</b>   | <b>673,089.22</b>                                                               | <b>366,631,970.0</b>                                                          | <b>0.2</b>                                                                          |
| Majlis Bandaraya Alor Setar                | 2020          | 749,478.1 <sup>r</sup>                                                          | 129,210,742.0 <sup>r</sup>                                                    | 0.6 <sup>r</sup>                                                                    |
|                                            | 2021          | 80,020.00 <sup>r</sup>                                                          | 89,920,390.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 155,867.35                                                                      | 96,462,400.0                                                                  | 0.2                                                                                 |
| Majlis Perbandaran Kubang Pasu             | 2020          | 296,012.4 <sup>r</sup>                                                          | 41,516,000.0 <sup>r</sup>                                                     | 0.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 40,050.00 <sup>r</sup>                                                          | 34,266,600.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 21,673.00                                                                       | 31,865,690.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Kulim                   | 2020          | 77,111.0 <sup>r</sup>                                                           | 71,865,780.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 97,700.00 <sup>r</sup>                                                          | 50,952,960.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 55,571.91                                                                       | 65,214,430.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Langkawi                | 2020          | 19,865.4 <sup>r</sup>                                                           | 24,475,210.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 13,259.45 <sup>r</sup>                                                          | 19,359,300.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2022          | 274,298.22                                                                      | 22,755,930.0                                                                  | 1.2                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Note :**  
<sup>r</sup> Dikemaskini  
Revised

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Perbandaran Sungai Petani           | 2020          | 119,549.4 <sup>r</sup>                                                          | 131,746,340.0 <sup>r</sup>                                                    | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 37,930.00 <sup>r</sup>                                                          | 90,550,120.0 <sup>r</sup>                                                     | 0.0 <sup>r</sup>                                                                    |
|                                            | 2022          | 32,397.23                                                                       | 101,165,510.0                                                                 | 0.0                                                                                 |
| Majlis Daerah Baling                       | 2020          | 21,460.2 <sup>r</sup>                                                           | 18,521,300.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2021          | 58,530.00 <sup>r</sup>                                                          | 14,326,760.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 44,655.00                                                                       | 15,207,250.0                                                                  | 0.3                                                                                 |
| Majlis Daerah Bandar Baharu                | 2020          | 17,120.0 <sup>r</sup>                                                           | 4,967,850.0 <sup>r</sup>                                                      | 0.3                                                                                 |
|                                            | 2021          | 12,410.00 <sup>r</sup>                                                          | 4,959,780.0 <sup>r</sup>                                                      | 0.3                                                                                 |
|                                            | 2022          | 10,307.00                                                                       | 1,670,860.0                                                                   | 0.6                                                                                 |
| Majlis Daerah Padang Terap                 | 2020          | 19,330.3 <sup>r</sup>                                                           | 6,132,800.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 9,190.00 <sup>r</sup>                                                           | 5,431,630.0 <sup>r</sup>                                                      | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 6,420.00                                                                        | 5,637,770.0                                                                   | 0.1                                                                                 |
| Majlis Daerah Pendang                      | 2020          | 35,322.1 <sup>r</sup>                                                           | 10,977,320.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 21,230.00 <sup>r</sup>                                                          | 10,831,680.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 16,035.46                                                                       | 11,239,490.0                                                                  | 0.1                                                                                 |
| Majlis Daerah Sik                          | 2020          | 12,677.2 <sup>r</sup>                                                           | 4,435,050.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 16,680.00 <sup>r</sup>                                                          | 5,271,880.0 <sup>r</sup>                                                      | 0.3                                                                                 |
|                                            | 2022          | 18,448.00                                                                       | 4,236,150.0                                                                   | 0.4                                                                                 |
| Majlis Daerah Yan                          | 2020          | 33,781.7 <sup>r</sup>                                                           | 9,934,500.0 <sup>r</sup>                                                      | 0.3                                                                                 |
|                                            | 2021          | 34,030.00 <sup>r</sup>                                                          | 9,745,500.0 <sup>r</sup>                                                      | 0.3                                                                                 |
|                                            | 2022          | 37,416.05                                                                       | 11,176,490.0                                                                  | 0.3                                                                                 |
| <b>KELANTAN</b>                            | <b>2020</b>   | <b>11,332,265.9 <sup>r</sup></b>                                                | <b>259,115,840.0 <sup>r</sup></b>                                             | <b>4.4 <sup>r</sup></b>                                                             |
|                                            | <b>2021</b>   | <b>25,594,555.00 <sup>r</sup></b>                                               | <b>248,720,810.0 <sup>r</sup></b>                                             | <b>10.3 <sup>r</sup></b>                                                            |
|                                            | <b>2022</b>   | <b>31,630,177.24</b>                                                            | <b>188,937,092.7</b>                                                          | <b>16.7</b>                                                                         |
| Majlis Perbandaran Kota Bharu              | 2020          | 320,601.0 <sup>r</sup>                                                          | 80,668,630.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 6,101,670.00 <sup>r</sup>                                                       | 60,098,990.0 <sup>r</sup>                                                     | 10.2 <sup>r</sup>                                                                   |
|                                            | 2022          | 769,315.00                                                                      | 3,298,000.0                                                                   | 23.3                                                                                |
| Majlis Daerah Bachok                       | 2020          | 85,000.0 <sup>r</sup>                                                           | 90,000.0 <sup>r</sup>                                                         | 94.4 <sup>r</sup>                                                                   |
|                                            | 2021          | 90,000.00 <sup>r</sup>                                                          | 94,000.0 <sup>r</sup>                                                         | 95.7 <sup>r</sup>                                                                   |
|                                            | 2022          | 93,000.00                                                                       | 245,440.0                                                                     | 37.9                                                                                |
| Majlis Daerah Dabong                       | 2020          | 20,000.0 <sup>r</sup>                                                           | 442,000.0 <sup>r</sup>                                                        | 4.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 205,000.00 <sup>r</sup>                                                         | 12,288,000.0 <sup>r</sup>                                                     | 1.7 <sup>r</sup>                                                                    |
|                                            | 2022          | 275,000.00                                                                      | 11,059,000.0                                                                  | 2.5                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes:**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. <sup>r</sup> Dikemaskini**  
*Revised*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Gua Musang                   | 2020          | 10,000.0 <sup>r</sup>                                                           | 79,000.0 <sup>r</sup>                                                         | 12.7 <sup>r</sup>                                                                   |
|                                            | 2021          | 11,000.00 <sup>r</sup>                                                          | 120,000.0 <sup>r</sup>                                                        | 9.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 850,050.00                                                                      | 4,011,281.0                                                                   | 21.2                                                                                |
| Majlis Daerah Jeli                         | 2020          | 750,550.8 <sup>r</sup>                                                          | 10,368,000.0 <sup>r</sup>                                                     | 7.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 753,830.00 <sup>r</sup>                                                         | 10,350,065.0 <sup>r</sup>                                                     | 7.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 754,030.00                                                                      | 10,350,065.0                                                                  | 7.3                                                                                 |
| Majlis Daerah Ketereh                      | 2020          | 3,558,750.0 <sup>r</sup>                                                        | 23,725,000.0 <sup>r</sup>                                                     | 15.0 <sup>r</sup>                                                                   |
|                                            | 2021          | 5,040,000.0 <sup>r</sup>                                                        | 25,200,000.0 <sup>r</sup>                                                     | 20.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 5,400,000.0                                                                     | 27,000,000.0                                                                  | 20.0                                                                                |
| Majlis Daerah Kuala Krai                   | 2020          | 948,588.6 <sup>r</sup>                                                          | 14,900,000.0 <sup>r</sup>                                                     | 6.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 176,400.0 <sup>r</sup>                                                          | 12,600,000.0 <sup>r</sup>                                                     | 1.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 3,360,000.0                                                                     | 11,662,566.7                                                                  | 28.8                                                                                |
| Majlis Daerah Machang                      | 2020          | 170,695.0 <sup>r</sup>                                                          | 2,016,000.0 <sup>r</sup>                                                      | 8.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 185,053.0 <sup>r</sup>                                                          | 2,145,000.0 <sup>r</sup>                                                      | 8.6 <sup>r</sup>                                                                    |
|                                            | 2022          | 255,912.2                                                                       | 2,016,000.0                                                                   | 12.7                                                                                |
| Majlis Daerah Pasir Mas                    | 2020          | 5,400,000.0 <sup>r</sup>                                                        | 46,663,000.0 <sup>r</sup>                                                     | 11.6 <sup>r</sup>                                                                   |
|                                            | 2021          | 12,960,000.0 <sup>r</sup>                                                       | 43,200,000.0 <sup>r</sup>                                                     | 30.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 19,800,000.0                                                                    | 36,360,000.0                                                                  | 54.5                                                                                |
| Majlis Daerah Pasir Puteh                  | 2020          | 152.0 <sup>r</sup>                                                              | 12,298,010.0 <sup>r</sup>                                                     | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 0.0 <sup>r</sup>                                                                | 13,493,755.0 <sup>r</sup>                                                     | n.a <sup>r</sup>                                                                    |
|                                            | 2022          | 0.0                                                                             | 14,753,740.0                                                                  | n.a                                                                                 |
| Majlis Daerah Tanah Merah                  | 2020          | 59,000.0 <sup>r</sup>                                                           | 20,416,200.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 69,400.0 <sup>r</sup>                                                           | 21,681,000.0 <sup>r</sup>                                                     | 0.3                                                                                 |
|                                            | 2022          | 72,870.0                                                                        | 22,681,000.0                                                                  | 0.3                                                                                 |
| Majlis Daerah Tumpat                       | 2020          | 8,928.5 <sup>r</sup>                                                            | 47,450,000.0 <sup>r</sup>                                                     | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 2,202.0 <sup>r</sup>                                                            | 47,450,000.0 <sup>r</sup>                                                     | 0.0                                                                                 |
|                                            | 2022          | 0.0                                                                             | 45,500,000.0                                                                  | n.a                                                                                 |
| <b>MELAKA</b>                              | <b>2020</b>   | <b>15,678,984.5 <sup>r</sup></b>                                                | <b>173,687,090.0 <sup>r</sup></b>                                             | <b>9.0 <sup>r</sup></b>                                                             |
|                                            | <b>2021</b>   | <b>64,588,833.3 <sup>r</sup></b>                                                | <b>194,538,810.0 <sup>r</sup></b>                                             | <b>33.2 <sup>r</sup></b>                                                            |
|                                            | <b>2022</b>   | <b>66,839,924.7</b>                                                             | <b>192,193,830.0</b>                                                          | <b>34.8</b>                                                                         |
| Majlis Bandaraya Melaka Bersejarah         | 2020          | 12,455,908.0 <sup>r</sup>                                                       | 90,363,400.0 <sup>r</sup>                                                     | 13.8 <sup>r</sup>                                                                   |
|                                            | 2021          | 63,308,867.6 <sup>r</sup>                                                       | 94,864,400.0 <sup>r</sup>                                                     | 66.7 <sup>r</sup>                                                                   |
|                                            | 2022          | 63,587,087.6                                                                    | 92,973,000.0                                                                  | 68.4                                                                                |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes:**

- 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*
- n.a tidak berkenaan  
*not applicable*
- <sup>r</sup> Dikemaskini  
*Revised*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Perbandaran Alor Gajah              | 2020          | 105,047.0 <sup>r</sup>                                                          | 28,884,930.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 121,824.8 <sup>r</sup>                                                          | 32,289,010.0 <sup>r</sup>                                                     | 0.4                                                                                 |
|                                            | 2022          | 175,734.7                                                                       | 33,030,180.0                                                                  | 0.5                                                                                 |
| Majlis Perbandaran Hang Tuah Jaya          | 2020          | 3,009,636.0 <sup>r</sup>                                                        | 31,132,670.0 <sup>r</sup>                                                     | 9.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 961,100.8 <sup>r</sup>                                                          | 31,970,010.0 <sup>r</sup>                                                     | 3.0 <sup>r</sup>                                                                    |
|                                            | 2022          | 2,805,645.0                                                                     | 33,407,510.0                                                                  | 8.4                                                                                 |
| Majlis Perbandaran Jasin                   | 2020          | 108,393.5 <sup>r</sup>                                                          | 23,306,090.0 <sup>r</sup>                                                     | 0.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 197,040.1 <sup>r</sup>                                                          | 35,415,390.0 <sup>r</sup>                                                     | 0.6 <sup>r</sup>                                                                    |
|                                            | 2022          | 271,457.5                                                                       | 32,783,140.0                                                                  | 0.8                                                                                 |
| <b>NEGERI SEMBILAN</b>                     | <b>2020</b>   | <b>501,789.0 <sup>r</sup></b>                                                   | <b>276,570,159.0 <sup>r</sup></b>                                             | <b>0.2 <sup>r</sup></b>                                                             |
|                                            | <b>2021</b>   | <b>21,590,717.0 <sup>r</sup></b>                                                | <b>351,851,930.0 <sup>r</sup></b>                                             | <b>6.1 <sup>r</sup></b>                                                             |
|                                            | <b>2022</b>   | <b>103,038,950.0</b>                                                            | <b>349,101,270.0</b>                                                          | <b>29.5</b>                                                                         |
| Majlis Bandaraya Seremban                  | 2020          | 251,711.0 <sup>r</sup>                                                          | 173,589,861.0 <sup>r</sup>                                                    | 0.1                                                                                 |
|                                            | 2021          | 528,060.0 <sup>r</sup>                                                          | 233,072,320.0 <sup>r</sup>                                                    | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 72,087,418.0                                                                    | 230,101,150.0                                                                 | 31.3                                                                                |
| Majlis Perbandaran Jempol                  | 2020          | 54,097.2 <sup>r</sup>                                                           | 15,921,487.2 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 58,050.0 <sup>r</sup>                                                           | 20,377,360.0 <sup>r</sup>                                                     | 0.3                                                                                 |
|                                            | 2022          | 66,550.0                                                                        | 18,967,000.0                                                                  | 0.4                                                                                 |
| Majlis Perbandaran Port Dickson            | 2020          | 74,632.7 <sup>r</sup>                                                           | 40,073,022.7 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2021          | 14,571,957.0 <sup>r</sup>                                                       | 47,006,300.0 <sup>r</sup>                                                     | 31.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 24,268,772.0                                                                    | 49,362,340.0                                                                  | 49.2                                                                                |
| Majlis Daerah Jelebu                       | 2020          | 24,919.9 <sup>r</sup>                                                           | 11,106,929.9 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2021          | 24,040.0 <sup>r</sup>                                                           | 8,170,560.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 28,570.0                                                                        | 8,397,880.0                                                                   | 0.3                                                                                 |
| Majlis Daerah Kuala Pilah                  | 2020          | 21,858.4 <sup>r</sup>                                                           | 12,780,678.4 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2021          | 6,323,800.0 <sup>r</sup>                                                        | 15,300,910.0 <sup>r</sup>                                                     | 41.3 <sup>r</sup>                                                                   |
|                                            | 2022          | 6,423,000.0                                                                     | 15,476,300.0                                                                  | 41.5                                                                                |
| Majlis Daerah Rembau                       | 2020          | 42,440.3 <sup>r</sup>                                                           | 8,022,450.3 <sup>r</sup>                                                      | 0.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 58,440.0 <sup>r</sup>                                                           | 10,109,020.0 <sup>r</sup>                                                     | 0.6 <sup>r</sup>                                                                    |
|                                            | 2022          | 109,220.0                                                                       | 9,066,560.0                                                                   | 1.2                                                                                 |
| Majlis Daerah Tampin                       | 2020          | 32,129.5 <sup>r</sup>                                                           | 15,075,729.5 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2021          | 26,370.0 <sup>r</sup>                                                           | 17,815,460.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 55,420.0                                                                        | 17,730,040.0                                                                  | 0.3                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes:**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. <sup>r</sup> Dikemaskini**  
*Revised*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PAHANG                                     | 2020          | 10,263,304.0 <sup>r</sup>                                                       | 271,074,182.0 <sup>r</sup>                                                    | 3.8 <sup>r</sup>                                                                    |
|                                            | 2021          | 56,599,546.6 <sup>r</sup>                                                       | 321,341,300.0 <sup>r</sup>                                                    | 17.6 <sup>r</sup>                                                                   |
|                                            | 2022          | 76,471,882.0                                                                    | 293,731,250.0                                                                 | 26.0                                                                                |
| Majlis Bandaraya Kuantan                   | 2020          | 9,605,467.0 <sup>r</sup>                                                        | 138,549,012.0 <sup>r</sup>                                                    | 6.9 <sup>r</sup>                                                                    |
|                                            | 2021          | 43,386,858.6 <sup>r</sup>                                                       | 144,358,020.0 <sup>r</sup>                                                    | 30.1 <sup>r</sup>                                                                   |
|                                            | 2022          | 57,742,315.0                                                                    | 140,603,430.0                                                                 | 41.1                                                                                |
| Majlis Perbandaran Bentong                 | 2020          | 38,341.0 <sup>r</sup>                                                           | 17,299,540.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 44,379.0 <sup>r</sup>                                                           | 24,699,590.0 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2022          | 31,776.2                                                                        | 22,675,620.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Temerloh                | 2020          | 36,911.0 <sup>r</sup>                                                           | 28,938,200.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 40,933.0 <sup>r</sup>                                                           | 39,107,510.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2022          | 97,786.6                                                                        | 31,787,010.0                                                                  | 0.3                                                                                 |
| Majlis Daerah Bera                         | 2020          | 28,888.0 <sup>r</sup>                                                           | 8,835,440.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 20,487.0 <sup>r</sup>                                                           | 12,181,100.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 38,817.0                                                                        | 10,367,380.0                                                                  | 0.4                                                                                 |
| Majlis Daerah Cameron Highlands            | 2020          | 14,252.0 <sup>r</sup>                                                           | 15,222,000.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 40,800.0 <sup>r</sup>                                                           | 15,206,080.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 9,138.2                                                                         | 17,175,380.0                                                                  | 0.1                                                                                 |
| Majlis Daerah Jerantut                     | 2020          | 6,034.0 <sup>r</sup>                                                            | 9,018,020.0 <sup>r</sup>                                                      | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 11,545.0 <sup>r</sup>                                                           | 12,313,520.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2022          | 10,915,926.0                                                                    | 12,942,210.0                                                                  | 84.3                                                                                |
| Majlis Daerah Lipis                        | 2020          | 409,268.0 <sup>r</sup>                                                          | 8,665,110.0 <sup>r</sup>                                                      | 4.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 294,000.0 <sup>r</sup>                                                          | 9,419,360.0 <sup>r</sup>                                                      | 3.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 458,780.4                                                                       | 8,647,310.0                                                                   | 5.3                                                                                 |
| Majlis Daerah Maran                        | 2020          | 29,598.0 <sup>r</sup>                                                           | 8,776,030.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 31,574.0 <sup>r</sup>                                                           | 12,348,870.0 <sup>r</sup>                                                     | 0.3                                                                                 |
|                                            | 2022          | 28,429.1                                                                        | 8,995,700.0                                                                   | 0.3                                                                                 |
| Majlis Daerah Pekan                        | 2020          | 48,833.0 <sup>r</sup>                                                           | 10,977,060.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 12,574,686.0 <sup>r</sup>                                                       | 17,261,680.0 <sup>r</sup>                                                     | 72.8 <sup>r</sup>                                                                   |
|                                            | 2022          | 5,817,594.0                                                                     | 13,963,590.0                                                                  | 41.7                                                                                |
| Majlis Daerah Raub                         | 2020          | 11,372.0 <sup>r</sup>                                                           | 12,418,940.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 25,861.0 <sup>r</sup>                                                           | 15,425,860.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 110,025.9                                                                       | 13,216,570.0                                                                  | 0.8                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Note :**  
<sup>r</sup> Dikemaskini  
Revised

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Rompin                       | 2020          | 34,340.0 <sup>r</sup>                                                           | 12,374,830.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 128,423.0 <sup>r</sup>                                                          | 19,019,710.0 <sup>r</sup>                                                     | 0.7 <sup>r</sup>                                                                    |
|                                            | 2022          | 1,221,293.6                                                                     | 13,357,050.0                                                                  | 9.1                                                                                 |
| <b>PERAK</b>                               | <b>2020</b>   | <b>49,145,620.3 <sup>r</sup></b>                                                | <b>738,702,723.0 <sup>r</sup></b>                                             | <b>6.7 <sup>r</sup></b>                                                             |
|                                            | <b>2021</b>   | <b>69,429,888.1 <sup>r</sup></b>                                                | <b>674,772,705.0 <sup>r</sup></b>                                             | <b>10.3 <sup>r</sup></b>                                                            |
|                                            | <b>2022</b>   | <b>93,223,388.4</b>                                                             | <b>669,556,634.4</b>                                                          | <b>13.9</b>                                                                         |
| Majlis Bandaraya Ipoh                      | 2020          | 3,700,000.0 <sup>r</sup>                                                        | 203,104,250.0 <sup>r</sup>                                                    | 1.8 <sup>r</sup>                                                                    |
|                                            | 2021          | 3,929,000.0 <sup>r</sup>                                                        | 210,684,770.0 <sup>r</sup>                                                    | 1.9 <sup>r</sup>                                                                    |
|                                            | 2022          | 4,015,438.0                                                                     | 209,784,830.0                                                                 | 1.9                                                                                 |
| Majlis Perbandaran Kuala Kangsar           | 2020          | 18,250.0 <sup>r</sup>                                                           | 3,600,000.0 <sup>r</sup>                                                      | 0.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 24,010.0 <sup>r</sup>                                                           | 39,600,000.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 36,460.0                                                                        | 39,599,999.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Manjung                 | 2020          | 84,971.6 <sup>r</sup>                                                           | 90,000,000.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2021          | 4,903,003.2 <sup>r</sup>                                                        | 77,886,475.0 <sup>r</sup>                                                     | 6.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 7,949,170.7                                                                     | 78,387,400.0                                                                  | 10.1                                                                                |
| Majlis Perbandaran Taiping                 | 2020          | 28,450,061.0 <sup>r</sup>                                                       | 167,282,712.0 <sup>r</sup>                                                    | 17.0 <sup>r</sup>                                                                   |
|                                            | 2021          | 30,155,000.0 <sup>r</sup>                                                       | 168,995,000.0 <sup>r</sup>                                                    | 17.8 <sup>r</sup>                                                                   |
|                                            | 2022          | 34,178,089.0                                                                    | 110,251,900.0                                                                 | 31.0                                                                                |
| Majlis Perbandaran Teluk Intan             | 2020          | 17,200.0 <sup>r</sup>                                                           | 67,685,000.0 <sup>r</sup>                                                     | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 1,585,180.0 <sup>r</sup>                                                        | 3,437,160.0 <sup>r</sup>                                                      | 46.1 <sup>r</sup>                                                                   |
|                                            | 2022          | 18,673,838.0                                                                    | 44,997,200.0                                                                  | 41.5                                                                                |
| Majlis Daerah Batu Gajah                   | 2020          | 210,890.0 <sup>r</sup>                                                          | 21,373,600.0 <sup>r</sup>                                                     | 1.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 100,204.0 <sup>r</sup>                                                          | 23,226,430.0 <sup>r</sup>                                                     | 0.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 312,840.0                                                                       | 23,826,680.0                                                                  | 1.3                                                                                 |
| Majlis Daerah Gerik                        | 2020          | 15,901,670.0 <sup>r</sup>                                                       | 20,785,564.0 <sup>r</sup>                                                     | 76.5 <sup>r</sup>                                                                   |
|                                            | 2021          | 10,863,373.5 <sup>r</sup>                                                       | 15,074,500.0 <sup>r</sup>                                                     | 72.1 <sup>r</sup>                                                                   |
|                                            | 2022          | 12,129,541.0                                                                    | 13,098,566.4                                                                  | 92.6                                                                                |
| Majlis Daerah Kampar                       | 2020          | 393,747.1 <sup>r</sup>                                                          | 27,944,000.0 <sup>r</sup>                                                     | 1.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 1,130,070.0 <sup>r</sup>                                                        | 25,541,000.0 <sup>r</sup>                                                     | 4.4 <sup>r</sup>                                                                    |
|                                            | 2022          | 536,649.0                                                                       | 28,061,527.0                                                                  | 1.9                                                                                 |
| Majlis Daerah Kerian                       | 2020          | 124,043.0 <sup>r</sup>                                                          | 43,800,000.0 <sup>r</sup>                                                     | 0.3 <sup>r</sup>                                                                    |
|                                            | 2021          | 2,082,287.9 <sup>r</sup>                                                        | 24,229,000.0 <sup>r</sup>                                                     | 8.6 <sup>r</sup>                                                                    |
|                                            | 2022          | 695,604.7                                                                       | 25,864,572.0                                                                  | 2.7                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes :**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. <sup>r</sup> Dikemaskini**  
*Revised*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Lenggong                     | 2020          | 250.0 <sup>r</sup>                                                              | 3,456,000.0 <sup>r</sup>                                                      | 0.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 5,400.0 <sup>r</sup>                                                            | 8,640,000.0 <sup>r</sup>                                                      | 0.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 8,220.0                                                                         | 2,904,960.0                                                                   | 0.3                                                                                 |
| Majlis Daerah Pengkalan Hulu               | 2020          | 208,800.0 <sup>r</sup>                                                          | 8,352,000.0 <sup>r</sup>                                                      | 2.5 <sup>r</sup>                                                                    |
|                                            | 2021          | 27,329.0 <sup>r</sup>                                                           | 8,928,000.0 <sup>r</sup>                                                      | 0.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 45,140.0                                                                        | 9,504,000.0                                                                   | 0.5                                                                                 |
| Majlis Daerah Perak Tengah                 | 2020          | 18,668.0 <sup>r</sup>                                                           | 34,214,194.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2021          | 20,980.5 <sup>r</sup>                                                           | 34,675,000.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2022          | 11,658.0                                                                        | 35,770,000.0                                                                  | 0.0                                                                                 |
| Majlis Daerah Selama                       | 2020          | 50.0 <sup>r</sup>                                                               | 11,793.0 <sup>r</sup>                                                         | 0.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 200.0 <sup>r</sup>                                                              | 83,000.0 <sup>r</sup>                                                         | 0.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 17,000.0                                                                        | 11,680,000.0                                                                  | 0.1                                                                                 |
| Majlis Daerah Tanjong Malim                | 2020          | 2,519.5 <sup>r</sup>                                                            | 27,893,610.0 <sup>r</sup>                                                     | 0.0                                                                                 |
|                                            | 2021          | 3,850.0 <sup>r</sup>                                                            | 14,372,370.0 <sup>r</sup>                                                     | 0.0                                                                                 |
|                                            | 2022          | 13,740.0                                                                        | 16,425,000.0                                                                  | 0.1                                                                                 |
| Majlis Daerah Tapah                        | 2020          | 14,500.0 <sup>r</sup>                                                           | 19,200,000.0 <sup>r</sup>                                                     | 0.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 14,600,000.0 <sup>r</sup>                                                       | 19,400,000.0 <sup>r</sup>                                                     | 75.3 <sup>r</sup>                                                                   |
|                                            | 2022          | 14,600,000.0                                                                    | 19,400,000.0                                                                  | 75.3                                                                                |
| PERLIS                                     | 2020          | 417,190.9 <sup>r</sup>                                                          | 56,428,000.7 <sup>r</sup>                                                     | 0.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 556,274.1 <sup>r</sup>                                                          | 49,778,030.0 <sup>r</sup>                                                     | 1.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 725,831.9                                                                       | 39,620,020.0                                                                  | 1.8                                                                                 |
| Majlis Perbandaran Kangar                  | 2020          | 417,190.9 <sup>r</sup>                                                          | 56,428,000.7 <sup>r</sup>                                                     | 0.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 556,274.1 <sup>r</sup>                                                          | 49,778,030.0 <sup>r</sup>                                                     | 1.1 <sup>r</sup>                                                                    |
|                                            | 2022          | 725,831.9                                                                       | 39,620,020.0                                                                  | 1.8                                                                                 |
| PULAU PINANG                               | 2020          | 871,553,945.0 <sup>r</sup>                                                      | 1,600,748,715.0 <sup>r</sup>                                                  | 54.4 <sup>r</sup>                                                                   |
|                                            | 2021          | 825,727,560.0 <sup>r</sup>                                                      | 1,495,358,723.0 <sup>r</sup>                                                  | 55.2 <sup>r</sup>                                                                   |
|                                            | 2022          | 217,195,746.0                                                                   | 499,095,800.0                                                                 | 43.5                                                                                |
| Majlis Bandaraya Pulau Pinang              | 2020          | 112,846,740.0 <sup>r</sup>                                                      | 243,807,410.0 <sup>r</sup>                                                    | 46.3 <sup>r</sup>                                                                   |
|                                            | 2021          | 115,942,560.0 <sup>r</sup>                                                      | 246,731,510.0 <sup>r</sup>                                                    | 47.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 116,755,090.0                                                                   | 247,994,160.0                                                                 | 47.1                                                                                |
| Majlis Bandaraya Seberang Perai            | 2020          | 758,707,205.0 <sup>r</sup>                                                      | 1,356,941,305.0 <sup>r</sup>                                                  | 55.9 <sup>r</sup>                                                                   |
|                                            | 2021          | 709,785,000.0 <sup>r</sup>                                                      | 1,248,627,213.0 <sup>r</sup>                                                  | 56.8 <sup>r</sup>                                                                   |
|                                            | 2022          | 100,440,656.0                                                                   | 251,101,640.0                                                                 | 40.0                                                                                |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes:**

1. 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

2. <sup>r</sup> Dikemaskini  
*Revised*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>SABAH</b>                               | <b>2020</b>   | <b>149,354,661.5</b>                                                            | <b>722,375,205.0</b>                                                          | <b>20.7</b>                                                                         |
|                                            | <b>2021</b>   | <b>15,047,998.3</b>                                                             | <b>769,524,982.3</b>                                                          | <b>2.0</b>                                                                          |
|                                            | <b>2022</b>   | <b>2,586,228.0</b>                                                              | <b>642,000,201.0</b>                                                          | <b>0.4</b>                                                                          |
| Dewan Bandaraya Kota Kinabalu              | 2020          | 145,000,000.0                                                                   | 311,050,000.0                                                                 | 46.6                                                                                |
|                                            | 2021          | 52,548.9                                                                        | 318,514,695.0                                                                 | 0.0                                                                                 |
|                                            | 2022          | 53,599.9                                                                        | 326,477,562.0                                                                 | 0.0                                                                                 |
| Majlis Perbandaran Sandakan                | 2020          | 453,450.5                                                                       | 127,750,000.0                                                                 | 0.4                                                                                 |
|                                            | 2021          | 4,004,701.0                                                                     | 97,975,951.9                                                                  | 4.1                                                                                 |
|                                            | 2022          | 42,959.8                                                                        | 52,835,038.0                                                                  | 0.1                                                                                 |
| Majlis Perbandaran Tawau                   | 2020          | n.a                                                                             | 97,754,880.0                                                                  | n.a                                                                                 |
|                                            | 2021          | 9,015,506.0                                                                     | 90,155,000.0                                                                  | 10.0                                                                                |
|                                            | 2022          | 400,000.0                                                                       | 35,171,060.0                                                                  | 1.1                                                                                 |
| Lembaga Bandaran Kudat                     | 2020          | n.a                                                                             | 6,090.0                                                                       | n.a                                                                                 |
|                                            | 2021          | 29,750.0                                                                        | 42,064.4                                                                      | 70.7                                                                                |
|                                            | 2022          | 600.0                                                                           | 626.0                                                                         | 95.8                                                                                |
| Majlis Daerah Beaufort                     | 2020          | n.a                                                                             | 35,000.0                                                                      | n.a                                                                                 |
|                                            | 2021          | 6,006.4                                                                         | 50,000.0                                                                      | 12.0                                                                                |
|                                            | 2022          | 64,406.3                                                                        | 15,330,000.0                                                                  | 0.4                                                                                 |
| Majlis Daerah Beluran                      | 2020          | n.a                                                                             | 6,816,000.0                                                                   | n.a                                                                                 |
|                                            | 2021          | 357.0                                                                           | 25,200,000.0                                                                  | 0.0                                                                                 |
|                                            | 2022          | 500.0                                                                           | 1,095,000.0                                                                   | 0.0                                                                                 |
| Majlis Daerah Keningau                     | 2020          | 3,617,211.0                                                                     | 21,280,858.0                                                                  | 17.0                                                                                |
|                                            | 2021          | 316,499.0                                                                       | 22,737,812.0                                                                  | 1.4                                                                                 |
|                                            | 2022          | 1,302.0                                                                         | 27,109.0                                                                      | 4.8                                                                                 |
| Majlis Daerah Kinabatangan                 | 2020          | 84,000.0                                                                        | 7,065,600.0                                                                   | 1.2                                                                                 |
|                                            | 2021          | 1,370,880.0                                                                     | 5,049,600.0                                                                   | 27.1                                                                                |
|                                            | 2022          | 1,450,000.0                                                                     | 5,120,000.0                                                                   | 28.3                                                                                |
| Majlis Daerah Kota Belud                   | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 5,157,450.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 6,144,744.0                                                                   | n.a                                                                                 |
| Majlis Daerah Kota Marudu                  | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 16,425.0                                                                      | n.a                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes:**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. n.a** tidak berkenaan  
*not applicable*

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Kuala Penyu                  | 2020          | n.a                                                                             | 6,096,048.0                                                                   | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 6,144,000.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 6,144,000.0                                                                   | n.a                                                                                 |
| Majlis Daerah Kunak                        | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 13,500,000.0                                                                  | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 5,040,000.0                                                                   | n.a                                                                                 |
| Majlis Daerah Lahad Datu                   | 2020          | n.a                                                                             | 52,452,000.0                                                                  | n.a                                                                                 |
|                                            | 2021          | 15,000.0                                                                        | 85,320,000.0                                                                  | 0.0                                                                                 |
|                                            | 2022          | 1,677.0                                                                         | 71,379,360.0                                                                  | 0.0                                                                                 |
| Majlis Daerah Nabawan                      | 2020          | n.a                                                                             | 371,455.0                                                                     | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 2,357,850.0                                                                   | n.a                                                                                 |
| Majlis Daerah Papar                        | 2020          | n.a                                                                             | 54,750.0                                                                      | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | 200,000.0                                                                       | 744,000.0                                                                     | 26.9                                                                                |
| Majlis Daerah Penampang                    | 2020          | n.a                                                                             | 45,499,988.0                                                                  | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 22,396,826.0                                                                  | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 23,947,585.0                                                                  | n.a                                                                                 |
| Majlis Daerah Pitas                        | 2020          | n.a                                                                             | 56,000.0                                                                      | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 5,840,000.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 5,840,000.0                                                                   | n.a                                                                                 |
| Majlis Daerah Putatan                      | 2020          | n.a                                                                             | 10,950,000.0                                                                  | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 2,264,333.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 2,676,000.0                                                                   | n.a                                                                                 |
| Majlis Daerah Ranau                        | 2020          | n.a                                                                             | 388,800.0                                                                     | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 388,800.0                                                                     | n.a                                                                                 |
|                                            | 2022          | 108,000.0                                                                       | 388,800.0                                                                     | 27.8                                                                                |
| Majlis Daerah Semporna                     | 2020          | 30,000.0                                                                        | 22,320,000.0                                                                  | 0.1                                                                                 |
|                                            | 2021          | n.a                                                                             | 25,550,000.0                                                                  | n.a                                                                                 |
|                                            | 2022          |                                                                                 | 31,231,590.0                                                                  | n.a                                                                                 |
| Majlis Daerah Sipitang                     | 2020          | 170,000.0                                                                       | 2,140,000.0                                                                   | 7.9                                                                                 |
|                                            | 2021          | 182,000.0                                                                       | 3,369,050.0                                                                   | 5.4                                                                                 |
|                                            | 2022          | 190,183.0                                                                       | 3,692,712.0                                                                   | 5.2                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes :**

**1. 0.0** merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*

**2. n.a** tidak berkenaan  
*not applicable*



**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Tambunan                     | 2020          | n.a                                                                             | 6,480,000.0                                                                   | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 6,480,000.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 6,480,000.0                                                                   | n.a                                                                                 |
| Majlis Daerah Telupid                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | 2,364,400.0                                                                   | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 2,189,500.0                                                                   | n.a                                                                                 |
| Majlis Daerah Tenom                        | 2020          | n.a                                                                             | 3,807,736.0                                                                   | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 4,666,335.0                                                                   | n.a                                                                                 |
| Majlis Daerah Tongod                       | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | 154,905.0                                                                     | n.a                                                                                 |
| Majlis Daerah Tuaran                       | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | 54,750.0                                                                        | 31,025,000.0                                                                  | 0.2                                                                                 |
|                                            | 2022          | 73,000.0                                                                        | 32,850,000.0                                                                  | 0.2                                                                                 |
| <b>SARAWAK</b>                             | <b>2020</b>   | <b>n.a</b>                                                                      | <b>n.a</b>                                                                    | <b>n.a</b>                                                                          |
|                                            | <b>2021</b>   | <b>n.a</b>                                                                      | <b>n.a</b>                                                                    | <b>n.a</b>                                                                          |
|                                            | <b>2022</b>   | <b>n.a</b>                                                                      | <b>n.a</b>                                                                    | <b>n.a</b>                                                                          |
| Dewan Bandaraya Kuching Utara              | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Bandaraya Kuching Selatan           | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Bandaraya Miri                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Lembaga Kemajuan Bintulu                   | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Perbandaran Kota Samarahan          | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Note :**

**n.a tidak berkenaan**  
not applicable

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Perbandaran Padawan                 | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Perbandaran Sibul                   | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Bau                          | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Betong                       | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Dalat & Mukah                | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Kanowit                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Kapit                        | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Lawas                        | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Limbang                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Luar Bandar Sibul            | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Lubok Antu                   | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Note :**

**n.a tidak berkenaan**  
not applicable

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Daerah Lundu                        | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Maradong & Julau             | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Marudi                       | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Matu & Daro                  | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Saratok                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Sarikei                      | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Serian                       | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Simunjan                     | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Sri Aman                     | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
| Majlis Daerah Subis                        | 2020          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2021          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |
|                                            | 2022          | n.a                                                                             | n.a                                                                           | n.a                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Note :**

**n.a tidak berkenaan**  
not applicable

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SELANGOR                                   | 2020          | 194,118,628.4 <sup>r</sup>                                                      | 1,747,319,652.0 <sup>r</sup>                                                  | 11.1 <sup>r</sup>                                                                   |
|                                            | 2021          | 449,199,198.9 <sup>r</sup>                                                      | 1,803,959,390.0 <sup>r</sup>                                                  | 24.9 <sup>r</sup>                                                                   |
|                                            | 2022          | 591,162,579.5                                                                   | 1,727,920,527.0                                                               | 34.2                                                                                |
| Majlis Bandaraya Petaling Jaya             | 2020          | 11,900,875.0 <sup>r</sup>                                                       | 168,238,300.0 <sup>r</sup>                                                    | 7.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 70,859,080.0 <sup>r</sup>                                                       | 167,718,160.0 <sup>r</sup>                                                    | 42.2 <sup>r</sup>                                                                   |
|                                            | 2022          | 56,308,805.5                                                                    | 134,009,860.0                                                                 | 42.0                                                                                |
| Majlis Bandaraya Shah Alam                 | 2020          | 43,619,824.3 <sup>r</sup>                                                       | 189,218,390.0 <sup>r</sup>                                                    | 23.1 <sup>r</sup>                                                                   |
|                                            | 2021          | 57,491,061.4 <sup>r</sup>                                                       | 183,205,912.0 <sup>r</sup>                                                    | 31.4 <sup>r</sup>                                                                   |
|                                            | 2022          | 71,543,115.6                                                                    | 202,824,927.0                                                                 | 35.3                                                                                |
| Majlis Bandaraya Subang Jaya               | 2020          | 36,286,770.0 <sup>r</sup>                                                       | 257,959,440.0 <sup>r</sup>                                                    | 14.1 <sup>r</sup>                                                                   |
|                                            | 2021          | 53,145,770.0 <sup>r</sup>                                                       | 269,700,230.0 <sup>r</sup>                                                    | 19.7 <sup>r</sup>                                                                   |
|                                            | 2022          | 77,661,250.0                                                                    | 230,848,830.0                                                                 | 33.6                                                                                |
| Majlis Perbandaran Ampang Jaya             | 2020          | 3,805,743.5 <sup>r</sup>                                                        | 148,960,590.0 <sup>r</sup>                                                    | 2.6 <sup>r</sup>                                                                    |
|                                            | 2021          | 4,227,316.8 <sup>r</sup>                                                        | 150,462,750.0 <sup>r</sup>                                                    | 2.8 <sup>r</sup>                                                                    |
|                                            | 2022          | 35,038,837.0                                                                    | 82,777,610.0                                                                  | 42.3                                                                                |
| Majlis Perbandaran Hulu Selangor           | 2020          | 4,441,300.0 <sup>r</sup>                                                        | 62,499,500.0 <sup>r</sup>                                                     | 7.1 <sup>r</sup>                                                                    |
|                                            | 2021          | 5,287,920.0 <sup>r</sup>                                                        | 64,307,170.0 <sup>r</sup>                                                     | 8.2 <sup>r</sup>                                                                    |
|                                            | 2022          | 25,564,267.0                                                                    | 60,880,890.0                                                                  | 42.0                                                                                |
| Majlis Perbandaran Kajang                  | 2020          | 41,253,200.0 <sup>r</sup>                                                       | 235,257,460.0 <sup>r</sup>                                                    | 17.5 <sup>r</sup>                                                                   |
|                                            | 2021          | 45,654,200.0 <sup>r</sup>                                                       | 250,832,680.0 <sup>r</sup>                                                    | 18.2 <sup>r</sup>                                                                   |
|                                            | 2022          | 75,603,129.0                                                                    | 248,674,300.0                                                                 | 30.4                                                                                |
| Majlis Perbandaran Klang                   | 2020          | 6,108,970.0 <sup>r</sup>                                                        | 254,415,140.0 <sup>r</sup>                                                    | 2.4 <sup>r</sup>                                                                    |
|                                            | 2021          | 83,469,334.6 <sup>r</sup>                                                       | 264,198,070.0 <sup>r</sup>                                                    | 31.6 <sup>r</sup>                                                                   |
|                                            | 2022          | 99,168,894.1                                                                    | 272,952,200.0                                                                 | 36.3                                                                                |
| Majlis Perbandaran Kuala Langat            | 2020          | 1,865,115.6 <sup>r</sup>                                                        | 62,224,720.0 <sup>r</sup>                                                     | 3.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 1,619,532.5 <sup>r</sup>                                                        | 70,597,840.0 <sup>r</sup>                                                     | 2.3 <sup>r</sup>                                                                    |
|                                            | 2022          | 30,082,651.0                                                                    | 70,492,010.0                                                                  | 42.7                                                                                |
| Majlis Perbandaran Kuala Selangor          | 2020          | 516,186.0 <sup>r</sup>                                                          | 55,343,790.0 <sup>r</sup>                                                     | 0.9 <sup>r</sup>                                                                    |
|                                            | 2021          | 346,414.0 <sup>r</sup>                                                          | 63,577,470.0 <sup>r</sup>                                                     | 0.5 <sup>r</sup>                                                                    |
|                                            | 2022          | 565,569.0                                                                       | 67,713,930.0                                                                  | 0.8                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

Nota/ Note :

<sup>r</sup> Dikemaskini  
Revised

**Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar

*Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities

**Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)

*Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br>Local authority | Tahun<br>Year | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br>Recycled Solid Waste (Kilograms) | Sisa pepejal yang dikumpulkan (Kilogram)<br>Solid Waste Collected (Kilograms) | Peratus sisa pepejal yang dikitar semula (%)<br>Proportion solid waste recycled (%) |
|--------------------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Majlis Perbandaran Selayang                | 2020          | 42,886,414.0 <sup>r</sup>                                                       | 228,332,140.0 <sup>r</sup>                                                    | 18.8 <sup>r</sup>                                                                   |
|                                            | 2021          | 101,608,251.6 <sup>r</sup>                                                      | 221,018,590.0 <sup>r</sup>                                                    | 46.0 <sup>r</sup>                                                                   |
|                                            | 2022          | 70,530,912.4                                                                    | 209,817,160.0                                                                 | 33.6                                                                                |
| Majlis Perbandaran Sepang                  | 2020          | 1,418,204.0 <sup>r</sup>                                                        | 52,918,072.0 <sup>r</sup>                                                     | 2.7 <sup>r</sup>                                                                    |
|                                            | 2021          | 25,471,484.0 <sup>r</sup>                                                       | 63,001,528.0 <sup>r</sup>                                                     | 40.4 <sup>r</sup>                                                                   |
|                                            | 2022          | 49,063,629.0                                                                    | 114,459,620.0                                                                 | 42.9                                                                                |
| Majlis Daerah Sabak Bernam                 | 2020          | 16,026.0 <sup>r</sup>                                                           | 31,952,110.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2021          | 18,834.0 <sup>r</sup>                                                           | 35,338,990.0 <sup>r</sup>                                                     | 0.1                                                                                 |
|                                            | 2022          | 31,520.0                                                                        | 32,469,190.0                                                                  | 0.1                                                                                 |
| <b>TERENGGANU</b>                          | <b>2020</b>   | <b>81,655,448.4 <sup>r</sup></b>                                                | <b>267,707,220.5 <sup>r</sup></b>                                             | <b>30.5 <sup>r</sup></b>                                                            |
|                                            | <b>2021</b>   | <b>1,985,738.4 <sup>r</sup></b>                                                 | <b>232,331,761.7 <sup>r</sup></b>                                             | <b>0.9 <sup>r</sup></b>                                                             |
|                                            | <b>2022</b>   | <b>34,222,263.4</b>                                                             | <b>260,645,025.0</b>                                                          | <b>13.1</b>                                                                         |
| Majlis Bandaraya Kuala Terengganu          | 2020          | 80,280,227.3 <sup>r</sup>                                                       | 91,020,303.0 <sup>r</sup>                                                     | 88.2 <sup>r</sup>                                                                   |
|                                            | 2021          | 591,040.0 <sup>r</sup>                                                          | 67,884,000.0 <sup>r</sup>                                                     | 0.9 <sup>r</sup>                                                                    |
|                                            | 2022          | 32,370,038.0                                                                    | 78,951,314.0                                                                  | 41.0                                                                                |
| Majlis Perbandaran Dungun                  | 2020          | 853,453.5 <sup>r</sup>                                                          | 18,665,670.0 <sup>r</sup>                                                     | 4.6 <sup>r</sup>                                                                    |
|                                            | 2021          | 439,352.0 <sup>r</sup>                                                          | 15,284,001.0 <sup>r</sup>                                                     | 2.9 <sup>r</sup>                                                                    |
|                                            | 2022          | 464,553.9                                                                       | 29,817,820.0                                                                  | 1.6                                                                                 |
| Majlis Perbandaran Kemaman                 | 2020          | 245,829.6 <sup>r</sup>                                                          | 86,196,757.5 <sup>r</sup>                                                     | 0.3                                                                                 |
|                                            | 2021          | 502,767.5 <sup>r</sup>                                                          | 57,368,610.0 <sup>r</sup>                                                     | 0.9 <sup>r</sup>                                                                    |
|                                            | 2022          | 732,411.3                                                                       | 58,786,401.0                                                                  | 1.2                                                                                 |
| Majlis Daerah Besut                        | 2020          | 53,450.0 <sup>r</sup>                                                           | 23,879,400.0 <sup>r</sup>                                                     | 0.2 <sup>r</sup>                                                                    |
|                                            | 2021          | 62,070.0 <sup>r</sup>                                                           | 26,783,000.7 <sup>r</sup>                                                     | 0.2                                                                                 |
|                                            | 2022          | 297,100.7                                                                       | 28,864,960.0                                                                  | 1.0                                                                                 |
| Majlis Daerah Hulu Terengganu              | 2020          | n.a                                                                             | 40,000.0 <sup>r</sup>                                                         | n.a                                                                                 |
|                                            | 2021          | 138,800.0 <sup>r</sup>                                                          | 25,000,000.0 <sup>r</sup>                                                     | 0.6 <sup>r</sup>                                                                    |
|                                            | 2022          | 140,500.0                                                                       | 26,353,000.0                                                                  | 0.5                                                                                 |
| Majlis Daerah Marang                       | 2020          | 220,950.0 <sup>r</sup>                                                          | 21,905,190.0 <sup>r</sup>                                                     | 1.0 <sup>r</sup>                                                                    |
|                                            | 2021          | 233,050.0 <sup>r</sup>                                                          | 22,492,150.0 <sup>r</sup>                                                     | 1.0 <sup>r</sup>                                                                    |
|                                            | 2022          | 193,630.0                                                                       | 21,081,530.0                                                                  | 0.9                                                                                 |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes :**

**1. n.a tidak berkenaan**  
not applicable

**2. <sup>r</sup> Dikemaskini**  
Revised

- Indikator 11.6.1** : Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan mengikut bandar
- Indicator 11.6.1* : Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities
- Jadual D5** : Peratusan sisa pepejal yang dikitar semula daripada jumlah sisa pepejal yang dikumpulkan mengikut negeri dan Pihak Berkuasa Tempatan, Malaysia, 2020-2022 (Proksi) (samb.)
- Table D5* : Proportion of solid waste recycled out of total solid waste collected by state and Local Authority, Malaysia, 2020-2022 (Proxy) (cont'd)

| Pihak Berkuasa Tempatan<br><i>Local authority</i> | Tahun<br><i>Year</i> | Sisa Pepejal Yang Dikitar Semula (Kilogram)<br><i>Recycled Solid Waste (Kilograms)</i> | Sisa pepejal yang dikumpulkan (Kilogram)<br><i>Solid Waste Collected (Kilograms)</i> | Peratus sisa pepejal yang dikitar semula (%)<br><i>Proportion solid waste recycled (%)</i> |
|---------------------------------------------------|----------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Majlis Daerah Setiu                               | 2020                 | 1,538.0 <sup>r</sup>                                                                   | 26,000,000.0 <sup>r</sup>                                                            | 0.0                                                                                        |
|                                                   | 2021                 | 18,658.9 <sup>r</sup>                                                                  | 17,520,000.0 <sup>r</sup>                                                            | 0.1 <sup>r</sup>                                                                           |
|                                                   | 2022                 | 24,029.5                                                                               | 16,790,000.0                                                                         | 0.1                                                                                        |
| <b>WILAYAH PERSEKUTUAN</b>                        | <b>2020</b>          | <b>189,288,561.2 <sup>r</sup></b>                                                      | <b>804,265,890.0 <sup>r</sup></b>                                                    | <b>23.5 <sup>r</sup></b>                                                                   |
|                                                   | <b>2021</b>          | <b>6,411,290.9 <sup>r</sup></b>                                                        | <b>747,876,850.0 <sup>r</sup></b>                                                    | <b>0.9 <sup>r</sup></b>                                                                    |
|                                                   | <b>2022</b>          | <b>7,490,945.9</b>                                                                     | <b>591,281,290.0</b>                                                                 | <b>1.3</b>                                                                                 |
| Dewan Bandaraya Kuala Lumpur                      | 2020                 | 184,952,084.0 <sup>r</sup>                                                             | 751,837,740.0 <sup>r</sup>                                                           | 24.6 <sup>r</sup>                                                                          |
|                                                   | 2021                 | 1,088,763.6 <sup>r</sup>                                                               | 693,099,440.0 <sup>r</sup>                                                           | 0.2 <sup>r</sup>                                                                           |
|                                                   | 2022                 | 1,197,088.9                                                                            | 529,399,780.0                                                                        | 0.2                                                                                        |
| Perbadanan Putrajaya                              | 2020                 | 4,314,204.0 <sup>r</sup>                                                               | 30,906,280.0 <sup>r</sup>                                                            | 14.0 <sup>r</sup>                                                                          |
|                                                   | 2021                 | 5,310,747.0 <sup>r</sup>                                                               | 33,740,220.0 <sup>r</sup>                                                            | 15.7 <sup>r</sup>                                                                          |
|                                                   | 2022                 | 6,282,659.0                                                                            | 34,239,960.0                                                                         | 18.3                                                                                       |
| Perbadanan Labuan                                 | 2020                 | 22,273.2 <sup>r</sup>                                                                  | 21,521,870.0 <sup>r</sup>                                                            | 0.1 <sup>r</sup>                                                                           |
|                                                   | 2021                 | 11,780.3 <sup>r</sup>                                                                  | 21,037,190.0 <sup>r</sup>                                                            | 0.1                                                                                        |
|                                                   | 2022                 | 11,198.0                                                                               | 27,641,550.0                                                                         | 0.0                                                                                        |

Sumber: MURNInets, PLANMalaysia (Jabatan Perancangan Bandar Dan Desa)  
Source: MURNInets, PLANMalaysia (Department of Town and Country Planning)

**Nota/ Notes :**

- Sisa pepejal yang dijana meliputi sisa pepejal yang dihasilkan oleh isi rumah atau dikeluarkan oleh mana-mana premis yang dihuni sebagai rumah kediaman  
*Solid waste generated covers solid waste produced by households or removed by any premises occupied as a residential house*
- Data merupakan kutipan sisa pepejal oleh Pihak Berkuasa Tempatan (PBT) dan Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam Negara (SWCorp)  
*Data is solid waste collection by the Local Authority (PBT) and the Solid Waste Management and Public Cleansing Corporation (SWCorp)*
- Data sisa pepejal yang dikitar semula adalah berdasarkan program dan projek yang dilaksanakan oleh PBT. Penyertaan program dan projek ini adalah secara sukarela oleh PBT yang terlibat.  
*Recycled solid waste data based on programs and projects implemented by Local Authority. Participation in these programs and projects is voluntary by the Local Authority involved*
- Negeri Sarawak masih belum menyertai Program MURNInets Tahun 2022  
*Sarawak has not yet participated in the MURNInets 2022 Program*
- 0.0 merujuk kepada kurang daripada setengah unit terkecil yang ditunjukkan  
*refers to less than half smallest unit shown*
- <sup>r</sup> Dikemaskini  
*Revised*



# BAHAGIAN *PART*

# 5

**Nota Teknikal**  
*Technical Notes*

**Singkatan**  
*Abbreviations*

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

**MATLAMAT 7: TENAGA MAMPU MILIK DAN BERSIH**

| INDIKATOR           | 7.1.1 Peratusan penduduk dengan akses kepada bekalan elektrik                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Perkadaran penduduk dengan akses kepada bekalan elektrik adalah peratusan penduduk dengan akses kepada bekalan elektrik.</p> <p><b><u>Nasional</u></b></p> <p>Peratusan isi rumah yang mengakses kepada bekalan elektrik adalah isi rumah yang mempunyai akses kepada elektrik yang dibekalkan oleh syarikat elektrik (seperti Tenaga Nasional Berhad, Sabah Electricity Sdn. Bhd dan lain-lain). Ini juga merangkumi elektrik yang dibekalkan melalui janakuasa sama ada dibekalkan oleh syarikat elektrik atau yang dimiliki oleh isi rumah. Tambahan pula, ia juga termasuk bekalan elektrik yang diperoleh menggunakan tenaga solar.</p>                                                                                                         |
| INDIKATOR           | 7.1.2 Peratusan penduduk dengan kebergantungan utama kepada bahan api dan teknologi bersih                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Peratusan penduduk dengan pergantungan utama kepada bahan api dan teknologi bersih dikira sebagai bilangan orang yang menggunakan bahan api dan teknologi bersih untuk memasak, memanaskan dan pencahayaan dibahagikan dengan jumlah penduduk yang melaporkan sebarang masakan, pemanasan atau pencahayaan, dinyatakan sebagai peratusan. "Bersih" didefinisikan oleh sasaran kadar pelepasan dan pengesyoran bahan api khusus (iaitu terhadap arang batu dan minyak tanah yang tidak diproses) yang disertakan dalam panduan normatif garis panduan WHO untuk kualiti udara dalaman: pembakaran bahan api isi rumah.</p> <p><b><u>Nasional</u></b></p> <p>Peratusan penduduk yang menggunakan sekurang-kurangnya dapur gas (LPG) untuk memasak.</p> |
| INDIKATOR           | 7.2.1 Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| KONSEP DAN DEFINISI | <p>Sumbangan tenaga boleh baharu dalam jumlah penggunaan tenaga akhir adalah peratusan penggunaan tenaga akhir yang diperoleh daripada sumber yang boleh diperbaharui.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| INDIKATOR           | 7.3.1 Intensiti tenaga yang diukur dari segi tenaga primer dan KDNK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| KONSEP DAN DEFINISI | <p>Intensiti tenaga adalah didefinisikan sebagai tenaga yang dibekalkan kepada nilai per unit keluaran ekonomi.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INDIKATOR           | 7.b.1 Kapasiti penjanaan tenaga boleh baharu yang dipasang di Negara membangun (dalam watt per kapita)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini didefinisikan sebagai kapasiti penjanaan loji kuasa yang menjana tenaga elektrik daripada sumber tenaga boleh diperbaharui dibahagikan dengan jumlah penduduk sesebuah negara. Kapasiti didefinisikan sebagai kapasiti elektrik maksimum bersih yang dijana pada akhir tahun dan sumber tenaga boleh diperbaharui adalah seperti yang didefinisikan dalam Statut IRENA.</p> <p>Konsep:</p> <p>Statut IRENA mendefinisikan tenaga boleh diperbaharui untuk memasukkan tenaga daripada sumber berikut: kuasa hidro; tenaga marin (tenaga lautan, pasang surut dan ombak); tenaga angin; tenaga suria (tenaga fotovoltan dan haba); biotenaga; dan tenaga geoterma.</p>                                                                   |

**MATLAMAT 8: PEKERJAAN YANG SESUAI DAN PERTUMBUHAN EKONOMI**

| INDIKATOR           | 8.1.1 Kadar pertumbuhan tahunan KDNK sebenar per kapita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b>Global</b></p> <p>Kadar pertumbuhan tahunan Keluaran Dalam Negeri Kasar (KDNK) sebenar per kapita dikira sebagai peratusan perubahan dalam KDNK sebenar per kapita antara dua tahun berturut-turut. KDNK sebenar per kapita dikira dengan membahagikan KDNK pada harga malar dengan penduduk negara atau kawasan. Data bagi KDNK sebenar diukur dalam dolar AS pada harga malar untuk memudahkan pengiraan kadar pertumbuhan negara dan pengagregatan data negara.</p> <p><b>Nasional</b></p> <p>Kadar pertumbuhan tahunan Keluaran Dalam Negeri Kasar (KDNK) sebenar per kapita dikira sebagai peratusan perubahan dalam KDNK sebenar per kapita antara dua tahun berturut-turut. KDNK sebenar per kapita (dalam RM) dikira dengan membahagikan KDNK pada harga malar dengan penduduk.</p> |
| INDIKATOR           | 8.2.1 Kadar pertumbuhan tahunan KDNK sebenar bagi setiap pekerja                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| KONSEP DAN DEFINISI | Kadar pertumbuhan tahunan Keluaran Dalam Negeri Kasar (KDNK) sebenar bagi setiap orang yang bekerja menunjukkan peratusan perubahan tahunan KDNK sebenar bagi setiap pekerja.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| INDIKATOR           | 8.3.1 Peratusan guna tenaga informal dalam jumlah guna tenaga, mengikut sektor dan jantina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KONSEP DAN DEFINISI | <p><b>Global</b></p> <p>Indikator ini menunjukkan sumbangan guna tenaga yang diklasifikasikan sebagai guna tenaga informal dalam keseluruhan ekonomi, dan secara berasingan dalam pertanian dan bukan pertanian.</p> <p><b>Proksi</b></p> <p>Sumbangan guna tenaga dalam sektor informal (tidak termasuk pegawai kerajaan dan pegawai di sektor pertanian, perhutanan dan perikanan).</p>                                                                                                                                                                                                                                                                                                                                                                                                         |
| FORMULA             | <p><b>Proksi</b></p> $X_1 = \frac{\text{Guna tenaga dalam sektor informal}}{\text{Guna tenaga dalam sektor bukan pertanian}} \times 100$ <p>Dimana,<br/>X<sub>1</sub> merujuk kepada peratusan guna tenaga dalam sektor informal</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| INDIKATOR           | 8.4.2 Penggunaan bahan dalam negeri, penggunaan bahan dalam negeri per kapita dan penggunaan bahan dalam negeri per KDNK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KONSEP DAN DEFINISI | <p><b>Global</b></p> <p>Penggunaan Bahan Domestik (DMC) adalah indikator Perakaunan Aliran Bahan standard (MFA) dan laporan penggunaan bahan yang ketara dalam ekonomi negara.</p> <p><b>Proksi</b></p> <p>Intensiti tenaga dan penggunaan tenaga, Malaysia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



| INDIKATOR           | 8.5.1 Purata pendapatan mengikut jam bagi pekerja, mengikut jantina, umur, pekerjaan, dan orang kurang upaya                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini memberikan maklumat mengenai purata pendapatan per jam daripada pekerjaan pekerja yang dibayar mengikut jantina, pekerjaan, umur dan status kurang upaya.</p> <p><b><u>Proksi</u></b></p> <p>Purata gaji &amp; upah bulanan pekerja mengikut negeri dan jantina serta purata gaji &amp; upah bulanan pekerja mengikut pekerjaan dan jantina.</p>                                                                                                                                        |
| INDIKATOR           | 8.5.2 Kadar pengangguran mengikut jantina, umur dan orang kurang upaya                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Kadar pengangguran menunjukkan peratusan orang dalam tenaga buruh yang menganggur.</p> <p><b><u>Nasional</u></b></p> <p>Kadar pengangguran menunjukkan peratusan penduduk menganggur kepada jumlah penduduk dalam tenaga buruh.</p>                                                                                                                                                                                                                                                                   |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{Bilangan orang yang menganggur}}{\text{Bilangan orang dalam tenaga buruh}} \times 100$ <p>Dimana,<br/>X<sub>1</sub> merujuk kepada kadar pengangguran</p>                                                                                                                                                                                                                                                                                                                           |
| INDIKATOR           | 8.6.1 Kadar belia (berumur 15-24 tahun) yang bukan dalam pendidikan, pekerjaan atau latihan                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini menunjukkan peratusan belia (berumur 15-24 tahun) yang bukan dalam pendidikan, pekerjaan atau latihan (juga dikenal sebagai "kadar NEET belia").</p> <p><b><u>Nasional</u></b></p> <p>Indikator ini menunjukkan proksi peratusan belia (berumur 15-24 tahun) yang bukan dalam pendidikan, pekerjaan atau latihan (juga dikenal sebagai "kadar NEET belia") di Malaysia berdasarkan sampel terpilih daripada Survei Tenaga Buruh yang dilaksanakan oleh Jabatan Perangkaan Malaysia.</p> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{(\text{Penganggur belia} + \text{Luar tenaga buruh belia}) - (\text{Penganggur belia dalam persekolahan} + \text{Luar tenaga buruh belia dalam persekolahan})}{\text{Belia}} \times 100$ <p>Dimana,<br/>X<sub>1</sub> merujuk kepada kadar NEET belia</p>                                                                                                                                                                                                                                 |



| INDIKATOR           | 8.8.1 Kecelakaan maut dan bukan maut pekerjaan bagi setiap 100,000 pekerja mengikut jantina dan status migran                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini memberikan maklumat mengenai jumlah kecederaan maut dan bukan maut bagi setiap 100,000 pekerja dalam kumpulan yang dinyatakan dalam tempoh rujukan. Ini adalah ukuran kemungkinan peribadi atau risiko mengalami kecederaan maut atau bukan maut bagi setiap pekerja dalam kumpulan yang dinyatakan. Bilangan kecederaan pekerjaan yang dinyatakan bagi sebilangan pekerja dalam kumpulan yang dinyatakan juga dikenali sebagai kadar kecederaan pekerjaan.</p> <p><b><u>Nasional</u></b></p> <p>Kadar kecederaan pekerjaan dikira sebagai jumlah kes baharu kecederaan maut dan kecederaan bukan maut pada tahun rujukan dibahagi dengan jumlah purata bilangan pekerja dalam kumpulan yang dinyatakan pada tahun rujukan, didarabkan dengan 100,000.</p> <p>Kecelakaan pekerjaan ialah sebarang kecederaan diri, penyakit atau kematian akibat kemalangan pekerjaan. Oleh itu, kecederaan pekerjaan adalah berbeza daripada penyakit pekerjaan, iaitu penyakit yang dijangkiti akibat pendedahan dalam jangka masa yang panjang kepada faktor risiko yang timbul daripada aktiviti kerja. Kriteria kemasukan utama untuk kecederaan pekerjaan:</p> <p>a. Kecelakaan maut pekerjaan: kecederaan pekerjaan yang membawa kepada kematian dalam tempoh satu tahun dari hari kemalangan pekerjaan; atau</p> <p>b. Kecelakaan tidak maut pekerjaan: kecederaan pekerjaan yang mengakibatkan ketidakupayaan untuk bekerja sekurang-kurangnya empat hari berturut-turut, termasuk hari kemalangan pekerjaan.</p> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{Jumlah kes baru kecederaan pekerjaan pada tahun rujukan}}{\text{Purata bilangan pekerja dalam kumpulan yang dinyatakan pada tahun rujukan}} \times 100,000$ <p>Dimana,</p> <p>X<sub>1</sub> merujuk kepada kadar kecederaan pekerjaan</p> $X_2 = \frac{\text{Jumlah kes baru kecederaan maut pekerjaan pada tahun rujukan}}{\text{Purata bilangan pekerja dalam kumpulan yang dinyatakan pada tahun rujukan}} \times 100,000$ <p>Dimana,</p> <p>X<sub>2</sub> merujuk kepada kadar kecederaan maut pekerjaan</p> $X_3 = \frac{\text{Jumlah kes baru kecederaan bukan maut pekerjaan pada tahun rujukan}}{\text{Purata bilangan pekerja dalam kumpulan yang dinyatakan pada tahun rujukan}} \times 100,000$ <p>Dimana,</p> <p>X<sub>3</sub> merujuk kepada kadar kecederaan bukan maut pekerjaan</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDIKATOR           | <b>8.8.2 Tahap kepatuhan nasional terhadap hak pekerja (kebebasan berserikat dan perundingan bersama) berdasarkan sumber tekstual dan undang-undang nasional Organisasi Buruh Antarabangsa (ILO), mengikut jantina dan status migran</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator mengukur tahap pematuhan negara terhadap hak asasi di tempat kerja (kebebasan berpersatuan dan perundangan kolektif, FACB) untuk semua negara anggota ILO berdasarkan enam sumber teks badan penyeliaan ILO antarabangsa dan juga perundangan negara. Ia berdasarkan pengekodan sumber teks terhadap senarai kriteria penilaian dan kemudian menukar pengekodan kepada indikator.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| INDIKATOR           | <b>8.9.1 KDNK daripada pelancongan langsung sebagai sebahagian daripada jumlah KDNK dan kadar pertumbuhan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Keluaran Dalam Negeri Kasar Pelancongan Langsung (TDGDP) didefinisikan sebagai jumlah bahagian dari nilai ditambah kasar (pada harga asas) yang dihasilkan oleh semua industri sebagai tindak balas terhadap penggunaan pelancongan dalaman ditambah jumlah cukai bersih ke atas produk dan import yang termasuk dalam nilai perbelanjaan ini dengan harga pembeli. Indikator tersebut bergantung pada Akaun Satelit Pelancongan: <i>Recommended Methodological Framework 2008</i>, piawaian antarabangsa yang diterima pakai oleh Suruhanjaya Statistik PBB dan diuraikan oleh UNWTO, OECD dan EUROSTAT.</p> <p><b><u>Nasional</u></b></p> <p>Keluaran Dalam Negeri Kasar Pelancongan Langsung (KDNKPL) adalah jumlah sebahagian nilai ditambah kasar (pada harga asas) yang dihasilkan oleh semua industri sebagai tindak balas terhadap penggunaan dalaman. Jumlah cukai bersih terhadap produk dan import termasuk dalam nilai perbelanjaan ini dengan harga pembeli.</p> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{TDGDP}}{\text{Jumlah GDP}} \times 100$ <p>Dimana,</p> <p>X<sub>1</sub> merujuk kepada peratusan</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| INDIKATOR           | <b>8.10.1 (a) Bilangan cawangan bank komersial bagi setiap 100,000 orang dewasa dan (b) bilangan mesin juruwang automatik (ATM) bagi setiap 100,000 orang dewasa</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Bilangan cawangan bank komersial bagi setiap 100,000 orang dewasa.<br/>Bilangan mesin juruwang automatik (ATM) bagi setiap 100,000 orang dewasa.</p> <p><b><u>Nasional</u></b></p> <p>Bilangan cawangan bank komersial bagi setiap 100,000 orang dewasa merujuk kepada bilangan cawangan bank komersial pada akhir tahun yang dilaporkan oleh Bank Negara Malaysia.</p> <p>Bilangan mesin juruwang automatik (ATM) bagi setiap 100,000 orang dewasa merujuk kepada bilangan ATM di negara ini bagi semua jenis institusi kewangan.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDIKATOR           | <b>8.10.2 Peratusan orang dewasa (15 tahun dan ke atas) yang memiliki akaun di bank atau institusi kewangan lain atau dengan penyedia perkhidmatan wang mudah alih</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | Peratusan orang dewasa (berumur 15+) yang melaporkan mempunyai akaun (sendiri atau bersama dengan orang lain) di bank atau jenis institusi kewangan lain atau secara peribadi menggunakan perkhidmatan wang mudah alih dalam tempoh 12 bulan yang lepas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| INDIKATOR           | <b>8.a.1 Komitmen dan perbelanjaan Bantuan Perdagangan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Komitmen dan perbelanjaan Bantuan Perdagangan ialah pengeluaran dan komitmen kasar bagi jumlah Bantuan Pembangunan Rasmi (ODA) daripada semua penderma untuk bantuan perdagangan.</p> <p>Konsep:</p> <p><i>Development Assistance Committee (DAC)</i> mendefinisikan Bantuan Pembangunan Rasmi (ODA) sebagai “yang mengalir ke negara dan wilayah dalam Senarai DAC bagi Penerima ODA dan kepada institusi pelbagai hala yang mana:</p> <ul style="list-style-type: none"> <li>i) disediakan oleh agensi rasmi, termasuk kerajaan negeri dan tempatan, atau oleh agensi eksekutif mereka; dan</li> <li>ii) setiap urusan niaga ditadbir dengan menggalakkan pembangunan ekonomi dan kebajikan negara membangun sebagai objektif utamanya; dan bersifat konsesi dan menyampaikan elemen pemberian sekurang-kurangnya 25 peratus.</li> </ul>                                                                                                                                                                                                                  |
| INDIKATOR           | <b>8.b.1 Kewujudan strategi negara yang dibangunkan dan dikendalikan untuk pekerjaan belia, sebagai strategi yang berlainan atau sebahagian daripada strategi pekerjaan negara</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Metodologi yang dicadangkan:</p> <p>a. Instrumen dasar global, terutamanya:</p> <ul style="list-style-type: none"> <li>• Penyelesaian Krisis pekerjaan belia: Seruan untuk bertindak, diterima pakai pada sesi ke-101 Persidangan Buruh Antarabangsa (ILC) pada Jun 2012. Dalam menyeru agar tindakan kolektif yang cergas untuk menangani krisis pekerjaan belia yang memburuk, resolusi ini menyokong satu pendekatan pelbagai serampang dengan langkah dasar yang khusus konteks dan bersepadu, melibatkan strategi yang menggabungkan pelbagai instrumen secara koheren untuk meningkatkan permintaan, meningkatkan penawaran dan menambah baik pepadanan dalam pasaran buruh belia.</li> <li>• Pulih daripada krisis: Pakatan Pekerjaan Global yang diterima pakai oleh ILC pada sesi Jun 2009. Berdasarkan Agenda Kerja Layak ILO, Global Jobs Pact membentangkan portfolio bersepadu dasar yang meletakkan pekerjaan dan perlindungan sosial sebagai pusat tindak balas krisis, mengiktiraf peranan penting penyertaan dan dialog sosial.</li> </ul> |



## b. Pangkalan data ILO:

- Pemantauan antarabangsa terhadap dasar pekerjaan belia telah dijalankan sepanjang tempoh 2010-2012 oleh Rangkaian Pekerjaan Belia (YEN) – perkongsian antara ILO, Pertubuhan Bangsa-Bangsa Bersatu dan Bank Dunia – menggunakan soal selidik yang dihantar kepada pihak berkuasa negara. Ini berkembang menjadi YouthPOL, inventori dasar dan program pekerjaan belia yang diselenggara oleh ILO (65 negara dilindungi sehingga kini).
- ILO juga mengekalkan EmPol, set data dasar pekerjaan nasional yang lebih luas (143 negara dilindungi).

Maklumat dan dokumen yang disediakan oleh pihak berkuasa negara akan dianalisis oleh ILO untuk mengklasifikasikan negara mengikut grid ini:

| Nilai       | Penerangan                                                                                                                                    |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Tiada nilai | Tiada maklumat tersedia untuk menilai kewujudan strategi nasional untuk pekerjaan belia.                                                      |
| 0           | Negara ini tidak membangunkan sebarang strategi nasional untuk pekerjaan belia atau mengambil langkah untuk membangunkan atau mengamalkannya. |
| 1           | Negara sedang dalam proses membangunkan strategi nasional untuk pekerjaan belia.                                                              |
| 2           | Negara telah membangunkan dan mengamalkan strategi nasional untuk pekerjaan belia.                                                            |
| 3           | Negara telah mengoperasikan strategi nasional untuk pekerjaan belia.                                                                          |

**MATLAMAT 9: INDUSTRI, INOVASI DAN INFRASTRUKTUR**

| INDIKATOR           | 9.1.1 Peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun                                                                                                                                                                                                                                                                                   |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p>Indikator ini dikenali sebagai <i>Rural Access Index</i> (RAI) yang mengukur kadar populasi penduduk luar bandar di sesebuah negara yang tinggal dalam lingkungan 2 km dari jalan sepanjang musim (<i>all-season road</i>).</p> <p>Sejak 2016, metodologi geospatial diperkenalkan untuk mengukur indikator ini. Metodologi ini lebih mampan, konsisten, mudah dan relevan dari segi operasi.</p> |
| FORMULA             | $X_1 = \frac{\text{Bilangan Isi Rumah luar bandar yang tinggal dalam jarak 2km dari jalanan}}{\text{Bilangan Isi Rumah luar bandar}} \times 100$ <p>Dimana,</p> <p><math>X_1</math> merujuk kepada peratusan penduduk luar bandar yang tinggal dalam jarak 2 km dari jalan yang boleh digunakan sepanjang tahun</p>                                                                                  |



| INDIKATOR           | 9.1.2 Jumlah penumpang dan barangan, mengikut jenis pengangkutan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Jumlah penumpang dan barangan masing-masing diukur dalam penumpang-km dan tan-km dan diasingkan mengikut kaedah pengangkutan. Bagi tujuan pemantauan indikator ini, data penumpang-km dibahagi antara penerbangan, jalan (dipecahkan antara kereta penumpang, bas dan motosikal) dan kereta api, dan tan-km dibahagi antara penerbangan, jalan raya, kereta api dan jalan air pedalaman. Oleh kerana data maritim tidak tersedia secara meluas, hanya tan (bukan tan-km) data di peringkat wilayah telah dikongsi.</p> <p><b><u>Nasional</u></b></p> <p>Jumlah penumpang dan barangan adalah hasil tambah jumlah penumpang dan barangan yang dilaporkan dari segi bilangan orang dan metrik tan muatan masing-masing.</p>                                                                                                                                                                  |
| INDIKATOR           | 9.2.1 Nilai tambah pembuatan sebagai sebahagian daripada KDNK dan per kapita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Nilai ditambah sektor pembuatan (MVA) sebagai sebahagian daripada Keluaran Dalam Negeri Kasar (KDNK) adalah nisbah antara MVA dan KDNK, kedua-duanya dilaporkan dalam malar USD 2015 berterusan.</p> <p>MVA per kapita dikira dengan membahagikan MVA dalam malar USD 2015 mengikut negara atau kawasan.</p> <p><b><u>Proksi</u></b></p> <p>Indikator ini didefinisikan sebagai nisbah antara Nilai ditambah sektor pembuatan (MVA) dan Keluaran Dalam Negeri Kasar (KDNK) per kapita. Ia diwakili sebagai peratusan. MVA per kapita adalah jumlah MVA dibahagi dengan jumlah populasi. Data diukur di dalam RM.</p>                                                                                                                                                                                                                                                                       |
| INDIKATOR           | 9.2.2 Guna tenaga sektor pembuatan sebagai sebahagian daripada jumlah keseluruhan guna tenaga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| KONSEP DAN DEFINISI | Indikator ini menunjukkan peratusan pekerjaan sektor perkilangan dalam jumlah pekerjaan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| INDIKATOR           | 9.3.1 Peratusan industri berskala kecil dalam nilai ditambah industri keseluruhan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Perusahaan perindustrian berskala kecil, dalam rangka kerja SDG juga dipanggil “industri berskala kecil”, didefinisikan sebagai tujuan pengumpulan dan penyusunan data statistik yang merujuk kepada unit statistik atau secara amnya perusahaan yang terlibat dalam pengeluaran barangan dan perkhidmatan untuk pasaran di bawah saiz kelas yang ditetapkan.</p> <p>Kadar “industri berskala kecil” dalam jumlah nilai tambah industri mewakili satu indikator yang mengira bahagian nilai tambah pembuatan perusahaan perkilangan kecil dalam jumlah nilai tambah pembuatan.</p> <p><b><u>Nasional</u></b></p> <p>Industri berskala kecil adalah merujuk kepada Perusahaan Kecil dan Sederhana (PKS). Kadar PKS dalam jumlah nilai ditambah adalah satu indikator yang dikira sebagai bahagian nilai ditambah bagi perusahaan perkilangan PKS dalam jumlah nilai ditambah pembuatan.</p> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{Nilai ditambah pembuatan PKS}}{\text{Jumlah nilai ditambah pembuatan}} \times 100$ <p>Di mana,</p> <p>X<sub>1</sub> merujuk kepada peratusan Perusahaan Kecil dan Sederhana (PKS) dalam jumlah nilai ditambah.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| INDIKATOR           | 9.3.2 Peratusan industri berskala kecil dengan pinjaman atau kredit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Perusahaan perindustrian berskala kecil, dalam rangka kerja SDG juga dipanggil “industri berskala kecil”, didefinisikan sebagai tujuan pengumpulan dan penyusunan data statistik yang merujuk kepada unit statistik atau secara amnya perusahaan yang terlibat dalam pengeluaran barangan dan perkhidmatan untuk pasaran di bawah saiz kelas yang ditetapkan.</p> <p>Indikator ini menunjukkan bilangan “industri berskala kecil” dengan jumlah kredit aktif atau pinjaman dari institusi kewangan pada tahun rujukan dalam jumlah peratusan hingga jumlah keseluruhan perusahaan tersebut.</p> <p><b><u>Nasional</u></b></p> <p>Industri berskala kecil adalah merujuk kepada Perusahaan Kecil dan Sederhana (PKS). Kadar PKS dengan kredit aktif atau pinjaman dikira sebagaimana bilangan PKS dengan kredit aktif atau pinjaman dari institusi kewangan pada tahun rujukan dalam jumlah peratusan hingga jumlah keseluruhan perusahaan tersebut.</p> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{Bilangan PKS dengan pinjaman atau kredit aktif}}{\text{Jumlah bilangan PKS}} \times 100$ <p>Di mana,</p> <p>X<sub>1</sub> merujuk kepada peratusan Perusahaan Kecil dan Sederhana (PKS) dengan pinjaman atau kredit aktif.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| INDIKATOR           | 9.4.1 Pelepasan CO <sub>2</sub> per unit nilai ditambah                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Karbon dioksida (selepas ini, CO<sub>2</sub>) pelepasan per unit nilai ditambah adalah indikator yang dikira sebagai nisbah antara pelepasan CO<sub>2</sub> dari pembakaran bahan bakar dan nilai ditambah aktiviti ekonomi yang berkaitan. Indikator tersebut dapat dihitung untuk keseluruhan ekonomi (jumlah pelepasan CO<sub>2</sub> / KDNK) atau untuk sektor-sektor tertentu, terutama sektor pembuatan (pelepasan CO<sub>2</sub> dari industri pembuatan per nilai ditambah sektor pembuatan (MVA)).</p> <p>Pelepasan CO<sub>2</sub> per unit KDNK dinyatakan dalam kilogram CO<sub>2</sub> per USD KDNK PPP 2010 yang malar. Pelepasan CO<sub>2</sub> dari industri pembuatan per unit MVA diukur dalam kilogram setara CO<sub>2</sub> per unit MVA pada USD 2015 yang malar.</p> <p><b><u>Proksi</u></b></p> <p>Pengeluaran gas rumah hijau.</p>                                                                                               |



| INDIKATOR           | 9.5.1 Perbelanjaan penyelidikan dan pembangunan sebagai sebahagian daripada KDNK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Perbelanjaan Penyelidikan dan pembangunan (R&amp;D) sebagai sebahagian daripada Keluaran Dalam Negeri Kasar (KDNK) adalah jumlah perbelanjaan R&amp;D dibahagikan dengan jumlah pengeluaran ekonomi.</p> <p><b><u>Nasional</u></b></p> <p>Jumlah perbelanjaan dalaman (<i>intramural expenditures</i>) untuk R&amp;D yang dilakukan di negara semasa tempoh rujukan tertentu dinyatakan sebagai peratus KDNK negara (UIS, 2019).</p>                                                                                                                                                                                                                                                                                     |
| INDIKATOR           | 9.5.2 Penyelidik (bersamaan sepenuh masa) bagi sejuta penduduk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Penyelidik (bersamaan sepenuh masa) bagi setiap sejuta penduduk adalah ukuran langsung bagi jumlah pekerja penyelidikan dan pembangunan per 1 juta orang.</p> <p><b><u>Nasional</u></b></p> <p>Nisbah waktu bekerja yang sebenarnya dibelanjakan untuk R&amp;D semasa tempoh rujukan tertentu dibahagikan dengan jumlah jam bekerja secara konvensional dalam tempoh yang sama oleh individu atau kumpulan (Frascati Manual, 2015) dinyatakan sebagai perkadaran sejuta penduduk.</p>                                                                                                                                                                                                                                    |
| INDIKATOR           | 9.a.1 Jumlah sokongan antarabangsa rasmi (bantuan pembangunan rasmi berserta aliran rasmi lain) bagi infrastruktur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Pengeluaran kasar jumlah ODA dan aliran rasmi lain daripada semua penderma untuk menyokong infrastruktur.</p> <p>Konsep:</p> <p>ODA: DAC mendefinisikan ODA sebagai "aliran ke negara dan wilayah dalam Senarai DAC Penerima ODA dan kepada institusi pelbagai hala iaitu:</p> <ul style="list-style-type: none"> <li>i) disediakan oleh agensi rasmi, termasuk kerajaan negeri dan tempatan, atau oleh agensi eksekutif mereka; dan</li> <li>ii) setiap urusan niaga ditadbir dengan menggalakkan pembangunan ekonomi dan kebajikan negara membangun sebagai objektif utamanya; dan bersifat konsesi dan menyampaikan elemen pemberian sekurang-kurangnya 25 peratus (dikira pada kadar diskaun 10 peratus).</li> </ul> |



| INDIKATOR           | 9.b.1 Peratusan nilai ditambah industri berteknologi sederhana dan tinggi dalam nilai ditambah keseluruhan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Peratusan nilai ditambah industri berteknologi sederhana dan tinggi (MHT) dalam Nilai ditambah sektor pembuatan (MVA) adalah nilai nisbah antara nilai ditambah industri MHT dan MVA.</p> <p><b><u>Nasional</u></b></p> <p>Peratusan nilai ditambah industri berteknologi sederhana dan tinggi (MHT) dalam nilai ditambah keseluruhan pembuatan (MVA) adalah nilai nisbah antara nilai ditambah industri MHT dan MVA.</p> <p>Industri MHT didefinisikan oleh Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0 pada tahap dua digit:</p> <ol style="list-style-type: none"><li>1. Kod 20 - Pembuatan bahan kimia &amp; produk kimia</li><li>2. Kod 21 - Pembuatan produk farmaseutikal &amp; persediaan farmaseutikal</li><li>3. Kod 26 - Pembuatan produk komputer, elektronik &amp; optik</li><li>4. Kod 27 - Pembuatan peralatan elektrik</li><li>5. Kod 28 - Pembuatan mesin &amp; peralatan iaitu t.t.t.l.</li><li>6. Kod 29 - Pembuatan kenderaan bermotor, treler &amp; semi treler</li><li>7. Kod 30 (tidak termasuk 301) - Pembuatan peralatan pengangkutan lain</li></ol> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \frac{\text{Nilai ditambah industri berteknologi sederhana dan tinggi (MHT)}}{\text{Nilai ditambah sektor pembuatan (MS)}} \times 100$ <p>Di mana,<br/>X<sub>1</sub> dirujuk sebagai peratusan nilai ditambah industri berteknologi sederhana dan tinggi</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| INDIKATOR           | 9.c.1 Peratusan penduduk yang diliputi oleh rangkaian mudah alih, mengikut teknologi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KONSEP DAN DEFINISI | <p>Peratusan penduduk yang diliputi oleh rangkaian mudah alih mengikut teknologi, merujuk kepada peratusan penduduk yang tinggal dalam jarak isyarat selular, tanpa mengira sama ada mereka adalah pengguna telefon bimbit ataupun tidak. Ini dikira dengan membahagikan bilangan penduduk dalam jarak isyarat selular dengan jumlah penduduk dan didarab dengan 100.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| FORMULA             | $X_1 = \frac{\text{Bilangan penduduk yang tinggal dalam jarak isyarat selular}}{\text{Jumlah penduduk}} \times 100$ <p>Di mana,<br/>X<sub>1</sub> merujuk kepada peratusan penduduk yang diliputi rangkaian mudah alih</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**MATLAMAT 10: MENGURANGKAN KETIDAKSAMAAN**

| INDIKATOR           | 10.1.1 Kadar pertumbuhan perbelanjaan atau pendapatan isi rumah per kapita dalam kalangan penduduk terendah 40 peratus dan jumlah penduduk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Kadar pertumbuhan dalam agregat kesejahteraan bawah 40 peratus dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau bawah 40 peratus pengagihan pendapatan di sebuah negara dari survei isi rumah dalam tempoh kira-kira 5 tahun. Kadar pertumbuhan purata nasional dalam agregat kesejahteraan dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau pendapatan jumlah penduduk di sebuah negara dari survei isi rumah dalam tempoh kira-kira 5 tahun.</p> <p><b><u>Nasional</u></b></p> <p>Kadar pertumbuhan dalam agregat kesejahteraan bawah 40 peratus dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau bawah 40 peratus pengagihan pendapatan di sebuah negara dari survei isi rumah dalam tempoh kira-kira 5 tahun. Kadar pertumbuhan purata nasional dalam agregat kesejahteraan dikira sebagai kadar pertumbuhan purata tahunan dalam penggunaan sebenar per kapita atau pendapatan jumlah penduduk di sebuah negara dari survei isi rumah dalam tempoh kira-kira 5 tahun.</p> <p>Data bagi isi rumah merujuk kepada data warganegara sahaja.</p> |
| INDIKATOR           | 10.2.1 Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah, mengikut jantina, umur dan orang kurang upaya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Peratusan penduduk yang hidup di bawah 50 peratus daripada pendapatan penengah (atau penggunaan) ialah bahagian (%) penduduk negara yang tinggal kurang daripada separuh tahap penggunaan/pendapatan daripada purata pengagihan pendapatan/penggunaan nasional.</p> <p><b><u>Proksi</u></b></p> <p>Peratusan isi rumah warganegara di bawah 50 peratus daripada pendapatan penengah.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| INDIKATOR           | 10.4.1 Sumbangan buruh dalam KDNK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KONSEP DAN DEFINISI | <p>Sumbangan/bahagian buruh dalam Keluaran Dalam Negeri Kasar (KDNK) adalah jumlah pampasan pekerja dan pendapatan pekerja sendiri yang diberikan sebagai peratus daripada KDNK, yang merupakan ukuran jumlah pengeluaran. Ini memberikan maklumat mengenai sumbangan relatif pengeluaran yang bertambah kepada pekerja dibandingkan dengan sumbangan yang terkumpul bagi modal dalam proses pengeluaran untuk jangka masa tertentu.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FORMULA             | $X_1 = \frac{(\text{Jumlah pampasan pekerja}) + (\text{Pendapatan buruh yang bekerja sendiri})}{\text{Keluaran Dalam Negeri Kasar}} \times 100$ <p>Dimana,<br/> <math>X_1</math> merujuk kepada sumbangan buruh dalam Keluaran Dalam Negeri Kasar</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



| INDIKATOR           | 10.5.1 Indikator Kestabilan Kewangan (FSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p>Tujuh FSI dimasukkan sebagai indikator SDG untuk 10.5.1 dan dinyatakan sebagai peratus.</p> <p>1- Kawal Selia Kumpulan 1 kepada aset: Ini adalah nisbah modal teras (Kumpulan 1) kepada jumlah (penyataimbangan) aset. Bagi bidang kuasa yang telah melaksanakan nisbah <i>leverage Basel III</i>, indikator ini akan dikira menggunakan modal Kumpulan 1 sebagai pengatas (<i>numerator</i>) dan ukuran pendedahan sebagai pembawah (<i>denominator</i>), yang terdiri daripada aset penyataimbangan, pendedahan derivatif, pendedahan transaksi pembiayaan sekuriti dan <i>off-balance-sheet items</i>.</p> <p>2 - Kawal Selia Kumpulan 1 kepada aset berwajaran risiko: Ia dikira menggunakan modal kawal selia Kumpulan 1 sebagai pengatas (<i>numerator</i>) dan aset berwajaran risiko sebagai pembawah (<i>denominator</i>). Data untuk FSI adalah digabungkan mengikut pelaksanaan Persetujuan <i>Basel</i> (iaitu, <i>Basel I</i>, <i>Basel II</i>, atau <i>Basel III</i>).</p> <p>3 - Pinjaman bersih tidak berbayar daripada peruntukan kepada modal: FSI ini dikira dengan mengambil nilai pinjaman tidak berbayar (NPLs) ditolak nilai peruntukan khusus untuk NPLs sebagai pengatas (<i>numerator</i>) dan jumlah modal kawal selia sebagai pembawah (<i>denominator</i>).</p> <p>4 - Pinjaman tidak berbayar kepada jumlah pinjaman kasar: FSI ini dikira dengan mengambil nilai pinjaman tidak berbayar (NPLs) ditolak nilai peruntukan khusus untuk NPLs sebagai pengatas (<i>numerator</i>) dan jumlah modal kawal selia sebagai pembawah (<i>denominator</i>).</p> <p>5 - Pulangan atas aset: FSI ini dikira dengan membahagikan pendapatan bersih tahunan sebelum cukai dengan nilai purata jumlah aset (kewangan dan bukan kewangan) dalam tempoh yang sama.</p> <p>6 - Aset cair kepada liabiliti jangka pendek: FSI ini dikira dengan menggunakan aset cair sebagai pengangka dan liabiliti jangka pendek sebagai penyebut. Komponen aset cair ditakrifkan dalam Panduan Penyusunan FSI 2019 IMF (Panduan FSI 2019).</p> <p>7- Kedudukan terbuka bersih dalam pertukaran asing kepada modal: Kedudukan terbuka bersih dalam pertukaran asing hendaklah dikira berdasarkan panduan dalam Panduan FSI 2019. Modal haruslah jumlah modal kawal selia kerana kedudukan terbuka bersih dalam pertukaran asing adalah konsep penyeliaan.</p> |
| INDIKATOR           | 10.6.1 Peratusan anggota dan hak mengundi negara membangun dalam organisasi antarabangsa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KONSEP DAN DEFINISI | <p>Indikator peratusan ahli dan hak mengundi negara membangun dalam organisasi antarabangsa mempunyai dua komponen berasingan: peratusan hak mengundi negara membangun dan peratusan keahlian negara membangun dalam pertubuhan antarabangsa.</p> <p>Indikator ini dikira secara bebas untuk sebelas institusi antarabangsa yang berbeza: Perhimpunan Agung Pertubuhan Bangsa-Bangsa Bersatu (PBB), Majlis Keselamatan Pertubuhan Bangsa-Bangsa Bersatu (UNSC), Majlis Ekonomi dan Sosial Pertubuhan Bangsa-Bangsa Bersatu (ECOSOC), Tabung Kewangan Antarabangsa (IMF), Bank Antarabangsa untuk Pembinaan Semula dan Pembangunan (IBRD), Perbadanan Kewangan Antarabangsa (IFC), Afrika Bank Pembangunan (AFDB), Bank Pembangunan Asia (ADB), Bank Pembangunan antara Amerika (IADB), Pertubuhan Perdagangan Dunia (WTO) dan Lembaga Kestabilan Kewangan (FSB).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDIKATOR           | <b>10.7.2 Peratusan negara dengan dasar migrasi yang memudahkan migrasi dan pergerakan orang yang teratur, selamat, berkala dan bertanggungjawab</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KONSEP DAN DEFINISI | Indikator SDG 10.7.2 bertujuan untuk menerangkan keadaan dasar migrasi nasional dan bagaimana dasar tersebut berubah dari masa ke masa. Maklumat yang dikumpulkan bertujuan untuk mengenal pasti kemajuan dan jurang yang telah dicapai, sekaligus menyumbang kepada pangkalan bukti untuk cadangan yang boleh diambil tindakan bagi pelaksanaan sasaran SDG 10.7.2. Indikator ini juga berfungsi untuk tinjauan tematik masa hadapan dalam Forum Politik Tahap Tinggi mengenai Pembangunan Mampan (HLPF).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| INDIKATOR           | <b>10.a.1 Peratusan produk tersenarai dalam jadual tarif (tarif line) yang dikenakan ke atas import dari negara kurang membangun dan negara membangun dengan tarif sifar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KONSEP DAN DEFINISI | <p>Peratusan jumlah garis tarif (dalam peratus) digunakan untuk produk yang diimport dari negara kurang maju dan negara membangun yang sepadan dengan kadar tarif 0 peratus dalam Sistem Terharmoni (HS) bab 01-97.</p> <p>Konsep:</p> <p>Garis Tarif atau Garis Tarif Nasional (NTL): Kod Garis Tarif Nasional merujuk kepada kod klasifikasi, digunakan untuk barangan dagangan oleh negara individu, yang lebih panjang daripada tahap enam digit HS.</p> <p>Tarif: Tarif ialah duti kastam ke atas barangan import, yang dikenakan sama ada pada asas <i>ad valorem</i> (peratusan nilai) atau berdasarkan asas tertentu (contohnya \$7 setiap 100 kg). Tarif boleh digunakan untuk mencipta kelebihan harga bagi barangan keluaran tempatan yang serupa dan untuk meningkatkan hasil kerajaan. Langkah remedi perdagangan dan cukai tidak dianggap sebagai tarif.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| INDIKATOR           | <b>10.c.1 Kos pengiriman wang sebagai sebahagian daripada jumlah yang dikirimkan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Sasaran merangkumi dua komponen. Komponen pertama adalah bahawa kos transaksi pengiriman wang migran harus 3 peratus atau kurang pada tahun 2030. Kos transaksi ini harus dimaksudkan sebagai “Jumlah biaya pengiriman global rata-rata \$200 (atau setara dalam mata wang pengirim tempatan) dan dinyatakan sebagai peratus dari jumlah dihantar”. Indikator ini tersedia dan diterbitkan setiap suku tahun oleh <i>World Bank</i> dalam pangkalan data <i>Remittance Prices Worldwide</i>, yang meliputi 365 koridor negara, dari 48 pengirim ke 105 negara penerima. Komponen kedua adalah menghapuskan koridor dengan kos 5 peratus atau lebih tinggi. Ini sepatutnya dimaksudkan dalam erti kata bahawa pengirim kiriman wang boleh menghantar wang kepada penerima manfaat dengan kos purata 5 peratus atau kurang daripada jumlah yang dikirimkan. Untuk tujuan ini, ia sepatutnya mencukupi bahawa dalam setiap koridor terdapat sekurang-kurangnya 3 perkhidmatan, memenuhi satu set keperluan perkhidmatan yang ditentukan (termasuk kualiti perkhidmatan, jangkauan dll.), yang puratanya adalah 5 peratus atau kurang.</p> <p><b><u>Nasional</u></b></p> <p>Pengiriman wang keluar dilakukan oleh penyedia perkhidmatan pengiriman wang bukan bank berlesen di Malaysia untuk 5 koridor utama (iaitu Indonesia, Bangladesh, India, Nepal, Filipina).</p> |



|         |                                                                                                                                                                                                                                                                                                                                                        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORMULA | <p><b><u>Nasional</u></b></p> $X_1 = \left[ \left( \frac{\text{bayaran tetap}}{\text{jumlah peringkat}} \right) + \left( \frac{(\text{kadar yang ditawarkan} - \text{kadar penanda aras World Bank})}{\text{kadar penanda aras World Bank}} \right) \right] \times 100$ <p>Dimana,<br/>X<sub>1</sub> merujuk kepada peratusan kos pengiriman wang.</p> |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**MATLAMAT 11: BANDAR DAN KOMUNITI YANG MAMPAN**

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDIKATOR           | <b>11.1.1 Nisbah penduduk bandar yang tinggal di penempatan tidak formal, penempatan setinggan atau perumahan yang tidak mencukupi</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| KONSEP DAN DEFINISI | Mengikut Agenda 2030, adalah perlu untuk mengenal pasti dan mengukur bahagian penduduk yang hidup di penempatan setinggan, penempatan tidak formal dan mereka yang tinggal di perumahan yang tidak mencukupi untuk memaklumkan pembangunan dasar dan program yang sesuai untuk memastikan akses kepada perumahan yang mencukupi dan menaik taraf kawasan setinggan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| INDIKATOR           | <b>11.2.1 Peratusan penduduk yang mempunyai capaian mudah kepada pengangkutan awam mengikut jantina, umur dan orang kurang upaya</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KONSEP DAN DEFINISI | <p>Indikator ini akan dipantau oleh peratusan penduduk yang mempunyai capaian mudah kepada pengangkutan awam. Akses kepada pengangkutan awam dianggap mudah apabila perhentian boleh diakses dalam jarak pejalan kaki di sepanjang rangkaian jalan sepanjang 500 m dari tempat rujukan seperti rumah, sekolah, tempat kerja, pasar, dan lain-lain ke sistem pengangkutan awam berkapasiti rendah (contoh: seperti bas, Bas Rapid Transit) dan/atau 1 km ke sistem berkapasiti tinggi (contoh: kereta api, metro, feri). Kriteria tambahan bagi menentukan pengangkutan awam yang mudah termasuk:</p> <ul style="list-style-type: none"><li>a. Pengangkutan awam boleh diakses oleh semua pelanggan berkeperluan khas, termasuk mereka yang cacat dari segi fizikal, penglihatan dan/atau pendengaran, serta kecacatan sementara, warga emas, kanak-kanak dan orang lain dalam situasi yang terdedah.</li><li>b. Pengangkutan awam dengan perkhidmatan yang kerap semasa waktu perjalanan puncak</li><li>c. Perhentian yang menyediakan persekitaran stesen yang selamat dan selesa</li></ul> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDIKATOR           | <b>11.3.1 Nisbah kadar penggunaan tanah kepada kadar pertumbuhan Penduduk</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini didefinisikan sebagai nisbah kadar penggunaan tanah kepada kadar pertumbuhan penduduk. Indikator ini memerlukan penentuan dua komponen pertumbuhan penduduk dan kadar penggunaan tanah. Pengiraan kadar pertumbuhan penduduk adalah lebih mudah dan lebih mudah didapati, manakala kadar penggunaan tanah agak mencabar, dan memerlukan penggunaan teknik baharu. Dalam menganggar kadar penggunaan tanah, seseorang perlu mendefinisikan apa yang dimaksudkan dengan "penggunaan" tanah kerana ini mungkin merangkumi aspek "digunakan" atau "dipelihara" atau tersedia untuk "pembangunan" untuk kes seperti tanah yang diduduki oleh tanah lembap. Kedua, tidak ada satu ukuran yang jelas sama ada tanah yang sedang dibangunkan itu benar-benar tanah "baru dibangunkan" (atau kosong), atau jika ia sekurang-kurangnya sebahagiannya "dibangunkan semula". Hasilnya, peratusan jumlah tanah bandar semasa yang baru dibangunkan (digunakan) akan digunakan sebagai ukuran kadar penggunaan tanah. Kawasan yang dibangunkan sepenuhnya juga kadangkala dirujuk sebagai kawasan binaan.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INDIKATOR           | <b>11.3.2 Peratusan bandar dengan struktur penyertaan langsung masyarakat sivil dalam perancangan dan pengurusan bandar yang beroperasi secara teratur dan demokratik</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Pertumbuhan masyarakat sivil (CSO) membuat perubahan dalam pembangunan antarabangsa. Mereka menyediakan perkhidmatan pembangunan dan bantuan kemanusiaan, berinovasi dalam penyampaian perkhidmatan, membina kapasiti tempatan dan menyokong dengan dan untuk golongan miskin. Bertindak secara bersendirian, bagaimanapun, impaknya terhad dalam skop, skala dan kemampuan. CSO perlu melibatkan diri dalam proses dasar kerajaan dengan lebih berkesan. Pembangunan penempatan manusia yang mampan memerlukan penglibatan aktif semua pemegang kepentingan utama dengan perhatian khusus kepada penerima projek/program dan kumpulan yang terdedah. Oleh itu kerajaan tempatan dan negara harus berusaha untuk:</p> <ul style="list-style-type: none"> <li>a) memudahkan dan melindungi penyertaan rakyat dan penglibatan sivil melalui organisasi masyarakat sivil bebas yang boleh terdiri daripada pelbagai latar belakang - tempatan, kebangsaan dan antarabangsa;</li> <li>b) menggalakkan program pendidikan dan latihan sivil dan hak asasi manusia untuk menyedarkan penduduk bandar tentang hak mereka dan perubahan peranan wanita, lelaki, dan wanita muda dan lelaki yang pelbagai dalam persekitaran bandar; dan</li> <li>c) menghapuskan halangan yang menyekat penyertaan kumpulan terpinggir sosial dan menggalakkan tanpa diskriminasi dan penyertaan penuh dan sama rata wanita, lelaki dan wanita serta kumpulan terpinggir.</li> </ul> <p>Untuk memantau indikator ini sepenuhnya, adalah penting untuk mendefinisikan bandar sebagai entiti unik dan menentukan apa yang membentuk struktur penyertaan secara langsung bagi masyarakat sivil. Perancangan dan pengurusan bandar adalah konsep yang lebih jelas yang telah diusahakan oleh UN-Habitat untuk dibangunkan sejak beberapa dekad yang lalu dan ini dinyatakan dengan baik dalam dokumen agenda bandar. Pakar yang telah mengusahakan perkembangan metodologi indikator ini telah mengemukakan definisi di bawah untuk membantu membimbing kerja mengenai indikator ini.</p> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <p><b><u>Nasional</u></b></p> <p>(a) Sejumlah 155 PBT yang mempunyai instrumen perundangan (Akta/Rancangan Tempatan) yang meliputi penyertaan CSO dalam perancangan dan pengurusan bandar.</p> <p>(b) Sejumlah 139 PBT yang mengamalkan penyertaan awam di dalam perancangan dan pengurusan bandar semasa proses penyediaan Rancangan Tempatan/ Pelan Daerah.</p> <p>(c) Dokumen berkaitan <i>Legal Requirement</i> Dokumen adalah seperti berikut:</p> <ol style="list-style-type: none"><li>1. Akta Perancangan Bandar dan Desa 1976 (AKTA 172)<ul style="list-style-type: none"><li>• Seksyen 12A dan Seksyen 13 AKTA 172</li></ul></li><li>2. Akta (Perancangan) Wilayah Persekutuan 1982 (AKTA 267)<ul style="list-style-type: none"><li>• Seksyen 14 AKTA 267</li></ul></li><li>3. <i>Town and Country Planning Ordinance (Sabah Cap. 141)</i></li></ol> <p>Indikator ini diukur berdasarkan (b) Jumlah PBT yang mengamalkan penyertaan awam di dalam perancangan dan pengurusan bandar semasa proses penyediaan Rancangan Tempatan/ Pelan Daerah, dibahagikan dengan (a) Jumlah PBT yang mempunyai instrumen perundangan (Akta/Rancangan Tempatan) yang meliputi penyertaan CSO dalam perancangan dan pengurusan Bandar.</p>             |
| INDIKATOR           | <b>11.5.1 Bilangan kematian, orang yang dilaporkan hilang dan orang yang terjejas akibat bencana bagi setiap 100,000 penduduk</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator ini mengukur jumlah orang yang meninggal, hilang atau terjejas secara langsung akibat bencana bagi setiap 100,000 penduduk.</p> <p>Konsep:</p> <ul style="list-style-type: none"><li>• <u>Kematian</u><br/>Bilangan orang yang meninggal semasa bencana, atau selepas bencana berlaku, akibat daripada kejadian yang berbahaya.</li><li>• <u>Kehilangan</u><br/>Bilangan orang yang keberadaannya tidak diketahui sejak kejadian berbahaya. Ini termasuk orang yang dianggap mati, yang tiada bukti fizikal seperti mayat, dan laporan rasmi/ undang-undang yang telah difailkan oleh pihak berkuasa.</li><li>• <u>Terlibat secara langsung</u><br/>Bilangan orang yang mengalami kecederaan, penyakit atau kesan kesihatan yang lain; yang dipindahkan, terlantar, berpindah atau mengalami perubahan secara langsung kepada kehidupan mereka, ekonomi, fizikal, sosial, budaya dan persekitaran. Secara tidak langsung, orang yang terlibat ialah orang yang mengalami kesannya, atau sebagai kesan tambahan, dari semasa ke semasa, disebabkan perubahan ekonomi, infrastuktur yang kritikal, perkhidmatan asas, perdagangan atau pekerjaan, atau akibat sosial, kesihatan dan psikologi.</li></ul> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <p><b><u>Nasional</u></b></p> <p>Indikator ini mengukur jumlah orang yang meninggal, hilang atau terjejas secara langsung akibat bencana bagi setiap 100,000 penduduk.</p> <p>Konsep:</p> <ul style="list-style-type: none"> <li>• <b><u>Kematian</u></b><br/>Bilangan orang yang meninggal semasa bencana, atau selepas bencana berlaku, akibat daripada kejadian yang berbahaya.</li> <li>• <b><u>Kehilangan</u></b><br/>Bilangan orang yang keberadaannya tidak diketahui sejak kejadian berbahaya. Ini termasuk orang-orang yang dianggap mati, yang tiada bukti fizikal seperti mayat, dan laporan rasmi/ undang-undang yang telah difailkan oleh pihak berkuasa.</li> <li>• <b><u>Terlibat secara langsung</u></b><br/>Bilangan orang yang mengalami kecederaan, penyakit atau kesan kesihatan yang lain; yang dipindahkan, terlantar, berpindah atau mengalami perubahan secara langsung kepada kehidupan mereka, ekonomi, fizikal, sosial, budaya dan persekitaran.</li> </ul> |
| FORMULA             | <p>Bilangan kematian yang disebabkan oleh bencana pada tahun t</p> $A_2 = \frac{\text{Bilangan kematian yang disebabkan oleh bencana pada tahun t}}{\text{Jumlah penduduk pada tahun t}} \times 100,000$ <p>Bilangan orang dengan kediaman yang rosak pada tahun t</p> $A_3 = \frac{\text{Bilangan orang dengan kediaman yang rosak pada tahun t}}{\text{Jumlah penduduk pada tahun t}} \times 100,000$ <p>Bilangan orang yang hilang yang disebabkan oleh bencana pada tahun t</p> $B_1 = \frac{\text{Bilangan orang yang hilang yang disebabkan oleh bencana pada tahun t}}{\text{Jumlah penduduk pada tahun t}} \times 100,000$ <p>Dimana,<br/>A<sub>2</sub> merujuk kepada bilangan kematian yang disebabkan oleh bencana;<br/>A<sub>3</sub> merujuk kepada bilangan orang dengan kediaman yang rosak; dan<br/>B<sub>1</sub> merujuk kepada bilangan orang yang hilang yg disebabkan oleh bencana</p>                                                                              |
| INDIKATOR           | <b>11.5.2 Kerugian langsung ekonomi akibat bencana yang berkait dengan Keluaran Dalam Negeri Kasar (KDNK) global</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| KONSEP DAN DEFINISI | Indikator ini mengukur nisbah kerugian langsung ekonomi akibat bencana yang berkait dengan KDNK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| FORMULA             | $X = \frac{(X_2 + X_3 + X_4 + X_5 + X_6)}{\text{KDNK Global}}$ <p>Di mana:</p> <p>X<sub>2</sub> merujuk kepada kerugian pertanian secara langsung akibat bencana;<br/>X<sub>3</sub> merujuk kepada kerugian ekonomi secara langsung kepada semua aset produktif lain yang rosak atau musnah akibat bencana;<br/>X<sub>4</sub> merujuk kepada kerugian ekonomi secara langsung dalam sektor perumahan akibat bencana;<br/>X<sub>5</sub> merujuk kepada kerugian ekonomi secara langsung akibat daripada kerosakan atau kemusnahan infrastruktur yang kritikal akibat bencana;<br/>X<sub>6</sub> merujuk kepada kerugian ekonomi secara langsung kepada kerosakan dan kemusnahan warisan budaya akibat bencana.</p>                                                                                                                                                                                                                                                                      |



| INDIKATOR           | 11.5.3 (a) Kerosakan kepada infrastruktur yang kritikal dan (b) bilangan gangguan kepada perkhidmatan asas, yang dikaitkan dengan bencana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KONSEP DAN DEFINISI | <p>Kerugian ekonomi secara langsung: kemusnahan nilai monetari secara keseluruhan atau sebahagian daripada aset fizikal yang wujud di kawasan yang terjejas. Kerugian ekonomi secara langsung hampir sama dengan kerosakan fizikal.</p> <p>[a] Kumpulan terbuka kerja pakar antara kerajaan mengenai indikator dan istilah yang berkaitan dengan pengurangan risiko bencana yang ditubuhkan oleh Perhimpunan Agung (resolusi 69/284) sedang membangunkan satu set indikator untuk mengukur kemajuan global dalam pelaksanaan Rangka Kerja Sendai. Indikator ini akan mencerminkan perjanjian mengenai indikator Rangka Kerja Sendai.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| INDIKATOR           | 11.6.1 Peratusan sisa pepejal perbandaran yang dikumpulkan dan dikendalikan di kemudahan terkawal daripada jumlah sampah perbandaran yang dihasilkan, mengikut bandar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator SDG 11.6.1 mengukur kemajuan prestasi pengurusan sisa pepejal perbandaran sesebuah bandar. Ia mengukur parameter yang disenaraikan di bawah, yang penting untuk merancang dan melaksanakan sisa pepejal perbandaran (MSW) yang mampan.</p> <p>Pembolehubah ini secara amnya serasi dengan pengumpulan melalui Soal Selidik UNSD/UNEP mengenai Statistik Alam Sekitar (bahagian sisa).</p> <ul style="list-style-type: none"><li>a) Jumlah MSW yang dijana di bandar (tan/hari)</li><li>b) Jumlah MSW yang dikutip di bandar (tan/hari)</li><li>c) Kadar penduduk yang mempunyai akses kepada perkhidmatan pengumpulan MSW asas di bandar (%)</li><li>d) Jumlah MSW yang diuruskan dalam kemudahan terkawal di bandar (tan/hari)</li><li>e) Komposisi MSW</li></ul> <p><b>Sisa Pepejal Perbandaran (MSW)</b></p> <p>Sisa Pepejal Perbandaran termasuk sisa yang dijana daripada: isi rumah, perdagangan dan perniagaan, perniagaan kecil, bangunan pejabat dan institusi (sekolah, hospital, bangunan kerajaan). Ia juga termasuk sisa besar (cth. barangan putih, perabot lama, tilam) dan sisa daripada perkhidmatan perbandaran terpilih, cth. sisa daripada penyelenggaraan taman, sisa daripada perkhidmatan pembersihan jalan (sapu jalan, kandungan bekas sampah, sisa pembersihan pasar), jika diuruskan sebagai sisa. Definisi ini tidak termasuk sisa daripada rangkaian dan rawatan kumbahan perbandaran, pembinaan perbandaran dan sisa perobohan.</p> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <p><b><u>Nasional</u></b></p> <p>Sisa pepejal isi rumah ialah apa-apa sisa pepejal yang dihasilkan oleh sesuatu isi rumah atau dikeluarkan oleh mana-mana premis yang dihuni sebagai rumah kediaman. Kadar Kitar semula bermaksud proses pengasingan sisa pepejal isi rumah mengikut komposisi sisa seperti berikut: a) sisa kitar semula; b) sisa baki; dan c) sisa pukal/kebun. Ini termasuklah sisa dapur, sisa makanan, bahan-bahan kotor, lampin pakai buang, kertas, plastik, sisa pukal, sisa kebun dan lain-lain (sisa kaca/seramik/tin aluminium/besi/logam/sisa elektronik/elektrik/fabrik/kasut dan sisa berbahaya).</p> <p>Kawasan PBT terbahagi kepada tiga kawasan iaitu kawasan operasi, kawalan dan pentadbiran. Kawasan Operasi adalah kawasan di mana PBT memberikan perkhidmatan. Kawasan Kawalan adalah kawasan yang PBT mempunyai kawalan dari segi caj cukai pintu. Manakala kawasan pentadbiran adalah kawasan operasi dan kawasan kawalan.</p> <p>Data ini hanya meliputi sisa pepejal yang dihasilkan oleh isi rumah atau dikeluarkan oleh mana-mana premis yang dihuni sebagai rumah kediaman. Data meliputi kutipan sisa pepejal oleh Pihak Berkuasa Tempatan (PBT) dan Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam Negara (SWCorp)</p> |
| FORMULA             | <p><b><u>Nasional</u></b></p> $X_1 = \left( \frac{\text{Jumlah sisa pepejal yang di kitar semula di kawasan kajian pada tahun kajian } t}{\text{Jumlah sisa pepejal yang dikumpul di kawasan kajian pada tahun kajian } t} \right) \times 100$ <p>Di mana:<br/> <math>X_1</math> merujuk kepada Kadar Kitar Semula Sisa Isi Rumah</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| INDIKATOR           | <p><b>11.6.2 Tahap min tahunan jirim habuk halus (contohnya PM<sub>2.5</sub> dan PM<sub>10</sub>) di bandar (berpemberat penduduk)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Kepekatan purata tahunan zarah digantung halus yang berukuran kurang daripada 2.5 mikron dalam diameter (PM<sub>2.5</sub>) adalah ukuran biasa pencemaran udara. Purata ini adalah purata pemberat-penduduk untuk penduduk bandar di sebuah negara, dan dinyatakan dalam mikrogram per meter padu (µg/ m<sup>3</sup>).</p> <p><b><u>Nasional</u></b></p> <p>Zarah/Habuk yang terhirup berdiameter kurang dari 10 mikron. PM<sub>10</sub> boleh dalam bentuk pepejal atau cecair dan ia merangkumi aerosol, habuk, asap dan debunga. Zarah-zarah ini berasal dari loji janakuasa, proses industri dan aktiviti pembakaran terbuka.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORMULA             | <p><b><u>Global</u></b></p> <p>Kepekatan purata tahunan bandar PM<sub>2.5</sub> dianggarkan dengan pemodelan yang lebih baik menggunakan integrasi data dari penginderaan satelit, anggaran penduduk, topografi dan pengukuran tanah (<i>WHO, 2016a; Shaddick et al, 2016</i>)</p> <p>PM<sub>2.5</sub>: 10 µg/m<sup>3</sup> purata tahunan<br/>25 µg/m<sup>3</sup> purata 24-jam</p> <p>PM<sub>10</sub>: 20 µg/m<sup>3</sup> purata tahunan<br/>50 µg/m<sup>3</sup> purata 24-jam</p> <p><b><u>Nasional</u></b></p> <p>Kepekatan purata tahunan bandar PM<sub>2.5</sub> dikira berdasarkan kepada cerapan zarah setiap jam melalui stesen pemantauan kualiti udara automatik yang ditempatkan di kawasan bandar di seluruh Malaysia termasuk Sabah dan Sarawak.</p> <p>PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> purata tahunan<br/>50 µg/m<sup>3</sup> purata 24-jam</p> <p>PM<sub>10</sub>: 45 µg/m<sup>3</sup> purata tahunan<br/>120 µg/m<sup>3</sup> purata 24-jam</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| INDIKATOR           | <b>11.7.1 Bahagian purata kawasan binaan bandar raya yang merupakan kawasan terbuka untuk kegunaan awam bagi semua, mengikut jantina, umur dan orang kurang upaya</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Indikator SDG 11.7.1 mempunyai beberapa konsep menarik yang memerlukan perundingan dan konsensus global. Ini termasuk; kawasan binaan, bandar, kawasan lapang untuk kegunaan awam dan sebagainya. Sebagai <i>custodian agency</i>, <i>UN-Habitat</i> telah mengusahakan konsep ini bersama beberapa rakan kongsi lain.</p> <ol style="list-style-type: none"><li>1. <b>Bandar:</b> wujud pelbagai definisi "bandar" yang diterima, daripada perkara yang berasaskan data penduduk dan keluasan kawasan binaan, kepada perkara yang hanya berasaskan sempadan pentadbiran.</li><li>2. <b>Kawasan binaan bandaraya:</b> Secara konvensional, Kawasan binaan bandaraya ialah kawasan yang diduduki oleh bangunan dan pembuatan lain.</li><li>3. <b>Ruang awam terbuka:</b> adalah mana-mana sebidang tanah terbuka yang belum dibangunkan atau tanah tanpa bangunan (atau struktur binaan lain) yang boleh diakses oleh orang ramai tanpa bayaran, dan menyediakan kawasan rekreasi untuk penduduk dan membantu meningkatkan keindahan dan kualiti alam sekitar kejiranan.</li><li>4. <b>Ruang awam terbuka yang berpotensi:</b> pengenalanpastian ruang awam terbuka di seluruh bandar boleh dilaksanakan melalui, antara sumber lain, analisis imej satelit beresolusi tinggi hingga sangat tinggi, daripada peta asas yang disediakan oleh organisasi yang berbeza (cth. OpenStreetMap, Esri, dsb.) atau sebagai data sumber orang ramai</li><li>5. <b>Jalan-jalan</b> yang didefinisikan sebagai jalan raya di dalam kawasan bandar, pekan, bandar dan kawasan kejiranan yang paling biasa dipenuhi dengan rumah atau bangunan yang digunakan oleh pejalan kaki atau kenderaan untuk bergerak dari satu tempat ke tempat lain di bandar, berinteraksi dan mencari rezeki.</li><li>6. <b>Tanah yang diperuntukkan kepada jalan</b> merujuk kepada jumlah keluasan bandar/kawasan bandar yang dilengkapi oleh semua bentuk jalan.</li></ol> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <p><b><u>Nasional</u></b></p> <p>Kawasan PBT terbahagi kepada tiga kawasan iaitu kawasan operasi, kawalan dan pentadbiran. Kawasan Operasi adalah kawasan di mana PBT memberikan perkhidmatan. Kawasan Kawalan adalah kawasan yang PBT mempunyai kawalan dari segi caj cukai pintu. Manakala kawasan pentadbiran adalah kawasan operasi dan kawasan kawalan.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| INDIKATOR           | <p><b>11.7.2 Peratusan individu yang menjadi mangsa gangguan seksual atau fizikal, mengikut jantina, umur, status kurang upaya dan tempat kejadian, dalam tempoh 12 bulan sebelumnya</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Bilangan orang yang telah menjadi mangsa gangguan fizikal dan/atau gangguan seksual, sebagai peratusan daripada jumlah penduduk kawasan yang berkaitan.</p> <p>Gangguan seksual merujuk kepada tingkah laku dengan konotasi seksual yang sesuai untuk menakutkan mangsa, gangguan fizikal merujuk kepada semua tingkah laku gangguan lain yang boleh menyebabkan ketakutan terhadap integriti fizikal dan/atau tekanan emosi.</p> <p><b><u>Proksi</u></b></p> <p>Bilangan mangsa gangguan seksual.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| INDIKATOR           | <p><b>11.a.1: Bilangan negara yang mempunyai dasar perbandaran nasional atau pelan pembangunan wilayah yang (a) bertindak balas terhadap dinamik penduduk; (b) memastikan pembangunan wilayah yang seimbang; dan (c) meningkatkan ruang fiskal tempatan</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KONSEP DAN DEFINISI | <p><b><u>Global</u></b></p> <p>Dasar Perbandaran Negara dan rancangan pembangunan wilayah:</p> <p>Dasar Perbandaran Negara (DPN) didefinisikan sebagai satu keputusan atau prinsip tindakan yang diperolehi melalui proses yang diterajui kerajaan untuk menyelaraskan dan mengumpulkan pelbagai aktor untuk visi dan matlamat bersama yang akan menggalakkan pembangunan bandar yang lebih transformatif, produktif, inklusif dan berdaya tahan bagi untuk jangka masa panjang.</p> <p>Definisi standard ini dipanjangkan dan disesuaikan dengan konteks negara dan mungkin termasuk istilah seperti Rancangan Bandar Negara, Rangka Kerja atau Strategi selagi ia sejajar dengan kelayakan di atas.</p> <p>Begitu juga, rancangan pembangunan wilayah mengikut definisi yang sama, hanya digunakan di peringkat subnasional.</p> <ul style="list-style-type: none"> <li>• <b>DPN yang bertindak balas kepada dinamik penduduk:</b> Kelayakan pertama ini mengkaji sejauh mana DPN menangani isu berkaitan komposisi penduduk, aliran dan unjuran dalam mencapai matlamat dan sasaran pembangunan. Komposisi penduduk termasuk saiz, taburan geografi dan kepadatan, saiz dan komposisi isi rumah, mobiliti dan migrasi, taburan dan pengasingan umur dan jantina, seperti yang dinyatakan dalam sasaran SDG 17.18. <i>Trend</i> ialah perubahan dalam komposisi penduduk dari semasa ke semasa. Unjuran dijangkakan berubah mengikut masa yang memerlukan DPN memastikan ia ditangani dengan baik.</li> <li>• <b>Memastikan pembangunan wilayah yang seimbang:</b> Kelayakan kedua ini memerlukan promosi wilayah yang koheren dari segi ruang yang merangkumi sistem petempatan manusia yang seimbang termasuk bandar dan pekan juga termasuk koridor bandar; yang menangani jurang sosial, ekonomi, alam sekitar dan ruang terutamanya mengambil kira kesinambungan bandar-luar bandar.</li> </ul> |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <ul style="list-style-type: none"> <li>• <b>Meningkatkan ruang fiskal tempatan:</b> Ruang fiskal tempatan difahami sebagai jumlah sumber kewangan yang tersedia untuk penyampaian perkhidmatan sosial dan ekonomi asas yang lebih baik di peringkat tempatan hasil daripada belanjawan dan keputusan oleh kerajaan di semua peringkat tanpa sebarang prejudis terhadap kemampuan kedudukan kewangan kerajaan.</li> </ul> <p><b><u>Nasional</u></b></p> <p>Dasar Perbandaran Negara Kedua (DPN2) 2016-2025 telah disediakan oleh Jabatan Perancangan Bandar dan Desa (PLANMalaysia) pada tahun 2016 selaras dengan hasrat Kerajaan iaitu untuk mencapai kesejahteraan rakyat dalam menyediakan persekitaran hidup penduduk bandar yang selamat dan selesa serta selari dengan 6 (Enam) Teras Strategik Rancangan Malaysia Kesebelas (RMK11) dan Matlamat Kesebelas Sustainable Development Goals (SDGs) iaitu bagi memastikan bandar-bandar dan penempatan manusia yang inklusif, selamat, berdaya tahan dan mampan. DPN2 merumuskan objektif-objektif pelaksanaan dan strategi-strategi yang mengambil kira perubahan yang telah berlaku dan yang dijangka akan berlaku bagi tempoh 2016-2025.</p>                                                                                                                             |
| INDIKATOR           | <b>11.b.1 Bilangan negara yang menerapkan dan melaksanakan strategi pengurangan risiko bencana nasional sesuai dengan Kerangka Kerja Sendai untuk Pengurangan Risiko Bencana 2015-2030</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KONSEP DAN DEFINISI | [a] <i>Open-ended Intergovernmental Expert Working Group</i> mengenai indikator ini dan terminologi yang berkaitan dengan pengurangan risiko bencana yang ditubuhkan oleh <i>General Assembly</i> (resolusi 69/284) sedang membangunkan satu set indikator untuk mengukur kemajuan global dalam pelaksanaan Kerangka Kerja Sendai. Indikator-indikator ini akan menunjukkan kesepakatan mengenai indikator Kerangka Kerja Sendai.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| INDIKATOR           | <b>11.b.2 Peratusan kerajaan tempatan yang menerapkan dan melaksanakan strategi pengurangan risiko bencana tempatan sesuai dengan strategi pengurangan risiko</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| KONSEP DAN DEFINISI | <p>Rangka Kerja Sendai bagi Pengurangan Risiko Bencana 2015-2030 diterima pakai oleh <i>UN Member States</i> pada bulan Mac 2015 sebagai dasar global pengurangan risiko bencana. Salah satu sasarannya adalah: "Secara ketara meningkatkan bilangan negara dengan strategi pengurangan risiko bencana nasional dan tempatan pada tahun 2020".</p> <p>Sejajar dengan Rangka Kerja Sendai bagi Pengurangan Risiko Bencana 2015-2030, undang-undang dan strategi pengurangan risiko bencana harus menjadikan aliran utama dan menyatukan pengurangan risiko bencana di dalam dan di seluruh sektor, di seluruh skala masa yang berbeza dan dengan sasaran, indikator dan tempoh masa. Strategi ini bertujuan untuk mencegah terbentuknya risiko bencana, pengurangan risiko yang sedia ada dan pengukuhan ketahanan ekonomi, sosial, kesihatan dan persekitaran.</p> <p><i>Open-ended Intergovernmental Expert Working Group (OIEWG)</i> mengenai indikator ini dan terminologi berkaitan dengan pengurangan risiko bencana yang ditubuhkan oleh Perhimpunan Umum (resolusi 69/284) telah mengembangkan satu set indikator untuk mengukur perkembangan global dalam pelaksanaan Rangka Kerja Sendai, yang disahkan oleh UNGA (laporan OIEWG A/71/644). Indikator SDG yang relevan menunjukkan indikator Rangka Kerja Sendai.</p> |



## GOAL 7: AFFORDABLE AND CLEAN ENERGY

| INDICATOR                | 7.1.1 Proportion of population with access to electricity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Proportion of population with access to electricity is the percentage of population with access to electricity.</p> <p><b><u>National</u></b></p> <p>The percentage of households accessing electricity is households that have access to electricity supplied by electricity companies (such as Tenaga Nasional Berhad, Sabah Electricity Sdn. Bhd and others). This also includes electricity supplied through power generators either supplied by electricity companies or owned by households. In addition, it also includes electricity supply obtained using solar power.</p>                                                         |
| INDICATOR                | 7.1.2 Proportion of population with primary reliance on clean fuels and technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Proportion of population with primary reliance on clean fuels and technology is calculated as the number of people using clean fuels and technologies for cooking, heating and lighting divided by total population reporting that any cooking, heating or lighting, expressed as percentage. "Clean" is defined by the emission rate targets and specific fuel recommendations (i.e. against unprocessed coal and kerosene) included in the normative guidance WHO guidelines for indoor air quality: household fuel combustion.</p> <p><b><u>National</u></b></p> <p>Percentage of population using at least stove (LPG) for cooking.</p> |
| INDICATOR                | 7.2.1 Renewable energy share in the total final energy consumption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CONCEPTS AND DEFINITIONS | <p>The renewable energy share in total final consumption is the percentage of final consumption of energy that is derived from renewable resources.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| INDICATOR                | 7.3.1 Energy intensity measured in terms of primary energy and GDP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CONCEPTS AND DEFINITIONS | <p>Energy intensity is defined as the energy supplied to the economy per unit value of economic output.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| INDICATOR                | 7.b.1 Installed renewable energy-generating capacity in developing countries (in watts per capita)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The indicator is defined as the installed capacity of power plants that generate electricity from renewable energy sources divided by the total population of a country. Capacity is defined as the net maximum electrical capacity installed at the year-end and renewable energy sources are as defined in the IRENA Statute.</p> <p>Concepts:</p> <p>The IRENA Statute defines renewable energy to include energy from the following sources: hydropower; marine energy (ocean, tidal and wave energy); wind energy; solar energy (photovoltaic and thermal energy); bioenergy; and geothermal energy.</p>                               |



## GOAL 8: DECENT WORK AND ECONOMIC GROWTH

| INDICATOR                | 8.1.1 Annual growth rate of real GDP per capita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b><br/>Annual growth rate of real Gross Domestic Product (GDP) per capita is calculated as the percentage change in the real GDP per capita between two consecutive years. Real GDP per capita is calculated by dividing GDP at constant prices by the population of a country or area. The data for real GDP are measured in constant US dollars to facilitate the calculation of country growth rates and aggregation of the country data.</p> <p><b><u>National</u></b><br/>Annual growth rate of real Gross Domestic Product (GDP) per capita is calculated as the percentage change in the real GDP per capita between two consecutive years. Real GDP per capita (in RM) is calculated by dividing GDP at constant prices by the population.</p> |
| INDICATOR                | 8.2.1 Annual growth rate of real GDP per employed person                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONCEPTS AND DEFINITIONS | Annual growth rate of real Gross Domestic Product (GDP) per employed person conveys the annual percentage change in real GDP per employed person.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| INDICATOR                | 8.3.1 Proportion of informal employment in total employment, by sector and sex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b><br/>This indicator presents the share of employment which is classified as informal employment in the total economy, and separately in agriculture and in non-agriculture.</p> <p><b><u>Proxy</u></b><br/>Share of employment in the informal sector (not including government employees and employees in agriculture, forestry and fishing sector).</p>                                                                                                                                                                                                                                                                                                                                                                                            |
| FORMULA                  | <p><b><u>Proxy</u></b></p> $X_1 = \frac{\text{Employment in informal sector}}{\text{Employment in non – agricultural sector}} \times 100$ <p>Where,<br/>X<sub>1</sub> refers to proportion of employment in the informal sector</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| INDICATOR                | 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b><br/>Domestic Material Consumption (DMC) is a standard Material Flow Accounting (MFA) indicator and reports the apparent consumption of materials in a national economy.</p> <p><b><u>Proxy</u></b><br/>Energy intensity and energy consumption.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INDICATOR</b>                | <b>8.5.1 Average hourly earnings of employees, by sex, age, occupation and persons with disabilities</b>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>This indicator provides information on the mean hourly earnings from paid employment of employees by sex, occupation, age and disability status.</p> <p><b><u>Proxy</u></b></p> <p>Mean monthly salaries &amp; wages of employees by state and sex as well as mean monthly salaries &amp; wages by occupation and sex.</p>                                                                                                                                                 |
| <b>INDICATOR</b>                | <b>8.5.2 Unemployment rate, by sex, age and persons with disabilities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>The unemployment rate conveys the percentage of persons in the labour force who are unemployed.</p> <p><b><u>National</u></b></p> <p>The unemployment rate conveys the percentage of unemployed population to the total population in labour force.</p>                                                                                                                                                                                                                    |
| <b>FORMULA</b>                  | <p><b><u>National</u></b></p> $X_1 = \frac{\text{Number of unemployed persons}}{\text{Number of persons in the labour force}} \times 100$ <p>Where,<br/> <math>X_1</math> refers to unemployment rate</p>                                                                                                                                                                                                                                                                                                 |
| <b>INDICATOR</b>                | <b>8.6.1 Proportion of youth (aged 15-24 years) not in education, employment or training</b>                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>This indicator conveys the proportion of youth (aged 15-24 years) not in education, employment or training (also known as "the youth NEET rate").</p> <p><b><u>National</u></b></p> <p>This indicator conveys the proxy of proportion of youth (aged 15-24 years) not in education, employment or training (also known as "the youth NEET rate") in Malaysia based on selected sample derived from Labour Force Survey conducted by Department of Statistics Malaysia.</p> |
| <b>FORMULA</b>                  | <p><b><u>National</u></b></p> $X_1 = \frac{(\text{Unemployed youth} + \text{Outside labour force youth}) - (\text{Unemployed youth in schooling} + \text{Outside labour force youth in schooling})}{\text{Youth}} \times 100$ <p>Where,<br/> <math>X_1</math> refers to youth NEET rate</p>                                                                                                                                                                                                               |



| INDICATOR                       | 8.8.1 Fatal and non-fatal occupational injuries per 100,000 workers, by sex and migrant status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b></p> <p>This indicator provides information on the number of fatal and non-fatal occupational injuries per 100,000 workers in the reference group during the reference period. It is a measure of the personal likelihood or risk of having a fatal or a non-fatal occupational injury for each worker in the reference group. The number of occupational injuries expressed per a given number of workers in the reference group is also known as the incidence rate of occupational injuries.</p> <p><b><u>National</u></b></p> <p>Rate of Occupational Injury is calculated as the number of new cases of fatal and non-fatal injury during the reference year divided by the average number of workers in the reference group during the reference year, multiplied by 100 000.</p> <p>Occupational injuries is any personal injury, disease, or death resulting from an occupational accident. An occupational injury is therefore distinct from an occupational disease, which is a disease contracted as a result of exposure over a long period to risk factors arising from work activity. Main inclusion criteria for occupational injuries:</p> <p>a. Fatal occupational injury: an occupational injury leading to death within one year of the day of the occupational accident; or</p> <p>b. Non-fatal occupational injury: an occupational injury resulting in an incapacity for work for at least four consecutive days, including the day of the occupational accident.</p> |
| <p>FORMULA</p>                  | <p><b><u>National</u></b></p> $X_1 = \frac{\text{Number of new cases of Occupational injury during the reference year}}{\text{Average number of workers in the reference group during the reference year}} \times 100,000$ <p>Where,<br/> <math>X_1</math> refers to rate of occupational injuries</p> $X_2 = \frac{\text{Number of new cases of fatal Occupational injury during the reference year}}{\text{Average number of workers in the reference group during the reference year}} \times 100,000$ <p>Where,<br/> <math>X_2</math> refers to the rate of fatal occupational injuries</p> $X_3 = \frac{\text{Number of new cases of non – fatal Occupational injury during the reference year}}{\text{Average number of workers in the reference group during the reference year}} \times 100,00$ <p>Where,<br/> <math>X_3</math> refers to the rate of non-fatal occupational injuries</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INDICATOR</b>                | <b>8.8.2 Level of national compliance with labour rights (freedom of association and collective bargaining) based on International Labour Organisation (ILO) textual sources and national legislation, by sex and migrant status</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>The indicator measures the level of national compliance with fundamental rights at work (freedom of association and collective bargaining, FACB) for all ILO member states based on six international ILO supervisory body textual sources and also on national legislation. It is based on the coding of textual sources against a list of evaluation criteria and then converting the coding into indicators.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>INDICATOR</b>                | <b>8.9.1 Tourism direct GDP as a proportion of total GDP and in growth rate</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>Tourism Direct GDP (TDGDP) is defined as the sum of the part of gross value added (at basic prices) generated by all industries in response to internal tourism consumption plus the amount of net taxes on products and imports included within the value of this expenditure at purchasers' prices. The indicator relies on the Tourism Satellite Account: Recommended Methodological Framework 2008, an international standard adopted by the UN Statistical Commission and elaborated by UNWTO, OECD and EUROSTAT.</p> <p><b><u>National</u></b></p> <p>Tourism direct gross domestic product (TDGDP) is the sum of the part gross value added (at basic prices) generated by all industries in response to internal consumption. The amount of net taxes on products and imports are included within the value of this expenditure at purchasers' price.</p> |
| <b>FORMULA</b>                  | <p><b><u>National</u></b></p> $X_1 = \frac{TDGDP}{Total\ GDP} \times 100$ <p>Where,<br/> <math>X_1</math> refers to proportion</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>INDICATOR</b>                | <b>8.10.1 (a) Number of commercial bank branches per 100,000 adults and (b) number of automated teller machines (ATMs) per 100,000 adults</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>The number of commercial bank branches per 100,000 adults<br/> The number of automated teller machines (ATMs) per 100,000 adults</p> <p><b><u>National</u></b></p> <p>Number of commercial bank branches per 100,000 adults refers to the number of commercial banks branches at end-year reported by the Bank Negara Malaysia.</p> <p>Number of automated teller machines (ATMs) per 100,000 adults refers to the number of ATMs in the country for all types of financial institutions.</p>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>INDICATOR</b>                | <b>8.10.2 Proportion of adults (15 years and older) with an account at a bank or other financial institution or with a mobile-money-service provider</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>The percentage of adults (ages 15+) who report having an account (by themselves or together with someone else) at a bank or another type of financial institution or personally using a mobile money service in the past 12 months.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



| INDICATOR                | 8.a.1 Aid for Trade commitments and disbursements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p><i>Aid for Trade commitments and disbursements is the gross disbursements and commitments of total Official Development Assistance (ODA) from all donors for aid for trade.</i></p> <p>Concepts:</p> <p><i>The Development Assistance Committee (DAC) defines Official Development Assistance (ODA) as “those flows to countries and territories on the DAC List of ODA Recipients and to multilateral institutions which are:</i></p> <ul style="list-style-type: none"> <li><i>i) provided by official agencies, including state and local governments, or by their executive agencies; and</i></li> <li><i>ii) each transaction is administered with the promotion of the economic development and welfare of developing countries as its main objective; and is concessional in character and conveys a grant element of at least 25 per cent.</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| INDICATOR                | 8.b.1 Existence of a developed and operationalised national strategy for youth employment, as a distinct strategy or as part of a national employment strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p><i>The proposed methodology draws on:</i></p> <ul style="list-style-type: none"> <li><i>a. Global policy instruments, notably:</i> <ul style="list-style-type: none"> <li><i>• Resolution on the youth employment crisis: A call for action, adopted at the 101st session of the International Labour Conference (ILC) in June 2012. In calling for vigorous, collective action to address an aggravated youth employment crisis, this resolution advocates for a multi-pronged approach with policy measures that are context-specific and integrated, entailing strategies which bring together in a coherent manner a variety of instruments to increase the demand, enhance the supply and improve matching in youth labour markets.</i></li> <li><i>• Recovering from the crisis: A Global Jobs Pact adopted by the ILC at its June 2009 session. Based on the ILO’s Decent Work Agenda, the Global Jobs Pact presents an integrated portfolio of policies that puts employment and social protection at the centre of crisis response, recognising the critical role of participation and social dialogue.</i></li> </ul> </li> <li><i>b. ILO databases:</i> <ul style="list-style-type: none"> <li><i>• International monitoring of youth employment policies was carried out over the period 2010-2012 by the Youth Employment Network (YEN) – a partnership between the ILO, United Nations and World Bank – utilising a questionnaire sent to national authorities. This evolved into YouthPOL, an inventory of youth employment policies and programmes maintained by the ILO (65 countries covered to date).</i></li> <li><i>• The ILO also maintains EmPol, a dataset of broader national employment policies (143 countries covered).</i></li> </ul> </li> </ul> |



| The information and documents provided by national authorities will be analysed by the ILO to classify countries according to this grid: |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Value                                                                                                                                    | Description                                                                                                      |
| Missing value                                                                                                                            | No information available to assess the existence of a national strategy for youth employment.                    |
| 0                                                                                                                                        | The country has not developed any national strategy for youth employment or taken steps to develop or adopt one. |
| 1                                                                                                                                        | The country is in the process of developing a national strategy for youth employment.                            |
| 2                                                                                                                                        | The country has developed and adopted a national strategy for youth employment                                   |
| 3                                                                                                                                        | The country has operationalised a national strategy for youth employment.                                        |

## GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

| INDICATOR                | 9.1.1 Proportion of the rural population who live within 2 km of an all-season road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p>The indicator (commonly known as the Rural Access Index or RAI) measures the share of a country's rural population that lives within 2 km of an all-season road.</p> <p>Since 2016, geospatial methodology introduced to measure this indicator. This methodology is more sustainable, consistent, easy and relevant in terms of operation.</p>                                                                                                                                                                                                                                                                                                                                                                               |
| FORMULA                  | <p>Rural population who live within a 2km of<br/>a good road</p> $X_1 = \frac{\text{Total rural population of the country}}{\text{Total rural population of the country}} \times 100$ <p>Where,</p> <p>X<sub>1</sub> refers to the proportion of the rural population who live within 2 km of an all-season road</p>                                                                                                                                                                                                                                                                                                                                                                                                             |
| INDICATOR                | 9.1.2 Passenger and freight volumes, by mode of transport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONCEPTS AND DEFINITIONS | <p><b>Global</b></p> <p>Passenger and freight volumes are respectively measured in passenger-km and tonne-km, and broken down by mode of transport. For the purposes of monitoring this indicator, passenger-km data are split between aviation, road (broken down between passenger cars, buses and motorcycles) and rail, and tonne-km are split between aviation, road, rail and inland waterways. As maritime data are not widely available, only tonnes (rather than tonne-km) data at the regional level have been shared.</p> <p><b>National</b></p> <p>Passenger and freight volumes are the sum of the passenger and freight volumes reported in terms of number of people and metric tonnes of cargo respectively.</p> |



| INDICATOR                       | 9.2.1 Manufacturing value added as a proportion of GDP and per capita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b><br/> Manufacturing Value Added (MVA) as a proportion of gross domestic product (GDP) is a ratio between MVA and GDP, both reported in constant 2015 USD.</p> <p>MVA per capita is calculated by dividing MVA in constant 2015 USD by population of a country or area.</p> <p><b><u>Proxy</u></b><br/> This indicator is defined as the ratio between Manufacturing Values Added (MVA) and the gross domestic product (GDP) as a proportion of GDP and per capita. It is represented as a percentage. MVA per capita is the total MVA divided by the total population. The data are measured in RM.</p>                                                                                                                                                                                                                                                   |
| INDICATOR                       | 9.2.2 Manufacturing employment as a proportion of total employment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>CONCEPTS AND DEFINITIONS</p> | <p>This indicator presents the share of manufacturing employment in total employment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| INDICATOR                       | 9.3.1 Proportion of small-scale industries in total industry value added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b><br/> Small-scale industrial enterprises, in the SDG framework also called “small-scale industries”, defined here for the purpose of statistical data collection and compilation refer to statistical units, generally enterprises, engaged in production of goods and services for market below a designated size class.</p> <p>Proportion of “small-scale industries” in total industry value added represents an indicator calculating the share of manufacturing value added of small-scale manufacturing enterprises in the total manufacturing value added.</p> <p><b><u>National</u></b><br/> The small-scale industries are referring to Small Medium Enterprise (SME). The proportion of SME in total value added is an indicator calculated as a share of value added for SME manufacturing enterprises in total manufacturing value added.</p> |
| <p>FORMULA</p>                  | <p><b><u>National</u></b></p> $X_1 = \frac{\text{Manufacturing value added of SME}}{\text{Total manufacturing value added}} \times 100$ <p>Where,</p> <p><math>X_1</math> refers to proportion of Small Medium Enterprise (SME) in total value added.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| INDICATOR                       | 9.3.2 Proportion of small-scale industries with loan or line of credit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b></p> <p>Small-scale industrial enterprises, in the SDG framework also called “small-scale industries”, defined here for the purpose of statistical data collection and compilation refer to statistical units, generally enterprises, engaged in production of goods and services for market below a designated size class.</p> <p>This indicator shows the number of “small-scale industries” with an active line of credit or a loan from a financial institution in the reference year in percentage to the total number of such enterprises.</p> <p><b><u>National</u></b></p> <p>The small-scale industries are referring to Small Medium Enterprise (SME). The proportion of SME with a loan or line of credit is calculated as the number of SME with an active line of credit or a loan from a financial institution in the reference year in percentage to the total number of such enterprises.</p> |
| <p>FORMULA</p>                  | <p><b><u>National</u></b></p> $X_1 = \frac{\text{Number of SME with loan or active line of credit}}{\text{Total number of SME}} \times 100$ <p>Where,</p> <p><math>X_1</math> refers to proportion of Small Medium Enterprise (SME) with a loan or active line of credit</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| INDICATOR                       | 9.4.1 CO <sub>2</sub> emission per unit of value added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b></p> <p>Carbon dioxide (here after, CO<sub>2</sub>) emissions per unit value added is an indicator computed as ratio between CO<sub>2</sub> emissions from fuel combustion and the value added of associated economic activities. The indicator can be computed for the whole economy (total CO<sub>2</sub> emissions/GDP) or for specific sectors, notably the manufacturing sector (CO<sub>2</sub> emissions from manufacturing industries per Manufacturing Value Added (MVA).</p> <p>CO<sub>2</sub> emissions per unit of GDP are expressed in kilogrammes of CO<sub>2</sub> per USD constant 2010 PPP GDP. CO<sub>2</sub> emissions from manufacturing industries per unit of MVA are measured in kilogrammes of CO<sub>2</sub> equivalent per unit of MVA in constant 2015 USD.</p> <p><b><u>Proxy</u></b></p> <p>Greenhouse gas emissions.</p>                                                         |
| INDICATOR                       | 9.5.1 Research and development expenditure as a proportion of GDP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>CONCEPTS AND DEFINITIONS</p> | <p><b><u>Global</u></b></p> <p>Research and development (R&amp;D) expenditure as a proportion of Gross Domestic Product (GDP) is the amount of R&amp;D expenditure divided by the total output of the economy.</p> <p><b><u>National</u></b></p> <p>Total intramural expenditure on R&amp;D performed in the national territory during a specific reference period expresses as a percentage of GDP of the national territory (UIS, 2019).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



| INDICATOR                | 9.5.2 Researchers (in full-time equivalent) per million inhabitants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The researchers (in full-time equivalent) per million inhabitants are a direct measure of the number of research and development workers per 1 million people.</p> <p><b><u>National</u></b></p> <p>The ratio of working hours actually spent on R&amp;D during a specific reference period divided by the total number of hours conventionally worked in the same period by an individual or by a group (Frascati Manual, 2015) expressed as a proportion of a million inhabitants.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| INDICATOR                | 9.a.1 Total official international support (official development assistance plus other official flows) to infrastructure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Gross disbursements of total ODA and other official flows from all donors in support of infrastructure.</p> <p>Concepts:</p> <p>ODA: The DAC defines ODA as “those flows to countries and territories on the DAC List of ODA Recipients and to multilateral institutions which are:</p> <p>i) provided by official agencies, including state and local governments, or by their executive agencies; and</p> <p>ii) each transaction is administered with the promotion of the economic development and welfare of developing countries as its main objective; and is concessional in character and conveys a grant element of at least 25 per cent (calculated at a rate of discount of 10 per cent).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| INDICATOR                | 9.b.1 Proportion of medium and high-tech industry value added in total value added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The proportion of medium-high and high-tech industry (MHT hereafter) value added in total value added of manufacturing (MVA hereafter) is a ratio value between the value added of MHT industry and MVA.</p> <p><b><u>National</u></b></p> <p>The proportion of medium and high-tech industry (MHT) value added in total value added of manufacturing (MVA) is a ratio value between the values added of MHT industry and MVA.</p> <p>The MHT industry is defined by Malaysia Standard Industrial Classification (MSIC) 2008 Version 1.0 at two-digit level:</p> <ol style="list-style-type: none"> <li>1. Code 20 - Manufacture of chemicals &amp; chemical products</li> <li>2. Code 21 - Manufacture of basic pharmaceutical products &amp; pharmaceutical preparations</li> <li>3. Code 26 - Manufacture of computer, electronic &amp; optical products</li> <li>4. Code 27 - Manufacture of electrical equipment</li> <li>5. Code 28 - Manufacture of machinery &amp; equipment n.e.c</li> <li>6. Code 29 - Manufacture of motor vehicles, trailers &amp; semi-trailers</li> <li>7. Code 30 (excluding 301) - Manufacture of other transport equipment</li> </ol> |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORMULA                  | <p><b><u>National</u></b></p> $X_1 = \frac{\text{Value added medium and high – tech Industry (MHT)}}{\text{Value added manufacturing sector (MS)}} \times 100$ <p>Where,<br/> <math>X_1</math> refers to proportion of medium and high-tech industry value added</p>                                                                                                                                   |
| INDICATOR                | <b>9.c.1 Proportion of population covered by a mobile network, by technology</b>                                                                                                                                                                                                                                                                                                                       |
| CONCEPTS AND DEFINITIONS | Proportion of population covered by a mobile network, broken down by technology, refers to the percentage of inhabitants living within range of a mobile-cellular signal, irrespective of whether or not they are mobile phone subscribers or users. This is calculated by dividing the number of inhabitants within range of a mobile-cellular signal by the total population and multiplying by 100. |
| FORMULA                  | $X_1 = \frac{\text{Number of inhabitants within range of a mobile – cellular signal}}{\text{Total population}} \times 100$ <p>Where,<br/> <math>X_1</math> refers to proportion of population covered by a mobile network</p>                                                                                                                                                                          |

## GOAL 10: REDUCED INEQUALITIES

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDICATOR                | <b>10.1.1 Growth rates of household expenditure or income per capita among the bottom 40 per cent of the population and the total population</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The growth rate in the welfare aggregate of bottom 40 per cent is computed as the annualised average growth rate in per capita real consumption or income of the bottom 40 per cent of the income distribution in a country from household surveys over a roughly 5-year period. The national average growth rate in the welfare aggregate is computed as the annualised average growth rate in per capita real consumption or income of the total population in a country from household surveys over a roughly 5-year period.</p> <p><b><u>National</u></b></p> <p>The growth rate in aggregate well-being below 40 per cent is calculated as the average annual growth rate in real consumption per capita or below 40 per cent of the income distribution in a country from a household survey over a period of approximately 5 years. The national average growth rate in aggregate well-being is calculated as the annual average growth rate in real consumption per capita or income of the total population in a country from a household survey over a period of approximately 5 years.</p> <p>Data for households refers to citizen data only.</p> |



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INDICATOR</b>                | <b>10.2.1 Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>The proportion of people living below 50 per cent of median income (or consumption) is the share (%) of a country's population living on less than half of the consumption/income level of the median of the national income/consumption distribution.</p> <p><b><u>Proxy</u></b></p> <p>Proportion of households below 50 per cent of median income.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>INDICATOR</b>                | <b>10.4.1 Labour share of GDP, comprising wages and social protection transfers</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>Labour share of Gross Domestic Product (GDP) is the total compensation of employees and the labour income of the self-employed given as a percent of GDP, which is a measure of total output. It provides information about the relative share of output which accrues to workers as compared with the share that accrues to capital in the production process for a given reference period.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>FORMULA</b>                  | $X_1 = \frac{(\text{Total compensation of employees}) + (\text{Labour income of self – employed})}{\text{Gross Domestic Product}} \times 100$ <p>Where,</p> <p><math>X_1</math> refers to labour share of Gross Domestic Product</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>INDICATOR</b>                | <b>10.5.1 Financial Soundness Indicators (FSI)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>Seven FSIs are included as SDG indicators for 10.5.1 and expressed as percent.</p> <p>1- Regulatory Tier 1 capital to assets: This is the ratio of the core capital (Tier 1) to total (balance sheet) assets. For jurisdictions that have implemented the Basel III leverage ratio, this indicator would be calculated using Tier 1 capital as the numerator and the exposure measure as the denominator, which comprises balance sheet assets, derivatives exposures, securities financing transaction exposures, and off-balance-sheet items.</p> <p>2 - Regulatory Tier 1 capital to risk-weighted assets: It is calculated using regulatory Tier 1 capital as the numerator and risk-weighted assets as the denominator. The data for this FSI are compiled in accordance with the implemented Basel Accord (i.e., Basel I, Basel II, or Basel III).</p> <p>3 - Nonperforming loans net of provisions to capital: This FSI is calculated by taking the value of nonperforming loans (NPLs) less the value of specific provisions for NPLs as the numerator and total regulatory capital as the denominator.</p> <p>4 - Nonperforming loans to total gross loans: This FSI is calculated by taking the value of nonperforming loans (NPLs) less the value of specific provisions for NPLs as the numerator and total regulatory capital as the denominator.</p> <p>5 - Return on assets: This FSI is calculated by dividing annualized net income before taxes by the average value of total assets (financial and nonfinancial) over the same period.</p> |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <p>6 - Liquid assets to short-term liabilities: This FSI is calculated by using liquid assets as the numerator and short-term liabilities as the denominator. The components of liquid assets are defined in the IMF's 2019 FSIs Compilation Guide (2019 FSIs Guide).</p> <p>7- Net open position in foreign exchange to capital: The net open position in foreign exchange should be calculated based on the guidance in the 2019 FSIs Guide. Capital should be total regulatory capital as net open position in foreign exchange is a supervisory concept.</p>                                                                                                                                                                                                                                                                                                                                 |
| <b>INDICATOR</b>                | <b>10.6.1 Proportion of members and voting rights of developing countries in international organisations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>The indicator proportion of members and voting rights of developing countries in international organizations has two separate components: the developing country proportion of voting rights and the developing country proportion of membership in international organisations.</p> <p>The indicator is calculated independently for eleven different international institutions: The United Nations General Assembly (UNGA), the United Nations Security Council (UNSC), the United Nations Economic and Social Council (ECOSOC), the International Monetary Fund (IMF), the International Bank for Reconstruction and Development (IBRD), the International Finance Corporation (IFC), the African Development Bank (AFDB), the Asian Development Bank (ADB), the Inter-American Development Bank (IADB), the World Trade Organisation (WTO), and the Financial Stability Board (FSB).</p> |
| <b>INDICATOR</b>                | <b>10.7.2 Proportion of countries with migration policies to facilitate orderly, safe, regular and responsible migration and mobility of people</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>SDG Indicator 10.7.2 aims to describe the state of national migration policies and how such policies change over time. The information collected seeks to identify both progresses made and gaps, thus contributing to the evidence base for actionable recommendations for the implementation of SDG target 10.7.2 The indicator also serves for the future thematic reviews at the High-level Political Forum on Sustainable Development (HLPF).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>INDICATOR</b>                | <b>10.a.1 Proportion of tariff lines applied to imports from least developed countries and developing countries with zero-tariff</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>CONCEPTS AND DEFINITIONS</b> | <p>Proportion of total number of tariff lines (in per cent) applied to products imported from least developed countries and developing countries corresponding to a 0 per cent tariff rate in Harmonised System (HS) chapter 01-97.</p> <p>Concepts:</p> <p>Tariff line or National Tariff lines (NTL): National Tariff Line codes refer to the classification codes, applied to merchandise goods by individual countries, that are longer than the HS six digit level.</p> <p>Tariffs: Tariffs are customs duties on merchandise imports, levied either on an ad valorem basis (percentage of value) or on a specific basis (e.g. \$7 per 100 kg). Tariffs can be used to create a price advantage for similar locally-produced goods and for raising government revenues. Trade remedy measures and taxes are not considered to be tariffs.</p>                                               |



| INDICATOR                | 10.c.1 Remittance costs as a proportion of the amount remitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The target includes two components. The first component is that transaction costs for migrant remittances should be 3 per cent or less by 2030. This transaction cost should be intended as “Global average total cost of sending \$200 (or equivalent in local sending currency) and expressed as per cent of amount sent”. This indicator is readily available and published on a quarterly basis by the World Bank in the Remittance Prices Worldwide database, which covers 365 country corridors, from 48 sending to 105 receiving countries. The second component is to eliminate corridor where cost is 5 per cent or higher. This should be intended in the sense that it should be possible for remittance senders to send money to the beneficiary for an average cost of 5 per cent or less of the amount sent. For this purpose, it should suffice that in each corridor there are at least 3 services, meeting a defined set of service requirements (including service quality, reach etc.), for which the average is 5 per cent or less.</p> <p><b><u>National</u></b></p> <p>Outward remittance conducted by licensed non-bank remittance service providers in Malaysia for 5 major corridors (i.e. Indonesia, Bangladesh, India, Nepal, Philippines).</p> |
| FORMULA                  | <p><b><u>National</u></b></p> $X_1 = \left[ \left( \frac{\text{flat fee}}{\text{tier amount}} \right) + \left( \frac{\text{offered rate} - \text{World Bank's benchmark rate}}{\text{World Bank's benchmark rate}} \right) \right] \times 100$ <p>Where,<br/> <math>X_1</math> refers to proportion of remittance costs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES

| INDICATOR                | 11.1.1 Proportion of urban population living in slums, informal settlements or inadequate housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p>As per the 2030 Agenda, it is necessary to identify and quantify the proportion of the population that live in <b>slums, informal settlements</b> and <b>those living in inadequate housing</b> in order to inform the development of the appropriate policies and programmes for ensuring access for all to adequate housing and the upgrading of slums.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| INDICATOR                | 11.2.1 Proportion of population that has convenient access to public transport by sex, age and persons with disabilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONCEPTS AND DEFINITIONS | <p>This indicator will be monitored by the proportion of the population that has convenient access to public transport. The access to public transport is considered convenient when a stop is accessible within a walking distance along the street network of 500 m from a reference point such as a home, school, work place, market, etc. to a low-capacity public transport system (e.g. bus, Bus Rapid Transit) and/or 1 km to a high-capacity system (e.g. rail, metro, ferry). Additional criteria for defining public transport that is convenient include:</p> <ol style="list-style-type: none"> <li>Public transport accessible to all special-needs customers, including those who are physically, visually, and/or hearing-impaired, as well as those with temporary disabilities, the elderly, children and other people in vulnerable situations.</li> <li>Public transport with frequent service during peak travel times</li> <li>Stops present a safe and comfortable station environment</li> </ol> |

| INDICATOR                | 11.3.1 Ratio of land consumption rate to population growth rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The indicator is defined as the ratio of land consumption rate to population growth rate. This indicator requires defining the two components of population growth and land consumption rate. Computing the population growth rate is more straightforward and more readily available, while land consumption rate is slightly challenging, and requires the use of new techniques. In estimating the land consumption rate, one needs to define what constitutes “consumption” of land since this may cover aspects of “consumed” or “preserved” or available for “development” for cases such as land occupied by wetlands. Secondly, there is not one unequivocal measure of whether land that is being developed is truly “newly-developed” (or vacant) land, or if it is at least partially “redeveloped”. As a result, the percentage of current total urban land that was newly developed (consumed) will be used as a measure of the land consumption rate. The fully developed area is also sometimes referred to as built up area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| INDICATOR                | 11.3.2 Proportion of cities with a direct participation structure of civil society in urban planning and management that operates regularly and democratically                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Civil society organizations (CSOs) make a difference in international development. They provide development services and humanitarian relief, innovate in service delivery, build local capacity and advocate with and for the poor. Acting alone, however, their impact is limited in scope, scale and sustainability. CSOs need to engage in government policy processes more effectively. The development of sustainable human settlements calls for the active engagement of all key stakeholders with particular attention to project/programme beneficiaries and vulnerable groups. Therefore local and national governments should strive to:</p> <ul style="list-style-type: none"> <li>a) facilitate and protect people’s participation and civic engagement through independent civil society organizations that can be from diverse backgrounds - local, national, and international;</li> <li>b) promote civic and human rights education and training programmes to make urban residents aware of their rights and the changing roles of diverse women, men, and young women and men in urban settings; and</li> <li>c) remove the barriers that block participation of socially marginalized groups and promote non-discrimination and the full and equal participation of women, young men and women and marginalized groups.</li> </ul> <p>To monitor this indicator fully, it is important to define cities as unique entities and define what constitutes direct participation structures of civil society. Urban planning and management are more clear concepts that UN-Habitat has worked on developing for the last few decades and these are well articulated in the urban agenda documents. Experts who have worked on the methodological developments of this indicator have therefore put forth the below definitions to help guide the work on this indicator.</p> |



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <p><b><u>National</u></b></p> <p>(a) A total of 155 Local Authority that have legal instruments (Acts/Local Plans) that include CSO participation in urban planning and management.</p> <p>(b) A total of 139 Local Authority that practice public participation in urban planning and management during the preparation process of Local Plans/District Plans.</p> <p>(c) Related documents of Legal Requirements are as follows:</p> <ol style="list-style-type: none"> <li>1. Town and Country Planning Act 1976 (ACT 172) <ul style="list-style-type: none"> <li>• Section 12A and Section 13 of ACT 172</li> </ul> </li> <li>2. Federal Territories (Planning) Act 1982 (ACT 267) <ul style="list-style-type: none"> <li>• Section 14 of ACT 267</li> </ul> </li> <li>3. Town and Country Planning Ordinance (Sabah Cap. 141)</li> </ol> <p>This indicator is measured based on (b) The number of Local Authority that practice public participation in urban planning and management during the preparation process of Local Plans/District Plans, divided by (a) The number of Local Authority that have legal instruments (Acts/Local Plans) that include CSO participation in urban planning and management.</p> |
| <b>INDICATOR</b>                | <b>11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><b><u>Global</u></b></p> <p>This indicator measures the number of people who died, went missing or were directly affected by disasters per 100,000 population.</p> <p>Concepts:</p> <p><b><u>Death</u></b></p> <p>The number of people who died during the disaster, or directly after, as a direct result of the hazardous event.</p> <p><b><u>Missing</u></b></p> <p>The number of people whose whereabouts is unknown since the hazardous event. It includes people who are presumed dead, for whom there is no physical evidence such as a body, and for which an official/legal report has been filed with competent authorities.</p> <p><b><u>Directly affected</u></b></p> <p>The number of people who have suffered injury, illness or other health effects; who were evacuated, displaced, relocated or have suffered direct damage to their livelihoods, economic, physical, social, cultural and environmental assets. Indirectly affected are people who have suffered consequences, other than or in addition to direct effects, over time, due to disruption or changes in economy, critical infrastructure, basic services, commerce or work, or social, health and psychological consequences.</p>     |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p><b><u>National</u></b></p> <p><i>This indicator measures the number of people who died, went missing or were directly affected by disasters per 100,000 populations.</i></p> <p>Concepts:</p> <p><b><u>Death</u></b><br/> <i>The number of people who died during the disaster, or directly after, as a direct result of the hazardous event.</i></p> <p><b><u>Missing</u></b><br/> <i>The number of people whose whereabouts is unknown since the hazardous event. It includes people who are presumed dead, for whom there is no physical evidence such as a body, and for which an official/legal report has been filed with competent authorities.</i></p> <p><b><u>Directly affected</u></b><br/> <i>People who have suffered injury, illness or other health effects; who were evacuated, displaced, relocated; or have suffered direct damage to their livelihoods, economic, physical, social, cultural and environmental assets.</i></p> |
| FORMULA                  | $A_2 = \frac{\text{Number of deaths attributed to disasters in year } t}{\text{Total population in year } t} \times 100,000$ $A_3 = \frac{\text{Number of people with damaged dwellings in year } t}{\text{Total population in year } t} \times 100,000$ $B_1 = \frac{\text{Number of missing persons attributed to disasters in year } t}{\text{Total population in year } t} \times 100,000$ <p>Where,<br/> <i>A<sub>2</sub> refers to number of deaths attributed to disasters;<br/> A<sub>3</sub> refers to number of people with damaged dwellings; and<br/> B<sub>1</sub> refers to number of missing persons attributed to disasters</i></p>                                                                                                                                                                                                                                                                                                  |
| INDICATOR                | <b>11.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product (GDP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONCEPTS AND DEFINITIONS | <i>This indicator measures the ratio of direct economic loss attributed to disasters in relation to GDP.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| FORMULA                  | $X = \frac{(X_2 + X_3 + X_4 + X_5 + X_6)}{\text{Global GDP}}$ <p>Where:</p> <p><i>X<sub>2</sub> refers to direct agricultural loss attributed to disasters;<br/> X<sub>3</sub> refers to direct economic loss to all other damaged or destroyed productive assets attributed to disasters;<br/> X<sub>4</sub> refers to direct economic loss in the housing sector attributed to disasters;<br/> X<sub>5</sub> refers to direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters;<br/> X<sub>6</sub> refers to direct economic loss to cultural heritage damaged or destroyed attributed to disasters.</i></p>                                                                                                                                                                                                                                                                                      |



| INDICATOR                | 11.5.3 (a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p>Direct economic loss: the monetary value of total or partial destruction of physical assets existing in the affected area. Direct economic loss is nearly equivalent to physical damage.</p> <p>[a] An open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction established by the General Assembly (resolution 69/284) is developing a set of indicators to measure global progress in the implementation of the Sendai Framework. These indicators will eventually reflect the agreements on the Sendai Framework indicators.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| INDICATOR                | 11.6.1 Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>SDG indicator 11.6.1 measures the progress of the performance of a city's municipal solid waste management. It quantifies the parameters listed below, which are essential for planning and implementing sustainable Municipal Solid Waste (MSW). These variables are generally compatible with those collected through the UNSD/UNEP Questionnaire on Environment Statistics (waste section).</p> <ul style="list-style-type: none"> <li>a) Total MSW generated in the city (tonnes/day)</li> <li>b) Total MSW collected in the city (tonnes/day)</li> <li>c) Proportion of population with access to basic MSW collection services in the city (%)</li> <li>d) Total MSW managed in controlled facilities in the city (tonnes/day)</li> <li>e) MSW composition</li> </ul> <p><b>Municipal Solid Waste (MSW)</b></p> <p>Municipal Solid Waste includes waste generated from: households, commerce and trade, small businesses, office buildings and institutions (schools, hospitals, government buildings). It also includes bulky waste (e.g. white goods, old furniture, mattresses) and waste from selected municipal services, e.g. waste from park and garden maintenance, waste from street cleaning services (street sweepings, the content of litter containers, market cleansing waste), if managed as waste. The definition excludes waste from municipal sewage network and treatment, municipal construction and demolition waste.</p> <p><b><u>National</u></b></p> <p>Household solid waste is any solid waste produced by a household or released by any premises occupied as a residential house. Recycling Rate means the process of separating household solid waste according to the composition of the waste as follows: a) recycled waste; b) residual balance; and c) bulk/garden waste. This includes kitchen waste, food waste, dirty materials, disposable diapers, paper, plastic, bulk waste, garden waste and others (glass waste/ ceramics/ aluminum cans/ iron/ metal/ electronic waste/ electricity/ fabric/ shoes and hazardous waste).</p> |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p>The PBT area is divided into three areas which are operational, control and administrative areas. Operational Area is the area where PBT provides services. Controlled Areas are areas that PBT has control in terms of door tax charges. While the administrative area is the operational area and the control area.</p> <p>This data only covers solid waste produced by households or released by any premises occupied as a residential residence. Data covers solid waste collection by Local Authorities (PBT) and the National Solid Waste Management and Public Cleaning Corporation (SWCorp).</p>                                                                                                                                                                                                                                                                                                                                                    |
| FORMULA                  | <p><b><u>National</u></b></p> $X_1 = \left( \frac{\text{Total of recycled solid waste in the research area in year } t}{\text{Total of solid waste generated in the research area in year } t} \right) \times 100$ <p>Where:</p> <p><math>X_1</math> refers to Recycling Rate of Household Waste</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| INDICATOR                | <p><b>11.6.2 Annual mean levels of fine particulate matter (e.g. PM<sub>2.5</sub> and PM<sub>10</sub>) in cities (population weighted)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>The mean annual concentration of fine suspended particles of less than 2.5 microns in diameters (PM<sub>2.5</sub>) is a common measure of air pollution. The mean is a population-weighted average for urban population in a country, and is expressed in micrograms per cubic meter (µg/ m<sup>3</sup>).</p> <p><b><u>National</u></b></p> <p>Respirable particles of less than 10 micron in diameter. PM<sub>10</sub> can be in solid or liquid form and it includes aerosol, dust, smoke and pollen. These particles originate from power plants, industrial processes and open burning activities.</p>                                                                                                                                                                                                                                                                                                                        |
| FORMULA                  | <p><b><u>Global</u></b></p> <p>The annual urban mean concentration of PM<sub>2.5</sub> is estimated with improved modelling using data integration from satellite remote sensing, population estimates, topography and ground measurements (WHO, 2016a; Shaddick et al, 2016)</p> <p>PM<sub>2.5</sub>: 10 µg/m<sup>3</sup> annual mean<br/>25 µg/m<sup>3</sup> 24-hour mean</p> <p>PM<sub>10</sub>: 20 µg/m<sup>3</sup> annual mean<br/>50 µg/m<sup>3</sup> 24-hour mean</p> <p><b><u>National</u></b></p> <p>The annual average urban concentration of PM<sub>2.5</sub> is calculated based on the observation of particles every hour through automatic air quality monitoring stations placed in urban areas throughout Malaysia including Sabah and Sarawak.</p> <p>PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> annual mean<br/>50 µg/m<sup>3</sup> 24-hour mean</p> <p>PM<sub>10</sub>: 45 µg/m<sup>3</sup> annual mean<br/>120 µg/m<sup>3</sup> 24-hour mean</p> |



| INDICATOR                | 11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Indicator SDG 11.7.1 has several interesting concepts that required global consultations and consensus. These include; built-up area, cities, open spaces for public use, etc. As a custodian agency, UN-Habitat has worked on these concepts along with several other partners.</p> <ol style="list-style-type: none"> <li>1. <b>City:</b> A range of accepted definitions of the “city” exist, from those based on population data and extent of the built-up area to those that are based solely on administrative boundaries.</li> <li>2. <b>Built-up area of cities:</b> Conventionally, built up areas of cities are areas occupied by buildings and other artificial surfaces.</li> <li>3. <b>Open public space:</b> is any open piece of land that is undeveloped or land with no buildings (or other built structures) that is accessible to the public without charge, and provides recreational areas for residents and helps to enhance the beauty and environmental quality of neighbourhoods.</li> <li>4. <b>Potential open public space:</b> the identification of open public spaces across cities can be implemented through, among other sources, analysis of high to very high-resolution satellite imagery, from base-maps provided by different organizations (eg OpenStreetMap, Esri, etc) or as crowd-sourced and volunteered data</li> <li>5. <b>Streets</b> are defined thoroughfares that are based inside urban areas, towns, cities and neighbourhoods most commonly lined with houses or buildings used by pedestrians or vehicles in order to go from one place to another in the city, interact and to earn a livelihood.</li> <li>6. <b>Land allocated to streets</b> refers to the total area of the city/urban area that is occupied by all forms of streets</li> </ol> <p><b><u>National</u></b></p> <p>The PBT area is divided into three areas which are operational, control and administrative areas. Operational Area is the area where PBT provides services. Controlled Areas are areas that PBT has control in terms of door tax charges. While the administrative area is the operational area and the control area.</p> |
| INDICATOR                | 11.7.2 Proportion of persons victim of physical or sexual harassment, by sex, age, disability status and place of occurrence, in the previous 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>Number of persons who have been victims of physical harassment and/or sexual harassment, as a percentage of the total population of the relevant area.</p> <p>Sexual harassment refers to behaviour with a sexual connotation that is suitable to intimidate their victims, physical harassment refers to all other harassing behaviours that can cause fear for physical integrity and/or emotional distress.</p> <p><b><u>Proxy</u></b></p> <p>Number of sexual harassment victims.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| INDICATOR                | 11.a.1: Number of countries that have national urban policies or regional development plans that (a) respond to population dynamics; (b) ensure balanced territorial development; and (c) increase local fiscal space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONCEPTS AND DEFINITIONS | <p><b><u>Global</u></b></p> <p>National Urban Policies and regional development plans:</p> <p>A National Urban Policy (NUP) is defined as a coherent set of decisions or principle of actions derived through a deliberate government led process of coordinating and rallying various actors for a common vision and goal that will promote more transformative, productive, inclusive, and resilient urban development for the long term.</p> <p>This standard definition is extended and adapted to country contexts and may include, where applicable terms such as National Urban Plan, Framework, or Strategy as long as they are aligned with the above qualifiers.</p> <p>Similarly, regional development plans follow the same definition, only applied at the subnational level.</p> <ul style="list-style-type: none"> <li>• <b>NUP that responds to population dynamics:</b> This first qualifier examines to what extent the NUP addresses issues to do with population composition, trends and projections in achieving development goals and targets. Population composition includes size, geographic distribution and density, household size and composition, mobility and migration, age and sex distribution and disaggregation, as specified in SDG target 17.18. Trends are changes in composition of the population from over time. Projections are expected changes over time that the NUP needs to ensure that they are well addressed.</li> <li>• <b>Ensure balanced territorial development:</b> This second qualifier entails the promotion of a spatially coherent territory that includes a balanced system of human settlements including cities and towns and including urban corridors; that addresses social, economic, environmental and spatial disparities particularly considering the urban-rural continuum.</li> <li>• <b>Increase local fiscal space:</b> Local fiscal space is understood as the sum of financial resources available for improved delivery of basic social and economic services at the local level as a result of the budget and related decisions by governments at all levels without any prejudice to the sustainability of a government's financial position.</li> </ul> <p><b><u>National</u></b></p> <p>The Second National Municipal Policy (DPN2) 2016-2025 was prepared by Department of Town and Country Planning (PLANMalaysia) in 2016 in line with the Government's desire to achieve the well-being of the people in providing a safe and comfortable living environment for urban residents and also in line with 6 (Six) Strategic Core of the Eleventh Malaysia Plan (RMK11) and Sustainable Development Goals (SDGs) Goal 6 which is to ensure cities and human settlements that are inclusive, safe, resilient and sustainable. DPN2 formulates implementation objectives and strategies that take into account changes that have occurred and are expected to occur for the period 2016-2025.</p> |



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INDICATOR</b>                | <b>11.b.1 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>CONCEPTS AND DEFINITIONS</b> | <i>[a] An Open-ended Intergovernmental Expert Working Group on indicators and terminology relating to disaster risk reduction established by the General Assembly (resolution 69/284) is developing a set of indicators to measure global progress in the implementation of the Sendai Framework. These indicators will eventually reflect the agreements on the Sendai Framework indicators.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>INDICATOR</b>                | <b>11.b.2 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONCEPTS AND DEFINITIONS</b> | <p><i>The Sendai Framework for Disaster Risk Reduction 2015-2030 was adopted by UN Member States in March 2015 as a global policy of disaster risk reduction. One of the targets is: “Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020”.</i></p> <p><i>In line with the Sendai Framework for Disaster Risk Reduction 2015-2030, disaster risk reduction strategies and policies should mainstream and integrate disaster risk reduction within and across all sectors, across different timescales and with targets, indicators and time frames. These strategies should be aimed at preventing the creation of disaster risk, the reduction of existing risk and the strengthening of economic, social, health and environmental resilience.</i></p> <p><i>The Open-ended Intergovernmental Expert Working Group (OIEWG) on indicators and terminology relating to disaster risk reduction established by the General Assembly (resolution 69/284) has developed a set of indicators to measure global progress in the implementation of the Sendai Framework, which was endorsed by the UNGA (OIEWG report A/71/644). The relevant SDG indicators reflect the Sendai Framework indicators.</i></p> |

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

## Singkatan Abbreviation

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| n.a                      | Tidak berkenaan/ <i>Not applicable</i>                                                            |
| p                        | Permulaan/ <i>Preliminary</i>                                                                     |
| e                        | Anggaran/ <i>Estimates</i>                                                                        |
| r                        | Dikemaskini/ <i>Revised</i>                                                                       |
| f                        | Akhir/ <i>Final</i>                                                                               |
| %                        | Peratusan/ <i>Percentage</i>                                                                      |
| -                        | Tiada/ kosong/ tiada kes<br><i>Nil/ blank/ no cases</i>                                           |
| 0.0                      | Kurang daripada setengah unit terkecil ditunjukkan/<br><i>Less than half smallest unit shown</i>  |
| $\mu\text{g}/\text{m}^3$ | Mikrometer/ <i>Micrometer</i>                                                                     |
| ATM                      | Mesin Juruwang Automatik/<br><i>Automated Teller Machine</i>                                      |
| DPN/ NUP                 | Dasar Perbandaran Negara/<br><i>National Urban Policy</i>                                         |
| ETS                      | Electric Train Services                                                                           |
| FSI                      | Indikator Kestabilan Kewangan/<br><i>Financial Soundness Indicators</i>                           |
| GVA                      | Gross Value Added                                                                                 |
| KDNKI GDP                | Keluaran Dalam Negeri Kasar/<br><i>Gross Domestic Product</i>                                     |
| KDNKPLI TDGDP            | Keluaran Dalam Negeri Kasar Pelancongan Langsung/<br><i>Tourism Direct Gross Domestic Product</i> |
| KLIA                     | Lapangan Terbang Antarabangsa Kuala Lumpur/<br><i>Kuala Lumpur International Airport</i>          |
| KTM                      | Keretapi Tanah Melayu                                                                             |
| KTMB                     | Keretapi Tanah Melayu Berhad                                                                      |
| LRT                      | Transit Aliran Ringan/ <i>Light Rapid Transit</i>                                                 |
| MHT                      | Industri berteknologi sederhana dan tinggi/<br><i>Medium-high and high-tech industry</i>          |
| MRT                      | Transit Aliran Deras/ <i>Mass Rapid Transit</i>                                                   |



## Singkatan Abbreviation

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| <b>MSW</b>           | <b>Sisa Pepejal Perbandaran/ Municipal Solid Waste</b>                           |
| <b>MVA</b>           | <b>Nilai tambah sektor pembuatan/<br/><i>Manufacturing value added</i></b>       |
| <b>PBB/ UN</b>       | <b>Pertubuhan Bangsa-Bangsa Bersatu/<br/><i>United Nations</i></b>               |
| <b>PBT</b>           | <b>Pihak Berkuasa Tempatan/<br/><i>Local Authority</i></b>                       |
| <b>PKSI/ SME</b>     | <b>Perusahaan Kecil dan Sederhana/<br/><i>Small and Medium Enterprise</i></b>    |
| <b>PM</b>            | <b><i>Particulate matter</i></b>                                                 |
| <b>RM</b>            | <b>Ringgit Malaysia</b>                                                          |
| <b>RMKe-12</b>       | <b>Rancangan Malaysia Kedua Belas</b>                                            |
| <b>samb./ cont'd</b> | <b>Sambung/ <i>continued</i></b>                                                 |
| <b>STOL</b>          | <b>Pelepasan dan Pendaratan Singkat/<br/><i>Short Take Off &amp; Landing</i></b> |
| <b>t km</b>          | <b>Ton kilometer/ <i>Tonnes kilometre</i></b>                                    |
| <b>VNR</b>           | <b><i>Voluntary National Review</i></b>                                          |
| <b>WKB/ SPV</b>      | <b>Wawasan Kemakmuran Bersama/<br/><i>Shared Prosperity Vision</i></b>           |
| <b>W.P.</b>          | <b>Wilayah Persekutuan</b>                                                       |

## Singkatan Abbreviation

### Agensi/ Agencies

|                     |                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BNM</b>          | <b>Bank Negara Malaysia</b>                                                                                                                                  |
| <b>DOSM</b>         | <b>Jabatan Perangkaan Malaysia/</b><br><i>Department of Statistics Malaysia</i>                                                                              |
| <b>JASI/ DOE</b>    | <b>Jabatan Alam Sekitar/</b> <i>Department of Environment,</i>                                                                                               |
| <b>JKKP/ DOSH</b>   | <b>Jabatan Keselamatan &amp; Kesihatan Pekerjaan Malaysia/</b><br><i>Department of Occupational Safety &amp; Health</i>                                      |
| <b>JPSPN/ NSWMD</b> | <b>Jabatan Pengurusan Sisa Pepejal Negara/</b><br><i>National Solid Waste Management Department</i>                                                          |
| <b>KASA</b>         | <b>Kementerian Alam Sekitar dan Air/</b><br><i>Ministry of Environment and Water of Malaysia</i>                                                             |
| <b>KDN/ MOHA</b>    | <b>Kementerian Dalam Negeri/</b> <i>Ministry of Home Affairs</i>                                                                                             |
| <b>KKM/ MOH</b>     | <b>Kementerian Kesihatan Malaysia/</b> <i>Ministry of Health</i>                                                                                             |
| <b>KPKT</b>         | <b>Kementerian Perumahan dan Kerajaan Tempatan/</b><br><i>Ministry of Housing and Local Government</i>                                                       |
| <b>MOSTI</b>        | <b>Kementerian Sains, Teknologi &amp; Inovasi/</b><br><i>Ministry of Science, Technology and Innovation</i>                                                  |
| <b>MOT</b>          | <b>Kementerian Pengangkutan Malaysia/</b><br><i>Ministry of Transport Malaysia</i>                                                                           |
| <b>NADMA</b>        | <b>Agensi Pengurusan Bencana Negara/</b><br><i>National Disaster Management Agency, Malaysia</i>                                                             |
| <b>PDRM/ RMP</b>    | <b>Polis Diraja Malaysia/</b> <i>Royal Malaysia Police</i>                                                                                                   |
| <b>SKMM/ MCMC</b>   | <b>Suruhanjaya Komunikasi dan Multimedia Malaysia/</b><br><i>Malaysian Communications and Multimedia Commission</i>                                          |
| <b>ST</b>           | <b>Suruhanjaya Tenaga/</b> <i>Energy Commission</i>                                                                                                          |
| <b>SUHAKAM</b>      | <b>Suruhanjaya Hak Asasi Manusia Malaysia/</b><br><i>Human Rights Commission of Malaysia</i>                                                                 |
| <b>SWCorp</b>       | <b>Perbadanan Pengurusan Sisa Pepejal dan</b><br><b>Pembersihan Awam Negara/</b><br><i>Solid Waste Management and Public</i><br><i>Cleansing Corporation</i> |

**Muka surat ini sengaja dibiarkan kosong**  
*This page is deliberately left blank*

**PERTANYAAN BERHUBUNG DENGAN PENERBITAN INI BOLEH JUGA DIBUAT DI PEJABAT  
PERANGKAAN NEGERI SEPERTI BERIKUT:**

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Johor,  
Tingkat 14, Menara Tabung Haji,  
Jalan Air Molek,  
80000 Johor Bahru, Johor.  
Tel. : 07-225 3700  
Faks : 07-224 9972  
E-mel : jpjohor@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Kedah,  
Aras 1, Zon C, Wisma Persekutuan,  
Pusat Pentadbiran Kerajaan Persekutuan,  
Bandar Muadzam Shah,  
06550 Anak Bukit, Alor Setar, Kedah.  
Tel. : 04-700 1240  
Faks : 04-733 8412  
E-mel : jpkedah@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Kelantan,  
Tingkat 8, Bangunan Persekutuan,  
Jalan Bayam,  
15514 Kota Bharu, Kelantan.  
Tel. : 09-741 9449  
Faks : 09-748 2142  
E-mel : jpkelantan@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Melaka,  
Aras 7 & 8, Wisma Persekutuan,  
Jalan MITC, Hang Tuah Jaya,  
75450, Ayer Keroh,  
Melaka.  
Tel. : 06-252 2725  
Faks : 06-252 2711  
E-mel : jpmelaka@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Sembilan,  
Tingkat 12, Wisma Persekutuan,  
Jalan Dato' Abdul Kadir,  
70000 Seremban,  
Negeri Sembilan.  
Tel. : 06-765 5000  
Faks : 06-765 5002  
E-mel : jpnsembilan@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Pahang,  
Tingkat 7, Bangunan Persekutuan,  
Jalan Gambut,  
25000 Kuantan, Pahang.  
Tel. : 09-516 3931  
Fax : 09-513 9091  
E-mel : jppahang@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Pulau Pinang,  
Tingkat 6, Bangunan Persekutuan,  
10400 Jalan Anson,  
Pulau Pinang.  
Tel. : 04-226 6244  
Faks : 04-228 2244 / 04-229 9499  
E-mel : jppulaupinang@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Perak,  
Tingkat 3, Blok A,  
Bangunan Persekutuan Ipoh,  
Jalan Dato' Seri Ahmad Said (Greentown),  
30450 Ipoh, Perak.  
Tel. : 05-255 4963  
Faks : 05-255 1073  
E-mel : jpperak@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Perlis,  
Tingkat 1, Bangunan Perodua Kangar,  
No. 2C, Persiaran Jubli Perak  
01000 Kangar, Perlis.  
Tel. : 04-977 1221  
Faks : 04-977 1223  
E-mel : jpperlis@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Selangor,  
Tingkat 9, Bangunan Darul Ehsan,  
Jalan Indah, Seksyen 14,  
40000 Shah Alam, Selangor.  
Tel. : 03-5515 0200  
Faks : 03-5518 0408 / 5515 0204  
E-mel : jpselangor@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Terengganu,  
Tingkat 9, Wisma Persekutuan,  
Jalan Sultan Ismail,  
20200 Kuala Terengganu, Terengganu.  
Tel. : 09-622 3062  
Faks : 09-622 9659  
E-mel : admin\_jptrg@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Sabah,  
Tingkat 1-3, Blok C,  
Kompleks Pentadbiran Kerajaan Persekutuan Sabah,  
Jalan UMS, Beg Berkunci No. 2046,  
88999 Kota Kinabalu, Sabah.  
Tel. : 088-484 602  
Faks : 088-484 659  
E-mel : jpsabah@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia Negeri Sarawak,  
Tingkat 7 & 8, Bangunan Tun Datuk Patinggi  
Tuanku Haji Bujang, Jalan Simpang Tiga,  
93514 Kuching, Sarawak.  
Tel. : 082-240 287  
Faks : 082-242 609  
E-mel : sarawak@dosm.gov.my

Pengarah,  
Jabatan Perangkaan Malaysia  
Wilayah Persekutuan,  
Tingkat 14 & 15, Wisma FGV,  
Jalan Raja Laut,  
50350 Kuala Lumpur.  
Tel. : 03-2267 2400  
Faks : 03-2691 0639  
E-mel : jpwpl@dosm.gov.my

**ENQUIRIES ABOUT THIS PUBLICATION CAN ALSO BE MADE AT THE FOLLOWING STATE STATISTICS OFFICES:**

Director,  
Department of Statistics, Malaysia, Johor,  
14th Floor, Menara Tabung Haji,  
Jalan Air Molek,  
80000 Johor Bahru, Johor.  
Tel. : 07-225 3700  
Fax : 07-224 9972  
Email : [jpojohor@dosm.gov.my](mailto:jpjohor@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Kedah,  
1st Floor, Zon C, Wisma Persekutuan,  
Pusat Pentadbiran Kerajaan Persekutuan,  
Bandar Muadzam Shah,  
06550 Anak Bukit, Alor Setar, Kedah.  
Tel. : 04-700 1240  
Fax : 04-733 8412  
Email : [jpkedah@dosm.gov.my](mailto:jpkedah@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Kelantan,  
8th Floor, Bangunan Persekutuan,  
Jalan Bayam,  
15514 Kota Bharu, Kelantan.  
Tel. : 09-741 9449  
Fax : 09-748 2142  
Email : [jpkelantan@dosm.gov.my](mailto:jpkelantan@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Melaka,  
7th & 8th Floor, Wisma Persekutuan,  
Jalan MITC, Hang Tuah Jaya,  
75450, Ayer Keroh,  
Melaka.  
Tel. : 06-252 2725  
Fax : 06-252 2711  
Email : [jpmelaka@stats.gov.my](mailto:jpmelaka@stats.gov.my)

Director,  
Department of Statistics, Malaysia, Negeri Sembilan,  
12th Floor, Wisma Persekutuan,  
Jalan Dato' Abdul Kadir,  
70000 Seremban,  
Negeri Sembilan.  
Tel. : 06-765 5000  
Fax : 06-765 5002  
Email : [jpnsembilan@dosm.gov.my](mailto:jpnsembilan@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Pahang,  
7th Floor, Bangunan Persekutuan,  
Jalan Gambut,  
25000 Kuantan, Pahang.  
Tel. : 09-516 3931  
Fax : 09-513 9091  
Email : [jppahang@dosm.gov.my](mailto:jppahang@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Pulau Pinang,  
6th Floor, Bangunan Persekutuan,  
10400 Jalan Anson,  
Pulau Pinang.  
Tel. : 04-226 6244  
Fax : 04-228 2244 / 04-229 9499  
Email : [jppulaupinang@dosm.gov.my](mailto:jppulaupinang@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Perak,  
3rd Floor, Block A,  
Bangunan Persekutuan Ipoh,  
Jalan Dato' Seri Ahmad Said (Greentown),  
30450 Ipoh, Perak.  
Tel. : 05-255 4963  
Fax : 05-255 1073  
Email : [jpperak@dosm.gov.my](mailto:jpperak@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Perlis,  
1st Floor, Bangunan Perodua Kangar,  
No. 2C, Persiaran Jubli Perak  
01000 Kangar, Perlis.  
Tel. : 04-977 1221  
Fax : 04-977 1223  
Email : [jpperlis@dosm.gov.my](mailto:jpperlis@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Selangor,  
9th Floor, Bangunan Darul Ehsan,  
Jalan Indah, Seksyen 14,  
40000 Shah Alam, Selangor.  
Tel. : 03-5515 0200  
Fax : 03-5518 0408 / 5515 0204  
Email : [jpselangor@dosm.gov.my](mailto:jpselangor@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Terengganu,  
9th Floor, Wisma Persekutuan,  
Jalan Sultan Ismail,  
20200 Kuala Terengganu, Terengganu.  
Tel. : 09-622 3062  
Fax : 09-622 9659  
Email : [admin\\_jptrg@dosm.gov.my](mailto:admin_jptrg@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Sabah,  
Level 1-3, Block C,  
Kompleks Pentadbiran Kerajaan Persekutuan Sabah,  
Jalan UMS, Beg Berkunci No. 2046,  
88999 Kota Kinabalu, Sabah.  
Tel. : 088-484 602  
Fax : 088-484 659  
Email : [jpsabah@dosm.gov.my](mailto:jpsabah@dosm.gov.my)

Director,  
Department of Statistics, Malaysia, Sarawak,  
7th & 8th Floor, Bangunan Tun Datuk Patinggi  
Tuanku Haji Bujang, Jalan Simpang Tiga,  
93514 Kuching, Sarawak.  
Tel. : 082-240 287  
Fax : 082-242 609  
Email : [sarawak@dosm.gov.my](mailto:sarawak@dosm.gov.my)

Director,  
Department of Statistics, Malaysia,  
Federal Territories,  
14th & 15th Floor, Wisma FGV,  
Jalan Raja Laut,  
50350 Kuala Lumpur.  
Tel. : 03-2267 2400  
Fax : 03-2691 0639  
Email : [jpwpkl@dosm.gov.my](mailto:jpwpkl@dosm.gov.my)