SIARAN KHAS 2
Special Release

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

(UNTUK KERJA-KERJA PEMBINAAN BANGUNAN DAN STRUKTUR)
(For Building and Structural Works)

MEI 2016
MAY

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA

Tarikh: **10 Jun 2016**
Date: *10 June 2016*

KANDUNGAN
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RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

Indeks Kos Bahan Binaan Bangunan Semenanjung Malaysia Mei 2016

Indeks Kos Bahan Binaan Bangunan (IKB) (tanpa bar keluli dan termasuk bar keluli) mengikut kategori bangunan di beberapa kawasan menunjukkan perubahan pada Mei 2016 kecuali bangunan kayu dan cerucuk kayu yang tidak menunjukkan sebarang perubahan berbanding bulan sebelumnya. (Jadual 1A & 1B)

Indeks harga seunit bahan binaan yang menunjukkan perubahan berbanding April 2016 adalah simen di kawasan A (-1.9 mata), C (-0.4 mata), D (-0.4 mata) dan F (-1.2 mata); besi di kawasan A (5.1 mata), C (0.1 mata), D (1.3 mata) dan F (3.5 mata); pasir di kawasan E (-1.0 mata); batu bata & dinding di kawasan C (-0.3 mata); bahan bumbung di kawasan C (-0.3 mata); bahan siling di kawasan A (-0.1 mata); keratan keluli & logam di kawasan A (1.0 mata), C (1.0 mata), E (2.0 mata) dan F (0.6 mata); bahan kerja paip di kawasan E (0.1 mata); jubin lantai & dinding di kawasan A (-0.4 mata) dan E (1.0 mata); lengkapan kebersihan di kawasan A (0.1 mata) dan E (0.8 mata); kaca di kawasan C (1.0 mata); cat di kawasan A (0.3 mata), C (0.5 mata) dan F (0.3 mata); dan papan lapis di semua kawasan (0.1 mata). (Jadual 2)

Indeks harga seunit bagi keluli struktur di Selangor dan Wilayah Persekutuan Kuala Lumpur mencatatkan kenaikan pada Mei 2016 berbanding bulan sebelumnya kecuali gelegar keluli guling. (Jadual 3)

Building Material Cost Index Peninsular Malaysia May 2016

The Building Material Cost Index (BCI) (without steel bars and with steel bars) by category of building in several regions showed changes in May 2016 except for timber building and piling which remained unchanged as compared to the previous month. (Table 1A & 1B)

The unit price indices of building materials that showed changes as compared to April 2016 were cement in region A (-1.9 points), C (-0.4 points), D (-0.4 points) and F (-1.2 points); steel in region A (5.1 points), C (0.1 points), D (1.3 points) and F (3.5 points); sand in region E (-1.0 points); bricks & wall in region C (-0.3 points); roofing materials in region C (-0.3 points); ceiling materials in region A (-0.1 points); steel & metal sections in region A (1.0 points), C (1.0 points), E (2.0 points) and F (0.6 points); plumbing materials in region E (0.1 points); floor & wall tiles in region A (-0.4 points) and E (1.0 points); sanitary fittings in region A (0.1 points) and E (0.8 points); glass in region C (1.0 points); paints in region A (0.3 points), C (0.5 points) and F (0.3 points); and plywood in all regions (0.1 points). (Table 2)

The unit price indices for structural steel in Selangor and Wilayah Persekutuan Kuala Lumpur recorded increases in May 2016 as compared to the previous month except for rolled steel joists. (Table 3)

INDEKS KOS BAHAN BINAAN BANGUNAN
(JULAI 2012=100)
SEMENANJUNG MALAYSIA

BUILDING MATERIALS COST INDEX
(JULY 2012=100)
PENINSULAR MALAYSIA

(INDEKS TANPA BAR KELULI)
(INDEX WITHOUT STEEL BARS)

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli)

Table 1A: Building materials cost index by category of building and region (without steel bars)

(Julai 2012=100)

(July 2012=100)

Kategori Bangunan / *Category of Building*	Tempoh / *Period*	Kawasan* / *Region*					
		A	B	C	D	E	F
(1) Bangunan (K.T.)	**2015 Mei**	101.4	103.1	104.4	103.3	105.1	103.5
Satu Tingkat	**Jun**	101.3	103.1	104.4	103.3	105.1	103.6
Single - Storey (R.C.)	**Jul**	102.5	102.4	103.6	102.6	105.0	103.0
Building	**Ogos**	102.5	102.5	103.6	102.6	105.1	102.9
	Sept	105.1	105.2	106.1	105.2	108.0	105.7
	Okt	105.3	105.6	106.4	105.5	108.3	106.1
	Nov	108.3	108.4	109.1	108.4	111.4	109.0
	Dis	110.0	110.4	111.0	110.3	113.4	110.9
	2016 Jan	110.2	110.4	111.0	110.4	113.5	111.0
	Feb	110.8	111.1	111.6	111.0	114.1	111.6
	Mac	110.8	111.1	111.6	111.0	114.1	111.5
	Apr	112.2	112.7	113.2	112.6	115.8	113.2
	Mei	112.1	112.8	113.3	112.6	116.0	113.2
(2) Bangunan (K.T.)	**2015 Mei**	99.6	101.4	103.3	102.1	103.5	101.8
2–4 Tingkat	**Jun**	99.5	101.3	103.2	102.0	103.5	102.0
(Berbumbung Rata)	**Jul**	100.6	100.5	102.4	101.2	103.8	101.3
2−4 Storey (R.C.)	**Ogos**	100.6	100.5	102.3	101.2	103.8	101.3
Building (Flat Roof)	**Sept**	102.7	102.8	104.5	103.5	106.4	103.5
	Okt	102.8	103.2	104.7	103.7	106.7	104.0
	Nov	105.8	105.9	107.3	106.5	109.8	106.8
	Dis	107.8	108.1	109.4	108.7	112.0	109.0
	2016 Jan	108.0	108.2	109.3	108.7	112.1	109.0
	Feb	108.5	108.7	109.9	109.3	112.6	109.4
	Mac	108.4	108.7	109.8	109.3	112.6	109.4
	Apr	109.7	110.3	111.4	110.8	114.2	111.0
	Mei	109.6	110.3	111.5	110.8	114.4	110.9
(3) Bangunan (K.T.)	**2015 Mei**	100.9	104.8	106.6	105.4	106.7	105.0
2−4 Tingkat	**Jun**	100.8	104.7	106.6	105.4	106.7	105.2
(Berbumbung Curam)	**Jul**	101.9	101.9	103.7	102.5	104.9	102.5
2−4 Storey (R.C.)	**Ogos**	101.9	102.0	103.6	102.5	105.0	102.5
Building (Pitched Roof)	**Sept**	104.0	104.4	105.9	104.8	107.5	104.8
	Okt	104.1	104.7	106.0	105.0	107.8	105.3
	Nov	107.0	107.4	108.5	107.7	110.8	107.9
	Dis	108.7	109.3	110.4	109.7	112.8	109.9
	2016 Jan	108.9	109.4	110.4	109.7	112.8	109.9
	Feb	109.5	109.9	110.9	110.2	113.3	110.4
	Mac	109.4	109.9	110.8	110.2	113.3	110.3
	Apr	110.6	111.4	112.3	111.7	114.9	111.9
	Mei	110.4	111.4	112.4	111.7	115.1	111.8

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 1A**/*See footnotes at end of Table 1A*

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli) (samb.)

Table 1A: Building materials cost index by category of building and region (without steel bars) (cont'd)

(Julai 2012=100)

(July 2012=100)

Kategori Bangunan / *Category of Building*	Tempoh / *Period*	Kawasan* / *Region*					
		A	B	C	D	E	F
(4) Bangunan (K.T.)	**2015 Mei**	101.0	103.2	105.1	103.8	104.5	103.3
5 Tingkat dan Lebih	**Jun**	100.9	103.2	105.0	103.8	104.5	103.5
(Untuk Penginapan)	**Jul**	101.8	102.1	103.9	102.7	104.6	102.6
5 Storey and Above	**Ogos**	101.8	102.3	103.9	102.7	104.6	102.6
(R.C.) Building	**Sept**	103.6	104.4	105.7	104.6	106.9	104.5
(For Accommodation)	**Okt**	103.7	104.8	105.9	104.9	107.1	105.0
	Nov	106.4	107.2	108.0	107.3	109.7	107.3
	Dis	107.9	109.0	109.8	109.1	111.5	109.2
	2016 Jan	108.1	109.0	109.8	109.2	111.6	109.1
	Feb	108.6	109.5	110.2	109.6	112.1	109.5
	Mac	108.5	109.5	110.1	109.6	112.1	109.5
	Apr	109.5	110.9	111.5	111.0	113.5	110.8
	Mei	109.3	110.9	111.5	110.9	113.6	110.7
(5) Bangunan (K.T.)	**2015 Mei**	100.8	104.6	106.8	105.6	108.2	105.1
5 Tingkat dan Lebih	**Jun**	100.7	104.4	106.7	105.6	108.2	105.3
(Untuk Pejabat)	**Jul**	101.7	101.4	103.6	102.5	106.4	102.5
5 Storey and Above	**Ogos**	101.7	101.4	103.5	102.5	106.5	102.5
(R.C.) Building	**Sept**	103.5	103.4	105.5	104.5	108.8	104.4
(For Office)	**Okt**	103.5	103.7	105.6	104.7	109.1	104.9
	Nov	106.2	106.1	107.8	107.1	112.0	107.4
	Dis	107.7	108.0	109.6	109.0	113.9	109.3
	2016 Jan	108.0	108.1	109.6	109.1	113.9	109.2
	Feb	108.5	108.6	110.0	109.5	114.4	109.7
	Mac	108.4	108.6	109.9	109.5	114.4	109.6
	Apr	109.4	110.0	111.3	110.9	115.9	111.1
	Mei	109.2	110.0	111.4	110.8	116.1	111.0
(6) Bangunan Kayu	**2015 Mei**	98.7	98.7	99.0	98.8	99.7	98.8
Timber Building	**Jun**	98.7	98.7	99.0	98.8	99.7	98.8
	Jul	100.4	100.5	100.8	100.5	101.5	100.5
	Ogos	100.4	100.5	100.8	100.5	101.6	100.5
	Sept	104.6	104.7	104.9	104.7	105.8	104.8
	Okt	105.0	105.2	105.3	105.1	106.2	105.3
	Nov	109.3	109.4	109.5	109.3	110.5	109.5
	Dis	111.9	112.1	112.2	112.0	113.2	112.1
	2016 Jan	111.9	112.1	112.2	112.1	113.2	112.1
	Feb	112.8	113.0	113.1	113.0	114.1	113.0
	Mac	112.8	113.0	113.1	113.0	114.1	113.0
	Apr	115.2	115.4	115.5	115.4	116.5	115.4
	Mei	115.2	115.4	115.5	115.4	116.5	115.4

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 1A**/*See footnotes at end of Table 1A*

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli) (samb.)

Table 1A: Building materials cost index by category of building and region (without steel bars) (cont'd)

(Julai 2012=100)

(July 2012=100)

Kategori Bangunan / *Category of Building*	Tempoh / *Period*	Kawasan* / *Region*					
		A	B	C	D	E	F
(7) Cerucuk Kayu	**2015 Mei**	98.7	98.7	98.7	98.7	98.7	98.7
Timber Piling	**Jun**	98.7	98.7	98.7	98.7	98.7	98.7
	Jul	100.7	100.7	100.7	100.7	100.7	100.7
	Ogos	100.7	100.7	100.7	100.7	100.7	100.7
	Sept	105.6	105.6	105.6	105.6	105.6	105.6
	Okt	106.1	106.1	106.1	106.1	106.1	106.1
	Nov	110.9	110.9	110.9	110.9	110.9	110.9
	Dis	113.7	113.7	113.7	113.7	113.7	113.7
	2016 Jan	113.7	113.7	113.7	113.7	113.7	113.7
	Feb	114.8	114.8	114.8	114.8	114.8	114.8
	Mac	114.8	114.8	114.8	114.8	114.8	114.8
	Apr	117.5	117.5	117.5	117.5	117.5	117.5
	Mei	117.5	117.5	117.5	117.5	117.5	117.5
(8) Cerucuk K.T.	**2015 Mei**	102.2	109.8	112.7	111.4	107.8	106.8
R.C. Piling	**Jun**	101.9	110.2	112.7	111.4	107.8	107.5
	Jul	103.0	105.2	107.7	106.3	106.3	103.2
	Ogos	103.0	105.2	107.8	106.3	106.4	103.1
	Sept	103.3	106.3	108.5	106.8	107.5	103.6
	Okt	102.9	106.4	108.6	106.9	107.6	103.8
	Nov	105.3	108.0	109.9	108.5	109.2	105.3
	Dis	106.2	109.8	111.4	110.3	111.0	107.0
	2016 Jan	106.7	109.8	111.5	110.2	111.0	106.8
	Feb	107.1	110.0	111.9	110.4	111.2	106.8
	Mac	106.7	110.0	111.5	110.4	111.2	106.7
	Apr	106.7	110.9	112.3	111.3	112.1	107.5
	Mei	105.8	110.9	112.1	111.1	112.0	106.9

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

*** Kawasan**/*Region*

A = Pulau Pinang, Kedah dan Perlis

B = Perak

C = Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan dan Selangor

D = Johor

E = Pahang

F = Kelantan dan Terengganu

INDEKS KOS BAHAN BINAAN BANGUNAN
(JULAI 2012=100)
SEMENANJUNG MALAYSIA

BUILDING MATERIALS COST INDEX
(JULY 2012=100)
PENINSULAR MALAYSIA

(INDEKS TERMASUK BAR KELULI)
(INDEX WITH STEEL BARS)

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli)

Table 1B: Building materials cost index by category of building and region (with steel bars)

(Julai 2012=100)

(July 2012=100)

Kategori bangunan / *Category of building*	Tempoh / *Period*		Kawasan* / *Region* A	B	C	D	E	F
(1) Bangunan (K.T.)	**2015**	**Mei**	101.1	100.7	102.3	101.1	103.4	101.4
Satu Tingkat		**Jun**	100.9	100.4	102.2	101.1	103.5	101.5
Single - Storey (R.C.)		**Jul**	101.9	101.5	103.3	102.2	105.2	102.7
Building		**Ogos**	101.8	101.5	103.3	102.2	105.3	102.6
		Sept	104.2	103.8	105.7	104.7	108.0	105.2
		Okt	104.3	104.1	105.8	104.9	108.3	105.6
		Nov	107.1	106.7	108.4	107.6	111.3	108.2
		Dis	108.7	108.4	110.2	109.4	113.2	110.0
	2016	**Jan**	108.9	108.4	110.1	109.5	113.2	110.0
		Feb	109.6	109.0	110.7	110.0	113.8	110.5
		Mac	109.5	109.1	110.6	110.0	113.8	110.5
		Apr	111.0	110.6	112.3	111.5	115.5	112.2
		Mei	111.2	110.7	112.3	111.6	115.6	112.4
(2) Bangunan (K.T.)	**2015**	**Mei**	99.2	98.6	101.1	99.7	102.3	99.8
2−4 Tingkat		**Jun**	98.9	98.1	101.0	99.7	102.4	99.9
(Berbumbung Rata)		**Jul**	99.6	98.9	102.0	100.7	104.3	101.0
2−4 Storey (R.C.)		**Ogos**	99.4	98.8	101.9	100.7	104.3	100.9
Building (Flat Roof)		**Sept**	101.3	100.5	103.7	102.7	106.6	102.7
		Okt	101.3	100.6	103.8	102.8	106.9	103.1
		Nov	103.8	102.7	106.0	105.2	109.7	105.5
		Dis	105.5	104.5	107.9	107.1	111.7	107.4
	2016	**Jan**	105.7	104.5	107.9	107.1	111.8	107.2
		Feb	106.3	104.9	108.3	107.6	112.2	107.5
		Mac	106.2	105.0	108.0	107.5	112.2	107.5
		Apr	107.7	106.5	109.8	108.9	113.7	109.3
		Mei	108.1	106.5	109.8	109.0	113.9	109.6
(3) Bangunan (K.T.)	**2015**	**Mei**	100.4	100.0	102.3	101.0	103.2	100.9
2−4 Tingkat		**Jun**	100.2	99.5	102.2	101.0	103.3	101.0
(Berbumbung Curam)		**Jul**	100.9	100.4	103.2	102.0	105.2	102.1
2−4 Storey (R.C.)		**Ogos**	100.8	100.4	103.1	102.0	105.3	102.0
Building (Pitched Roof)		**Sept**	102.7	102.2	105.1	104.0	107.6	104.1
		Okt	102.7	102.4	105.1	104.1	107.9	104.4
		Nov	105.3	104.6	107.3	106.5	110.6	106.8
		Dis	106.7	106.2	109.1	108.2	112.4	108.5
	2016	**Jan**	106.9	106.1	109.0	108.3	112.5	108.3
		Feb	107.5	106.6	109.5	108.7	113.0	108.7
		Mac	107.4	106.7	109.2	108.7	113.0	108.6
		Apr	108.8	108.1	110.9	110.0	114.4	110.4
		Mei	109.1	108.1	110.9	110.1	114.5	110.6

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 1B**/*See footnotes at end of Table 1B*

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli) (samb.)

Table 1B: Building materials cost index by category of building and region (with steel bars) (cont'd)

(Julai 2012=100)

(July 2012=100)

Kategori bangunan / *Category of building*	Tempoh / *Period*	Kawasan* / *Region* A	B	C	D	E	F
(4) Bangunan (K.T.)	**2015 Mei**	100.4	100.0	102.5	101.1	103.2	101.0
5 Tingkat dan Lebih	**Jun**	100.0	99.3	102.4	101.1	103.2	101.1
(Untuk Penginapan)	**Jul**	100.5	100.0	103.2	101.9	105.1	102.1
5 Storey and Above	**Ogos**	100.3	100.0	103.2	101.9	105.2	102.0
(R.C.) Building	**Sept**	101.8	101.4	104.7	103.6	107.1	103.5
(For Accommodation)	**Okt**	101.7	101.6	104.6	103.6	107.3	103.8
	Nov	103.9	103.3	106.5	105.7	109.6	105.8
	Dis	105.1	104.6	108.0	107.1	111.2	107.3
	2016 Jan	105.4	104.6	108.0	107.2	111.3	107.1
	Feb	106.0	105.0	108.3	107.6	111.7	107.3
	Mac	105.8	105.1	108.0	107.5	111.7	107.2
	Apr	107.1	106.3	109.5	108.7	112.9	108.9
	Mei	107.6	106.3	109.6	108.8	113.0	109.2
(5) Bangunan (K.T.)	**2015 Mei**	100.2	99.5	102.3	101.0	104.7	100.9
5 Tingkat dan Lebih	**Jun**	99.9	98.8	102.2	100.9	104.7	101.0
(Untuk Pejabat)	**Jul**	100.4	99.4	103.0	101.8	106.7	102.0
5 Storey and Above	**Ogos**	100.2	99.3	102.9	101.8	106.8	101.9
(R.C.) Building	**Sept**	101.7	100.6	104.4	103.4	108.8	103.4
(For Office)	**Okt**	101.6	100.7	104.4	103.5	109.1	103.7
	Nov	103.8	102.4	106.3	105.6	111.6	105.8
	Dis	105.1	103.9	107.9	107.1	113.3	107.4
	2016 Jan	105.3	103.8	107.8	107.1	113.3	107.2
	Feb	105.9	104.2	108.2	107.5	113.8	107.4
	Mac	105.8	104.3	107.8	107.5	113.8	107.4
	Apr	107.1	105.5	109.4	108.7	115.0	109.1
	Mei	107.5	105.6	109.5	108.8	115.2	109.4
(6) Bangunan Kayu	**2015 Mei**	98.7	98.7	99.0	98.8	99.7	98.8
Timber Building	**Jun**	98.7	98.7	99.0	98.8	99.7	98.8
	Jul	100.4	100.5	100.8	100.5	101.5	100.5
	Ogos	100.4	100.5	100.8	100.5	101.6	100.5
	Sept	104.6	104.7	104.9	104.7	105.8	104.8
	Okt	105.0	105.2	105.3	105.1	106.2	105.3
	Nov	109.3	109.4	109.5	109.3	110.5	109.5
	Dis	111.9	112.1	112.2	112.0	113.2	112.1
	2016 Jan	111.9	112.1	112.2	112.1	113.2	112.1
	Feb	112.8	113.0	113.1	113.0	114.1	113.0
	Mac	112.8	113.0	113.1	113.0	114.1	113.0
	Apr	115.2	115.4	115.5	115.4	116.5	115.4
	Mei	115.2	115.4	115.5	115.4	116.5	115.4

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

*** Lihat nota kaki di hujung Jadual 1B**/*See footnotes at end of Table 1B*

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli) (samb.)

Table 1B: Building materials cost index by category of building and region (with steel bars) (cont'd)

(Julai 2012=100)

(July 2012=100)

Kategori bangunan / *Category of building*	Tempoh / *Period*	Kawasan* / *Region*					
		A	**B**	**C**	**D**	**E**	**F**
(7) Cerucuk Kayu	**2015 Mei**	98.7	98.7	98.7	98.7	98.7	98.7
Timber Piling	**Jun**	98.7	98.7	98.7	98.7	98.7	98.7
	Jul	100.7	100.7	100.7	100.7	100.7	100.7
	Ogos	100.7	100.7	100.7	100.7	100.7	100.7
	Sept	105.6	105.6	105.6	105.6	105.6	105.6
	Okt	106.1	106.1	106.1	106.1	106.1	106.1
	Nov	110.9	110.9	110.9	110.9	110.9	110.9
	Dis	113.7	113.7	113.7	113.7	113.7	113.7
	2016 Jan	113.7	113.7	113.7	113.7	113.7	113.7
	Feb	114.8	114.8	114.8	114.8	114.8	114.8
	Mac	114.8	114.8	114.8	114.8	114.8	114.8
	Apr	117.5	117.5	117.5	117.5	117.5	117.5
	Mei	117.5	117.5	117.5	117.5	117.5	117.5
(8) Cerucuk K.T.	**2015 Mei**	100.2	100.0	104.4	102.8	104.4	100.7
R.C. Piling	**Jun**	99.3	98.8	104.3	102.7	104.4	100.9
	Jul	99.2	98.9	104.7	103.1	107.1	101.5
	Ogos	98.7	98.2	104.7	103.1	107.1	101.3
	Sept	98.6	97.9	104.8	103.3	107.9	101.3
	Okt	98.0	97.4	104.5	103.1	108.0	101.1
	Nov	99.3	97.6	105.2	104.0	109.1	101.9
	Dis	99.5	98.1	106.3	104.8	110.3	102.7
	2016 Jan	100.0	97.8	106.3	104.7	110.3	102.1
	Feb	100.6	98.0	106.4	104.8	110.5	101.8
	Mac	100.2	98.2	105.4	104.6	110.5	101.7
	Apr	101.3	98.8	106.9	105.2	111.1	103.3
	Mei	102.4	98.8	106.8	105.5	111.0	104.0

Nota/*Note* **:**

K.T. = Konkrit Bertetulang/*R.C. = Reinforced Concrete*

*** Kawasan**/*Region*

A = Pulau Pinang, Kedah dan Perlis

B = Perak

C = Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan dan Selangor

D = Johor

E = Pahang

F = Kelantan dan Terengganu

INDEKS HARGA SEUNIT
BAHAN BINAAN BANGUNAN
(JULAI 2012=100)
SEMENANJUNG MALAYSIA

UNIT PRICE INDEX FOR
BUILDING MATERIALS
(JULY 2012=100)
PENINSULAR MALAYSIA

Jadual 2: Indeks harga seunit bagi batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis, lengkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*	Kawasan* *Region*					
		A	B	C	D	E	F
Bahan Binaan *Building Materials*							
(1) Batu Bata & Dinding *Bricks & Wall*	**2015 Mei**	105.6	108.1	108.9	105.5	102.1	109.9
	Jun	105.8	108.1	108.9	105.5	102.1	110.3
	Jul	105.6	109.1	108.7	105.5	102.3	110.3
	Ogos	105.6	109.8	108.9	105.5	102.3	110.3
	Sept	105.2	109.8	107.7	105.5	102.3	110.3
	Okt	105.2	109.8	107.6	105.4	102.1	112.5
	Nov	105.8	109.7	107.4	105.4	101.6	111.8
	Dis	105.6	109.7	107.3	105.2	101.4	112.0
	2016 Jan	105.6	109.6	107.2	105.8	101.4	111.5
	Feb	105.8	109.6	107.2	105.9	101.4	111.6
	Mac	105.8	109.6	107.2	106.2	101.4	111.9
	Apr	106.0	109.6	107.2	106.2	101.4	111.9
	Mei	106.0	109.6	106.9	106.2	101.4	111.9
(2) Kaca *Glass*	**2015 Mei**	109.2	108.4	112.1	110.8	109.8	111.9
	Jun	111.9	108.4	112.1	110.8	109.8	111.9
	Jul	111.9	108.4	112.1	110.8	109.8	111.9
	Ogos	111.9	108.4	112.1	110.8	109.8	111.9
	Sept	111.9	108.4	112.1	110.8	109.8	111.9
	Okt	111.9	108.4	112.6	110.8	109.8	111.9
	Nov	111.9	108.4	112.6	110.8	109.8	111.9
	Dis	111.9	108.4	112.9	110.8	109.8	111.9
	2016 Jan	111.9	108.4	113.5	110.8	109.8	111.9
	Feb	111.9	108.4	112.8	110.8	109.8	111.9
	Mac	111.9	108.4	114.7	110.8	109.8	111.9
	Apr	111.9	108.4	114.7	110.8	109.8	111.9
	Mei	111.9	108.4	115.7	110.8	109.8	111.9
(3) Batu Baur *Aggregates*	**2015 Mei**	110.6	109.3	125.8	112.1	109.3	103.4
	Jun	110.1	109.3	126.0	112.1	109.3	103.4
	Jul	109.8	109.3	126.4	112.1	109.3	103.4
	Ogos	109.4	109.3	126.8	112.1	109.3	103.4
	Sept	109.0	109.3	126.0	112.1	109.3	103.4
	Okt	109.0	109.3	126.2	112.1	109.3	103.4
	Nov	109.5	109.3	125.7	112.1	109.3	103.4
	Dis	109.2	109.3	124.7	112.1	109.3	103.4
	2016 Jan	109.2	109.3	124.8	112.1	109.3	103.0
	Feb	109.2	109.3	125.7	112.1	109.3	102.7
	Mac	109.2	109.3	125.3	112.1	109.3	101.3
	Apr	109.2	109.3	126.7	112.1	109.3	101.3
	Mei	109.2	109.3	126.7	112.1	109.3	101.3

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 2**/*See footnotes at end of Table 2*

Jadual 2: Indeks harga seunit bagi batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis, lengkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Kawasan* *Region*					
			A	B	C	D	E	F
Bahan Binaan *Building Materials*								
(4) Bahan Siling *Ceiling Materials*	**2015**	**Mei**	104.5	107.3	108.3	108.7	147.2	104.4
		Jun	104.5	107.3	108.2	108.7	147.2	103.8
		Jul	104.5	107.3	108.2	108.7	147.2	103.8
		Ogos	104.5	107.3	107.7	108.7	147.2	103.8
		Sept	104.3	107.1	108.5	108.7	148.7	103.8
		Okt	104.3	107.1	108.5	108.7	148.7	103.8
		Nov	104.3	107.1	108.5	108.7	148.7	103.9
		Dis	104.3	107.1	108.5	108.7	148.7	103.9
	2016	**Jan**	104.3	107.1	108.8	110.3	148.7	103.5
		Feb	104.3	107.5	108.8	110.3	148.7	103.5
		Mac	104.3	107.5	108.8	110.3	148.7	103.5
		Apr	103.3	107.5	108.8	110.3	148.7	103.5
		Mei	103.2	107.5	108.8	110.3	148.7	103.5
(5) Bahan Bumbung *Roofing Materials*	**2015**	**Mei**	108.1	105.9	109.4	107.9	107.6	105.6
		Jun	108.1	105.9	109.4	107.9	107.6	105.6
		Jul	108.0	105.9	109.4	107.9	107.6	105.8
		Ogos	108.0	105.9	109.4	107.9	107.6	105.8
		Sept	108.0	105.9	109.3	107.8	107.6	108.9
		Okt	108.0	105.9	109.2	107.0	107.6	108.9
		Nov	108.0	105.9	109.4	107.0	107.6	108.9
		Dis	108.0	105.9	109.4	107.0	107.6	108.9
	2016	**Jan**	108.0	105.9	109.2	107.3	107.6	108.7
		Feb	108.0	105.9	109.2	107.3	107.6	108.7
		Mac	108.0	105.9	109.1	107.3	107.6	108.7
		Apr	108.0	105.9	109.1	107.3	107.6	108.7
		Mei	108.0	105.9	108.8	107.3	107.6	108.7
(6a) Kayu *Timber*	**2015**	**Mei**	98.7	98.7	98.7	98.7	98.7	98.7
		Jun	98.7	98.7	98.7	98.7	98.7	98.7
		Jul	100.7	100.7	100.7	100.7	100.7	100.7
		Ogos	100.7	100.7	100.7	100.7	100.7	100.7
		Sept	105.6	105.6	105.6	105.6	105.6	105.6
		Okt	106.1	106.1	106.1	106.1	106.1	106.1
		Nov	110.9	110.9	110.9	110.9	110.9	110.9
		Dis	113.7	113.7	113.7	113.7	113.7	113.7
	2016	**Jan**	113.7	113.7	113.7	113.7	113.7	113.7
		Feb	114.8	114.8	114.8	114.8	114.8	114.8
		Mac	114.8	114.8	114.8	114.8	114.8	114.8
		Apr	117.5	117.5	117.5	117.5	117.5	117.5
		Mei	117.5	117.5	117.5	117.5	117.5	117.5

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 2**/*See footnotes at end of Table 2*

Jadual 2: Indeks harga seunit bagi batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis, lengkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Kawasan* *Region*					
			A	B	C	D	E	F
Bahan Binaan *Building Materials*								
(6b) Papan Lapis *Plywood*	**2015**	**Mei**	68.8	68.8	68.8	68.8	68.8	68.8
		Jun	68.8	68.8	68.8	68.8	68.8	68.8
		Jul	69.5	69.5	69.5	69.5	69.5	69.5
		Ogos	69.5	69.5	69.5	69.5	69.5	69.5
		Sept	70.3	70.3	70.3	70.3	70.3	70.3
		Okt	70.3	70.3	70.3	70.3	70.3	70.3
		Nov	74.8	74.8	74.8	74.8	74.8	74.8
		Dis	83.0	83.0	83.0	83.0	83.0	83.0
	2016	**Jan**	83.0	83.0	83.0	83.0	83.0	83.0
		Feb	83.0	83.0	83.0	83.0	83.0	83.0
		Mac	83.0	83.0	83.0	83.0	83.0	83.0
		Apr	85.5	85.5	85.5	85.5	85.5	85.5
		Mei	85.6	85.6	85.6	85.6	85.6	85.6
(7) Lengkapan Kebersihan *Sanitary Fittings*	**2015**	**Mei**	108.2	113.5	113.2	106.2	102.0	110.4
		Jun	108.0	113.5	113.2	106.2	102.0	110.4
		Jul	107.9	113.3	113.2	106.2	102.2	110.6
		Ogos	107.9	113.3	113.2	106.2	102.2	110.7
		Sept	107.9	113.3	113.3	106.2	104.6	110.7
		Okt	107.9	114.7	113.3	106.2	105.7	110.7
		Nov	108.1	115.3	113.3	106.2	106.6	110.7
		Dis	108.1	115.8	113.3	106.2	106.6	110.7
	2016	**Jan**	108.2	117.6	113.3	106.2	106.6	110.7
		Feb	108.2	119.1	115.1	106.6	106.6	111.4
		Mac	108.5	121.4	114.8	106.7	106.6	111.4
		Apr	108.5	123.3	114.8	106.8	107.5	111.4
		Mei	108.6	123.3	114.8	106.8	108.3	111.4
(8) Jubin Lantai & Dinding *Floor & Wall Tiles*	**2015**	**Mei**	115.5	112.6	112.5	105.7	124.9	116.1
		Jun	115.5	112.6	112.5	105.7	125.2	115.6
		Jul	115.5	112.7	112.7	105.7	127.3	115.4
		Ogos	115.5	113.1	112.7	105.7	127.3	115.2
		Sept	115.5	113.7	112.2	105.7	127.3	115.1
		Okt	115.5	113.7	112.3	105.7	127.3	115.1
		Nov	115.5	113.7	112.3	105.7	130.5	115.1
		Dis	115.5	113.7	112.3	105.7	132.4	115.1
	2016	**Jan**	117.1	114.3	112.3	105.7	132.4	117.4
		Feb	117.1	114.3	113.3	105.7	132.4	117.8
		Mac	117.9	114.3	114.3	105.7	132.4	117.8
		Apr	117.6	114.3	114.3	105.7	134.6	118.6
		Mei	117.2	114.3	114.3	105.7	135.6	118.6

*** Lihat nota kaki di hujung Jadual 2**/*See footnotes at end of Table 2*

Jadual 2: Indeks harga seunit bagi batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis, lengkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Kawasan* *Region*					
			A	B	C	D	E	F
Bahan Binaan *Building Materials*								
(9) Bahan Kerja Paip *Plumbing Materials*	**2015**	**Mei**	108.6	106.4	104.9	106.9	110.6	107.6
		Jun	108.6	106.4	104.9	106.9	110.6	107.7
		Jul	107.4	106.4	104.9	106.9	110.6	107.7
		Ogos	107.4	109.6	104.9	106.9	110.6	107.8
		Sept	107.4	110.6	104.8	106.9	110.1	107.8
		Okt	108.1	113.2	104.7	106.9	110.2	107.8
		Nov	108.1	113.2	104.6	106.9	110.2	107.9
		Dis	108.1	113.2	104.6	106.9	110.2	107.9
	2016	**Jan**	108.5	113.2	104.6	107.0	110.2	107.9
		Feb	108.5	113.2	104.6	107.0	110.2	107.9
		Mac	108.5	113.2	104.6	107.0	110.2	107.9
		Apr	107.9	113.2	104.6	107.0	110.2	107.9
		Mei	107.9	113.2	104.6	107.0	110.3	107.9
(10) Keratan Keluli & Logam *Steel & Metal Sections*	**2015**	**Mei**	101.7	91.8	101.0	99.4	119.8	105.0
		Jun	102.1	88.9	100.5	99.3	119.8	105.0
		Jul	100.3	88.3	100.2	99.3	119.3	105.3
		Ogos	100.3	87.9	99.0	99.3	120.1	105.3
		Sept	100.3[r]	85.7	98.6	99.3	121.5	105.1
		Okt	99.7	85.3	97.7	99.3	121.5	106.8
		Nov	99.6	85.3	97.1	99.6	125.1	108.2
		Dis	99.4	85.4	96.8	99.6	125.1	108.2
	2016	**Jan**	99.4	85.5	95.8	99.7	125.1	108.2
		Feb	99.4	85.5	95.2	99.7	125.1	108.2
		Mac	99.4	85.5	94.8	99.7	125.1	108.2
		Apr	99.7	85.5	95.6	99.7	125.1	109.5
		Mei	100.7	85.5	96.6	99.7	127.1	110.1
(11) Pasir *Sand*	**2015**	**Mei**	123.0	116.0	111.2	121.1	115.9	111.3
		Jun	122.9	119.9	112.5	121.1	115.9	111.3
		Jul	122.8	119.9	112.5	121.1	118.5	111.3
		Ogos	123.2	119.9	112.5	121.1	119.1	111.3
		Sept	123.4	119.9	112.5	120.5	119.6	111.3
		Okt	123.4	119.9	112.5	120.5	119.6	111.3
		Nov	123.4	119.9	112.5	120.5	119.6	111.3
		Dis	123.5	119.9	112.1	121.1	119.6	111.3
	2016	**Jan**	123.3	119.9	112.8	120.9	119.6	111.3
		Feb	123.3	119.9	113.4	120.9	119.6	111.3
		Mac	123.3	119.9	113.3	120.9	119.6	111.3
		Apr	123.3	119.9	112.8	120.9	119.6	111.3
		Mei	123.3	119.9	112.8	120.9	118.6	111.3

r = Kemaskini/*Revised*

*** Lihat nota kaki di hujung Jadual 2**/*See footnotes at end of Table 2*

Jadual 2: Indeks harga seunit bagi batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis, lengkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Kawasan* *Region*					
			A	B	C	D	E	F
Bahan Binaan *Building Materials*								
(12) Cat *Paints*	**2015**	**Mei**	107.1	107.5	113.0	105.5	102.4	108.3
		Jun	106.2	107.5	113.0	105.5	102.4	108.4
		Jul	105.9	107.3	112.9	105.5	103.5	108.4
		Ogos	106.1	107.4	112.5	105.5	103.5	108.4
		Sept	106.2	107.4	111.9	105.6	103.5	108.2
		Okt	106.0	107.8	111.3	105.7	103.5	108.2
		Nov	105.9	107.5	110.8	105.7	103.5	108.1
		Dis	105.9	107.4	110.5	105.7	103.5	108.2
	2016	**Jan**	105.9	107.4	110.5	106.7	104.5	108.3
		Feb	105.9	107.4	110.5	106.7	105.3	108.3
		Mac	105.9	107.4	110.5	106.7	105.3	108.3
		Apr	106.0	107.4	110.5	106.7	105.3	108.2
		Mei	106.3	107.4	111.0	106.7	105.3	108.5

Nota/*Note* **:**

*** Kawasan**/*Region*

A = Pulau Pinang, Kedah dan Perlis

B = Perak

C = Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan dan Selangor

D = Johor

E = Pahang

F = Kelantan dan Terengganu

INDEKS HARGA SEUNIT
BAHAN BINAAN BANGUNAN
(JULAI 2012=100)
SEMENANJUNG MALAYSIA

UNIT PRICE INDEX FOR
BUILDING MATERIALS
(JULY 2012=100)
PENINSULAR MALAYSIA

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang, segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli, guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur *Structural Steel*			
(1) Cerucuk Keping Jenis 'U' *U' Type Sheet Piles*	**2015**	**Mei**	102.5
		Jun	102.4
		Jul	102.3
		Ogos	102.2
		Sept	102.2
		Okt	102.1
		Nov	102.1
		Dis	101.9
	2016	**Jan**	98.3
		Feb	97.7
		Mac	94.6
		Apr	94.7
		Mei	94.8
(2) Keratan Geronggang Segi Empat Sama *Square Hollow Sections*	**2015**	**Mei**	97.4
		Jun	97.2
		Jul	96.8
		Ogos	95.5
		Sept	94.9
		Okt	93.9
		Nov	92.9
		Dis	92.6
	2016	**Jan**	91.8
		Feb	90.5
		Mac	90.3
		Apr	91.6
		Mei	93.9
(3) Keratan Geronggang Segi Empat Tepat *Rectangular Hollow Sections*	**2015**	**Mei**	100.1
		Jun	99.2
		Jul	99.0
		Ogos	97.9
		Sept	97.3
		Okt	96.1
		Nov	94.9
		Dis	94.6
	2016	**Jan**	93.6
		Feb	92.5
		Mac	92.5
		Apr	93.8
		Mei	94.7

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang, segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli, guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur *Structural Steel*			
(4) Rasuk Semesta *Universal Beams*	**2015**	**Mei**	103.2
		Jun	101.8
		Jul	101.7
		Ogos	100.4
		Sept	99.2
		Okt	98.1
		Nov	97.5
		Dis	97.4
	2016	**Jan**	94.8
		Feb	94.1
		Mac	91.5
		Apr	91.8
		Mei	92.1
(5) Gelegar Keluli Guling *Rolled Steel Joists*	**2015**	**Mei**	112.4
		Jun	112.4
		Jul	112.4
		Ogos	112.4
		Sept	112.4
		Okt	112.4
		Nov	112.4
		Dis	112.4
	2016	**Jan**	110.3
		Feb	110.3
		Mac	110.3
		Apr	110.3
		Mei	110.3
(6) Sesiku Sama *Equal Angles*	**2015**	**Mei**	92.1
		Jun	91.9
		Jul	91.7
		Ogos	89.3
		Sept	89.5
		Okt	87.0
		Nov	84.4
		Dis	83.5
	2016	**Jan**	82.5
		Feb	81.8
		Mac	81.8
		Apr	84.0
		Mei	86.5

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang, segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli, guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels

(Julai 2012=100)

(July 2012=100)

Item	Tempoh *Period*		Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur *Structural Steel*			
(7) Sesiku Tak Sama *Unequal Angles*	**2015**	**Mei**	96.9
		Jun	96.1
		Jul	95.7
		Ogos	94.3
		Sept	92.7
		Okt	91.7
		Nov	91.7
		Dis	91.3
	2016	**Jan**	89.6
		Feb	89.1
		Mac	89.1
		Apr	89.6
		Mei	90.0
(8) Sesalur U *U Channels*	**2015**	**Mei**	97.2
		Jun	95.8
		Jul	95.0
		Ogos	94.0
		Sept	94.0
		Okt	92.8
		Nov	92.1
		Dis	91.9
	2016	**Jan**	90.3
		Feb	89.9
		Mac	88.5
		Apr	89.3
		Mei	90.7
(9) Sesalur Bibir *Lipped Channels*	**2015**	**Mei**	100.7
		Jun	100.4
		Jul	100.0
		Ogos	97.6
		Sept	97.6
		Okt	97.2
		Nov	97.2
		Dis	96.9
	2016	**Jan**	95.1
		Feb	94.8
		Mac	93.3
		Apr	93.6
		Mei	95.2

LAMPIRAN
APPENDIX

Lampiran A
Appendix A

Jadual faktor pelarasan (Indeks tanpa bar keluli)
Adjustment factor table (Index without steel bars)

Kategori *Category*	Faktor pelarasan mengikut kawasan *Adjustment factor by region*					
	A	**B**	**C**	**D**	**E**	**F**
1. Bangunan (K.T.) Satu Tingkat *Single Storey (R.C.) Building*	1.5045	1.4621	1.4916	1.4593	1.5190	1.4933
2. Bangunan (K.T.) 2−4 Tingkat (Berbumbung Rata) *2−4 Storey (R.C.) Building (Flat Roof)*	1.4673	1.4088	1.4347	1.4106	1.4624	1.4571
3. Bangunan (K.T.) 2−4 Tingkat (Berbumbung Curam) *2−4 Storey (R.C.) Building (Pitched Roof)*	1.4579	1.3780	1.4032	1.3754	1.4253	1.4161
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) *5 Storey and Above (R.C.) Building (For Accommodation)*	1.3978	1.3554	1.3731	1.3474	1.3924	1.3923
5. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) *5 Storey and Above (R.C.) Building (for Office)*	1.4013	1.3081	1.3436	1.3131	1.3977	1.3631
6. Bangunan Kayu *Timber Building*	1.8667	1.8667	1.8839	1.8667	1.9244	1.8741
7. Cerucuk Kayu *Timber Piling*	2.1136	2.1136	2.1136	2.1136	2.1136	2.1136
8. Cerucuk (K.T.) *(R.C.) Piling*	1.3122	1.2301	1.2160	1.1990	1.1582	1.2400

Nota/*Note* **: K.T. = Konkrit Bertetulang**/*R.C. = Reinforced Concrete*

Lampiran B
Appendix B

Jadual faktor pelarasan (Indeks termasuk bar keluli)
Adjustment factor table (Index with steel bars)

Kategori *Category*	**Faktor pelarasan mengikut kawasan** *Adjustment factor by region*					
	A	**B**	**C**	**D**	**E**	**F**
1. Bangunan (K.T.) Satu Tingkat *Single Storey (R.C.) Building*	1.4113	1.3937	1.4226	1.3966	1.4582	1.4291
2. Bangunan (K.T.) 2−4 Tingkat (Berbumbung Rata) *2−4 Storey (R.C) Building (flat roof)*	1.2954	1.2637	1.2910	1.2742	1.3330	1.3131
3. Bangunan (K.T.) 2−4 Tingkat (Berbumbung Curam) *2−4 Storey (R.C.) Building (Pitched Roof)*	1.3007	1.2731	1.2992	1.2792	1.3359	1.3161
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) *5 Storey and Above (R.C.) Building (For Accommodation)*	1.2245	1.2039	1.2254	1.2092	1.2604	1.2470
5. Bangunan (K.T) 5 tingkat dan lebih (untuk pejabat) *5 Storey and above (R.C) Building (for office)*	1.2187	1.1782	1.2141	1.1921	1.2768	1.2359
6. Bangunan Kayu *Timber Building*	1.8667	1.8667	1.8839	1.8667	1.9244	1.8741
7. Cerucuk Kayu *Timber Piling*	2.1136	2.1136	2.1136	2.1136	2.1136	2.1136
8. Cerucuk (K.T) *(R.C.) Piling*	0.9738	0.9518	0.9469	0.9532	0.9749	0.9755

Nota/*Note* **: K.T. = Konkrit Bertetulang**/*R.C. = Reinforced Concrete*

Contoh pengiraan indeks lama IKB (Julai 2008=100) dengan menggunakan indeks baru IKB (Julai 2012=100)

(i) Contoh mengira indeks lama (tanpa bar keluli) bagi bulan Januari 2013 untuk kategori Bangunan (K.T) Satu Tingkat bagi kawasan A adalah seperti berikut:

^{j}I lama Januari 2013 = FP (seperti di Lampiran A) x ^{j}I baru Januari 2013
iaitu, indeks lama Januari 2013
= 1.5045 x 85.5
= 128.6347
= 128.6

(ii) Contoh mengira indeks lama (termasuk bar keluli) bagi bulan Januari 2013 untuk kategori Bangunan Kayu bagi kawasan F adalah seperti berikut:

^{j}I lama Januari 2013 = FP (seperti di Lampiran B) x ^{j}I baru Januari 2013
iaitu, indeks lama Januari 2013
= 1.8741 x 78.1
= 146.3672
= 146.4

di mana,
FP = Faktor Pelarasan
^{j}I = Indeks bagi kategori bangunan j
j = 1, …… 8

Example for calculating the old BCI (July 2008=100) using the new index BCI (July 2012=100)

(i) Example for calculating the old index (without steel bars) for the month of January 2013 for Single Storey (R.C) Building in region A is as follows:

Old ^{j}I for January 2013 = AF (as in Appendix A) x new ^{j}I for January 2013
i.e. old index for January 2013
= 1.5045 x 85.5
= 128.6347
= 128.6

(ii) Example for calculating the old index (with steel bars) for the month of January 2013 for Timber Building in region F is as follows:

Old ^{j}I for January 2013 = AF (as in Appendix B) x new ^{j}I for January 2013
i.e. old index for January 2013
= 1.8741 x 78.1
= 146.3672
= 146.4

where,
AF = Adjustment Factor
^{j}I = Index for building category j
j = 1,…..… 8

NOTA TEKNIKAL

TECHNICAL NOTES

Nota teknikal Indeks Kos Bahan Binaan Bangunan Semenanjung Malaysia (Julai 2012=100)

Indeks Kos Bahan Binaan Bangunan (IKB) adalah suatu indeks yang dibentuk untuk mengukur kadar perubahan purata harga 15 bahan binaan terpilih yang digunakan dalam 8 kategori bangunan untuk 6 kawasan di Semenanjung Malaysia. IKB dibentuk berasaskan formula *Laspeyres*.

IKB digunakan dalam Pelaksanaan Syarat Perubahan Harga dalam kontrak-kontrak kerja bangunan kerajaan sahaja. Spesifikasi dan pemberat untuk 15 bahan binaan terpilih mengikut 8 kategori bangunan disediakan oleh Jabatan Kerja Raya (JKR).

Anggaran 3200 sebutharga dipungut setiap bulan daripada lebih kurang 545 outlet untuk 164 jenis spesifikasi bahan binaan terpilih.

Bermula penerbitan Januari 2013, indeks ini berasaskan kepada tahun asas yang ditukar daripada (Julai 2008=100) kepada (Julai 2012=100) serta pemilihan spesifikasi bahan binaan dan pemberat yang dikemaskini oleh JKR.

Bagi kontrak-kontrak yang telah ditandatangani sebelum Januari 2013, sila lihat 'Jadual faktor pelarasan' (Lampiran A dan B) dan 'Contoh mengira Indeks Lama Kos Bahan Binaan Bangunan' (Lampiran C) untuk panduan dalam Pelaksanaan Syarat Perubahan Harga. Bagi kontrak-kontrak mulai Januari 2013 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.

Technical notes on Building Materials Cost Index for Peninsular Malaysia (July 2012=100)

The Building Materials Cost Index (BCI) is an index designed to measure the average rate of change in prices for 15 selected building materials utilized in 8 building categories for 6 regions in Peninsular Malaysia. The BCI is based on the Laspeyres formula.

The BCI is used in Special Provisions to the Conditions of Contract (Variation of Price) in government building contracts only. The specifications and weightage for 15 selected building materials in 8 building categories are provided by Public Works Department (JKR).

Approximately 3200 price quotations are collected monthly from 545 outlets for 164 selected building material specifications.

Starting from January 2013 publication, the series is based on the revised base year which has been changed from (July 2008=100) to (July 2012=100) as well as the selection of new building material specifications and weightage updated by JKR.

For contracts signed before January 2013, please refer to the 'Adjustment factor table' (Appendix A and B) and the 'Example for calculating the Old Building Materials Cost Index' (Appendix C) for the implementation of the Variation of Price. For contracts commencing January 2013 and thereafter, the new index is to be used without any further adjustment.

Pengiraan perubahan indeks

IKB mengukur perubahan harga dari suatu tempoh rujukan yang ditetapkan, iaitu (Julai 2012=100).

Pergerakan IKB dari satu bulan ke satu bulan yang lain dinyatakan sebagai perubahan peratus dan bukan perubahan mata indeks *(index points*) kerana perubahan mata indeks dipengaruhi oleh aras indeks yang berkaitan dengan tempoh asasnya, manakala perubahan peratus tidak mempunyai pengaruh sedemikian. Contoh berikut menunjukkan cara pengiraan perubahan peratus mata indeks dan perubahan peratus.

Index change calculation

The BCI measures price changes from a designated period, i.e. (July 2012=100).

Movements of the BCI from one month to another are expressed as percentage changes rather than changes in index points because index point changes are affected by the level of the index in relation to its base period while percentage changes are not. The following example illustrates the computation of index point and percentage changes.

Perubahan Mata Indeks

Indeks Kos Bahan Binaan Bangunan	130.5
Tolak indeks sebelumnya	129.3
	1.2

Index Point Change

Building Materials Cost Index	*130.5*
Less previous index	*129.3*
	1.2

Perubahan Peratus

Perubahan mata indeks dibahagi dengan indeks sebelumnya, didarab dengan 100.

$$\frac{130.5 - 129.3}{129.3} \times 100 = 0.9\%$$

Percentage Change

Index point difference divided by the previous index, multiplied by 100.

$$\frac{130.5 - 129.3}{129.3} \times 100 = 0.9\%$$

JADUAL TARIKH PENGELUARAN SIARAN KHAS 2 (UNTUK KERJA-KERJA PEMBINAAN BANGUNAN DAN STRUKTUR), SEMENANJUNG MALAYSIA, JANUARI - DISEMBER 2016

SCHEDULE OF RELEASE DATES FOR SPECIAL RELEASE 2 (FOR BUILDING AND STRUCTURAL WORKS), PENINSULAR MALAYSIA, JANUARY - DECEMBER 2016

Bulan Rujukan *Reference Month*	**Tarikh** *Date*
Januari 2016 *January 2016*	**10 Februari 2016** *10 February 2016*
Februari 2016 *February 2016*	**10 Mac 2016** *10 March 2016*
Mac 2016 *March 2016*	**11 April 2016** *11 April 2016*
April 2016 *April 2016*	**10 Mei 2016** *10 May 2016*
Mei 2016 *May 2016*	**10 Jun 2016** *10 June 2016*
Jun 2016 *June 2016*	**11 Julai 2016** *11 July 2016*
Julai 2016 *July 2016*	**10 Ogos 2016** *10 August 2016*
Ogos 2016 *August 2016*	**09 September 2016** *09 September 2016*
September 2016 *September 2016*	**10 Oktober 2016** *10 October 2016*
Oktober 2016 *October 2016*	**10 November 2016** *10 November 2016*
November 2016 *November 2016*	**09 Disember 2016** *09 December 2016*
Disember 2016 *December 2016*	**10 Januari 2017** *10 January 2017*