



**SIARAN KHAS** **2**  
*Special Release*

**SEMENANJUNG MALAYSIA**  
*PENINSULAR MALAYSIA*

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

**JULAI** **2016**  
*JULY*

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

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**RINGKASAN PENEMUAN**  
*SUMMARY OF FINDINGS*

**Indeks Kos Bahan Binaan Bangunan  
Semenanjung Malaysia  
Julai 2016**

Indeks Kos Bahan Binaan Bangunan (IKB) (tanpa bar keluli dan termasuk bar keluli) mengikut kategori bangunan di semua kawasan menunjukkan peningkatan kecuali cerucuk (K.T.) yang menunjukkan penurunan di kawasan A, C dan F pada Julai 2016 berbanding bulan sebelumnya. (Jadual 1A & 1B)

Indeks harga seunit bahan binaan yang menunjukkan perubahan berbanding Jun 2016 adalah simen di kawasan A (-0.4 mata), C (-1.4 mata) dan F (-0.6 mata); besi di kawasan A (-2.0 mata), B (0.5 mata), C (-0.7 mata), D (-0.9 mata) dan F (-2.2 mata); batu baur di kawasan A (0.4 mata), C (-0.7 mata) dan F (-0.9 mata); pasir di kawasan A (0.1 mata) dan C (-2.2 mata); batu bata & dinding di kawasan A (-0.1 mata) dan C (-1.3 mata); kayu di semua kawasan (1.7 mata); bahan bumbung di kawasan A (0.6 mata) dan C (-0.6 mata); keratan keluli & logam di kawasan B (0.5 mata) dan C (-1.2 mata); jubin lantai & dinding di kawasan C (0.2 mata) dan E (1.0 mata); dan cat di kawasan A (0.8 mata), C (0.1 mata) dan E (0.3 mata). (Jadual 2)

Indeks harga seunit bagi keluli struktur di Selangor dan Wilayah Persekutuan Kuala Lumpur mencatatkan penurunan pada Julai 2016 berbanding bulan sebelumnya. (Jadual 3)

**Building Material Cost Index  
Peninsular Malaysia  
July 2016**

*The Building Material Cost Index (BCI) (without steel bars and with steel bars) by category of building in all regions showed increases except for (R.C.) piling which showed decreases in region A, C and F in July 2016 as compared to the previous month. (Table 1A & 1B)*

*The unit price indices of building materials that showed changes as compared to June 2016 were cement in region A (-0.4 points), C (-1.4 points) and F (-0.6 points); steel in region A (-2.0 points), B (0.5 points), C (-0.7 points), D (-0.9 points) and F (-2.2 points); aggregates in region A (0.4 points), C (-0.7 points) and F (-0.9 points); sand in region A (0.1 points) and C (-2.2 points); bricks and wall in region A (-0.1 points) and C (-1.3 points); timber in all regions (1.7 points); roofing materials in region A (0.6 points) and C (-0.6 points); steel & metal sections in region B (0.5 points) and C (-1.2 points); floor & wall tiles in region C (0.2 points) and E (1.0 points); and paints in region A (0.8 points), C (0.1 points) and E (0.3 points). (Table 2)*

*The unit price indices for structural steel in Selangor and Wilayah Persekutuan Kuala Lumpur recorded decreases in July 2016 as compared to the previous month. (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
<b>(1) Bangunan (K.T.) Satu Tingkat Single - Storey (R.C.) Building</b>	2015 Jul	102.5	102.4	103.6	102.6	105.0	103.0
		Ogos	102.5	102.5	103.6	102.6	105.1
	Sept	105.1	105.2	106.1	105.2	108.0	105.7
		Okt	105.3	105.6	106.4	105.5	108.3
	Nov	108.3	108.4	109.1	108.4	111.4	109.0
		Dis	110.0	110.4	111.0	110.3	113.4
	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
	Mac	110.8	111.1	111.6	111.0	114.1	111.5
		Apr	112.2	112.7	113.2	112.6	115.8
	Mei	112.1	112.8	113.3	112.6	116.0	113.2
		Jun	112.1	112.8	113.2	112.5	115.9
	Jul	113.1	113.7	113.9	113.4	116.9	114.0
	<b>(2) Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) 2-4 Storey (R.C.) Building (Flat Roof)</b>	2015 Jul	100.6	100.5	102.4	101.2	103.8
Ogos			100.6	100.5	102.3	101.2	103.8
Sept		102.7	102.8	104.5	103.5	106.4	103.5
		Okt	102.8	103.2	104.7	103.7	106.7
Nov		105.8	105.9	107.3	106.5	109.8	106.8
		Dis	107.8	108.1	109.4	108.7	112.0
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
Mac		108.4	108.7	109.8	109.3	112.6	109.4
		Apr	109.7	110.3	111.4	110.8	114.2
Mei		109.6	110.3	111.5	110.8	114.4	110.9
		Jun	109.5	110.3	111.3	110.6	114.4
Jul		110.3	111.2	111.7	111.5	115.2	111.6
<b>(3) Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) 2-4 Storey (R.C.) Building (Pitched Roof)</b>		2015 Jul	101.9	101.9	103.7	102.5	104.9
	Ogos		101.9	102.0	103.6	102.5	105.0
	Sept	104.0	104.4	105.9	104.8	107.5	104.8
		Okt	104.1	104.7	106.0	105.0	107.8
	Nov	107.0	107.4	108.5	107.7	110.8	107.9
		Dis	108.7	109.3	110.4	109.7	112.8
	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
	Mac	109.4	109.9	110.8	110.2	113.3	110.3
		Apr	110.6	111.4	112.3	111.7	114.9
	Mei	110.4	111.4	112.4	111.7	115.1	111.8
		Jun	110.3	111.4	112.2	111.5	115.0
	Jul	111.1	112.3	112.7	112.4	115.9	112.4

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
(4) Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) 5 Storey and Above (R.C.) Building (For Accommodation)	2015 Jul	101.8	102.1	103.9	102.7	104.6	102.6
	Ogos	101.8	102.3	103.9	102.7	104.6	102.6
	Sept	103.6	104.4	105.7	104.6	106.9	104.5
	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
	Jun	109.2	110.9	111.3	110.8	113.5	110.6
	Jul	109.9	111.7	111.6	111.5	114.2	111.2
(5) Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) 5 Storey and Above (R.C.) Building (For Office)	2015 Jul	101.7	101.4	103.6	102.5	106.4	102.5
	Ogos	101.7	101.4	103.5	102.5	106.5	102.5
	Sept	103.5	103.4	105.5	104.5	108.8	104.4
	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
	Jun	109.0	110.0	111.1	110.7	116.0	110.9
	Jul	109.7	110.8	111.4	111.4	116.8	111.4
(6) Bangunan Kayu Timber Building	2015 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
	Jun	115.2	115.4	115.5	115.4	116.5	115.4
	Jul	116.7	116.9	116.9	116.8	118.0	116.9

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 <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan* <i>Region</i>					
		A	B	C	D	E	F
<b>(7) Cerucuk Kayu</b> <i>Timber Piling</i>	<b>2015 Jul</b>	100.7	100.7	100.7	100.7	100.7	100.7
	<b>Ogos</b>	100.7	100.7	100.7	100.7	100.7	100.7
	<b>Sept</b>	105.6	105.6	105.6	105.6	105.6	105.6
	<b>Okt</b>	106.1	106.1	106.1	106.1	106.1	106.1
	<b>Nov</b>	110.9	110.9	110.9	110.9	110.9	110.9
	<b>Dis</b>	113.7	113.7	113.7	113.7	113.7	113.7
	<b>2016 Jan</b>	113.7	113.7	113.7	113.7	113.7	113.7
	<b>Feb</b>	114.8	114.8	114.8	114.8	114.8	114.8
	<b>Mac</b>	114.8	114.8	114.8	114.8	114.8	114.8
	<b>Apr</b>	117.5	117.5	117.5	117.5	117.5	117.5
	<b>Mei</b>	117.5	117.5	117.5	117.5	117.5	117.5
	<b>Jun</b>	117.5	117.5	117.5	117.5	117.5	117.5
	<b>Jul</b>	119.2	119.2	119.2	119.2	119.2	119.2
	<b>(8) Cerucuk K.T.</b> <i>R.C. Piling</i>	<b>2015 Jul</b>	103.0	105.2	107.7	106.3	106.3
<b>Ogos</b>		103.0	105.2	107.8	106.3	106.4	103.1
<b>Sept</b>		103.3	106.3	108.5	106.8	107.5	103.6
<b>Okt</b>		102.9	106.4	108.6	106.9	107.6	103.8
<b>Nov</b>		105.3	108.0	109.9	108.5	109.2	105.3
<b>Dis</b>		106.2	109.8	111.4	110.3	111.0	107.0
<b>2016 Jan</b>		106.7	109.8	111.5	110.2	111.0	106.8
<b>Feb</b>		107.1	110.0	111.9	110.4	111.2	106.8
<b>Mac</b>		106.7	110.0	111.5	110.4	111.2	106.7
<b>Apr</b>		106.7	110.9	112.3	111.3	112.1	107.5
<b>Mei</b>		105.8	110.9	112.1	111.1	112.0	106.9
<b>Jun</b>		105.3	110.9	111.6	110.6	111.8	106.7
<b>Jul</b>		105.6	111.2	111.0	111.0	112.2	106.6

**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 <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan* <i>Region</i>					
		A	B	C	D	E	F
<b>(1) Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.) Building</i></b>	<b>2015 Jul</b>	101.9	101.5	103.3	102.2	105.2	102.7
	<b>Ogos</b>	101.8	101.5	103.3	102.2	105.3	102.6
	<b>Sept</b>	104.2	103.8	105.7	104.7	108.0	105.2
	<b>Okt</b>	104.3	104.1	105.8	104.9	108.3	105.6
	<b>Nov</b>	107.1	106.7	108.4	107.6	111.3	108.2
	<b>Dis</b>	108.7	108.4	110.2	109.4	113.2	110.0
	<b>2016 Jan</b>	108.9	108.4	110.1	109.5	113.2	110.0
	<b>Feb</b>	109.6	109.0	110.7	110.0	113.8	110.5
	<b>Mac</b>	109.5	109.1	110.6	110.0	113.8	110.5
	<b>Apr</b>	111.0	110.6	112.3	111.5	115.5	112.2
	<b>Mei</b>	111.2	110.7	112.3	111.6	115.6	112.4
	<b>Jun</b>	111.3	110.7	112.3	111.5	115.4	112.4
	<b>Jul</b>	112.1	111.6	112.9	112.3	116.3	113.2
<b>(2) Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i></b>	<b>2015 Jul</b>	99.6	98.9	102.0	100.7	104.3	101.0
	<b>Ogos</b>	99.4	98.8	101.9	100.7	104.3	100.9
	<b>Sept</b>	101.3	100.5	103.7	102.7	106.6	102.7
	<b>Okt</b>	101.3	100.6	103.8	102.8	106.9	103.1
	<b>Nov</b>	103.8	102.7	106.0	105.2	109.7	105.5
	<b>Dis</b>	105.5	104.5	107.9	107.1	111.7	107.4
	<b>2016 Jan</b>	105.7	104.5	107.9	107.1	111.8	107.2
	<b>Feb</b>	106.3	104.9	108.3	107.6	112.2	107.5
	<b>Mac</b>	106.2	105.0	108.0	107.5	112.2	107.5
	<b>Apr</b>	107.7	106.5	109.8	108.9	113.7	109.3
	<b>Mei</b>	108.1	106.5	109.8	109.0	113.9	109.6
	<b>Jun</b>	108.2	106.5	109.8	108.9	113.5	109.7
	<b>Jul</b>	108.7	107.3	110.1	109.5	114.3	110.1
<b>(3) Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i></b>	<b>2015 Jul</b>	100.9	100.4	103.2	102.0	105.2	102.1
	<b>Ogos</b>	100.8	100.4	103.1	102.0	105.3	102.0
	<b>Sept</b>	102.7	102.2	105.1	104.0	107.6	104.1
	<b>Okt</b>	102.7	102.4	105.1	104.1	107.9	104.4
	<b>Nov</b>	105.3	104.6	107.3	106.5	110.6	106.8
	<b>Dis</b>	106.7	106.2	109.1	108.2	112.4	108.5
	<b>2016 Jan</b>	106.9	106.1	109.0	108.3	112.5	108.3
	<b>Feb</b>	107.5	106.6	109.5	108.7	113.0	108.7
	<b>Mac</b>	107.4	106.7	109.2	108.7	113.0	108.6
	<b>Apr</b>	108.8	108.1	110.9	110.0	114.4	110.4
	<b>Mei</b>	109.1	108.1	110.9	110.1	114.5	110.6
	<b>Jun</b>	109.2	108.1	110.9	110.0	114.2	110.6
	<b>Jul</b>	109.8	108.9	111.2	110.6	115.0	111.1

**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 <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan* <i>Region</i>						
		A	B	C	D	E	F	
<b>(4) Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) 5 Storey and Above (R.C.) Building (For Accommodation)</b>	2015 Jul	100.5	100.0	103.2	101.9	105.1	102.1	
		Ogos	100.3	100.0	103.2	101.9	105.2	102.0
	Sept	101.8	101.4	104.7	103.6	107.1	103.5	
		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
		Jun	107.7	106.3	109.6	108.6	112.6	109.3
		Jul	108.1	107.0	109.8	109.2	113.2	109.6
	<b>(5) Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) 5 Storey and Above (R.C.) Building (For Office)</b>	2015 Jul	100.4	99.4	103.0	101.8	106.7	102.0
Ogos			100.2	99.3	102.9	101.8	106.8	101.9
Sept		101.7	100.6	104.4	103.4	108.8	103.4	
		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
		Jun	107.6	105.6	109.4	108.6	114.8	109.5
		Jul	108.0	106.3	109.6	109.1	115.5	109.8
<b>(6) Bangunan Kayu Timber Building</b>		2015 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
		Jun	115.2	115.4	115.5	115.4	116.5	115.4
Jul		116.7	116.9	116.9	116.8	118.0	116.9	

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 <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan* <i>Region</i>						
		A	B	C	D	E	F	
(7) Cerucuk Kayu <i>Timber Piling</i>	2015 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	
		Mac	114.8	114.8	114.8	114.8	114.8	
		Apr	117.5	117.5	117.5	117.5	117.5	
		Mei	117.5	117.5	117.5	117.5	117.5	
		Jun	117.5	117.5	117.5	117.5	117.5	
		Jul	119.2	119.2	119.2	119.2	119.2	
	(8) Cerucuk K.T. <i>R.C. Piling</i>	2015 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
		Jun	102.7	98.8	106.9	105.1	109.9	104.4
		Jul	102.2	99.2	106.3	105.1	110.2	103.7

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,engkapan 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
<b>Bahan Binaan</b>							
<i>Building Materials</i>							
<b>(1) Batu Bata &amp; Dinding</b> <i>Bricks &amp; Wall</i>	2015 Jul	105.6	109.1	108.7	105.5	102.3	110.3
		Ogos	105.6	109.8	108.9	105.5	102.3
	2015 Sept	105.2	109.8	107.7	105.5	102.3	110.3
		Okt	105.2	109.8	107.6	105.4	102.1
	2015 Nov	105.8	109.7	107.4	105.4	101.6	111.8
		Dis	105.6	109.7	107.3	105.2	101.4
	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
	2016 Mac	105.8	109.6	107.2	106.2	101.4	111.9
		Apr	106.0	109.6	107.2	106.2	101.4
	2016 Mei	106.0	109.6	106.9	106.2	101.4	111.9
		Jun	106.2	109.6	106.8	106.2	100.1
	2016 Jul	106.1	109.6	105.5	106.2	100.1	111.9
<b>(2) Kaca</b> <i>Glass</i>	2015 Jul	111.9	108.4	112.1	110.8	109.8	111.9
		Ogos	111.9	108.4	112.1	110.8	109.8
	2015 Sept	111.9	108.4	112.1	110.8	109.8	111.9
		Okt	111.9	108.4	112.6	110.8	109.8
	2015 Nov	111.9	108.4	112.6	110.8	109.8	111.9
		Dis	111.9	108.4	112.9	110.8	109.8
	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
	2016 Mac	111.9	108.4	114.7	110.8	109.8	111.9
		Apr	111.9	108.4	114.7	110.8	109.8
	2016 Mei	111.9	108.4	115.7	110.8	109.8	111.9
		Jun	111.9	108.4	115.7	110.8	109.8
	2016 Jul	111.9	108.4	115.7	110.8	109.8	111.9
<b>(3) Batu Baur</b> <i>Aggregates</i>	2015 Jul	109.8	109.3	126.4	112.1	109.3	103.4
		Ogos	109.4	109.3	126.8	112.1	109.3
	2015 Sept	109.0	109.3	126.0	112.1	109.3	103.4
		Okt	109.0	109.3	126.2	112.1	109.3
	2015 Nov	109.5	109.3	125.7	112.1	109.3	103.4
		Dis	109.2	109.3	124.7	112.1	109.3
	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
	2016 Mac	109.2	109.3	125.3	112.1	109.3	101.3
		Apr	109.2	109.3	126.7	112.1	109.3
	2016 Mei	109.2	109.3	126.7	112.1	109.3	101.3
		Jun	109.5	109.3	126.7	112.1	109.3
	2016 Jul	109.9	109.3	126.0	112.1	109.3	100.4

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,engkapan 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	
<b>Bahan Binaan</b>								
<i>Building Materials</i>								
<b>(4) Bahan Siling</b> <i>Ceiling Materials</i>	2015 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
		Jun	103.2	107.5	108.8	110.3	148.7	103.5
		Jul	103.2	107.5	108.8	110.3	148.7	103.5
	<b>(5) Bahan Bumbung</b> <i>Roofing Materials</i>	2015 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
		Jun	108.0	105.9	108.8	107.3	107.6	108.7
		Jul	108.6	105.9	108.2	107.3	107.6	108.7
<b>(6a) Kayu</b> <i>Timber</i>		2015 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
Jun		117.5	117.5	117.5	117.5	117.5	117.5	
Jul		119.2	119.2	119.2	119.2	119.2	119.2	

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,engkapan 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
<b>Bahan Binaan</b> <i>Building Materials</i>							
<b>(6b) Papan Lapis</b> <i>Plywood</i>							
	2015 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
	Jun	85.6	85.6	85.6	85.6	85.6	85.6
	Jul	85.6	85.6	85.6	85.6	85.6	85.6
<b>(7) Lengkapan Kebersihan</b> <i>Sanitary Fittings</i>							
	2015 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
	Jun	108.6	123.3	114.8	106.8	108.3	111.4
	Jul	108.6	123.3	114.8	106.8	108.3	111.4
<b>(8) Jubin Lantai &amp; Dinding</b> <i>Floor &amp; Wall Tiles</i>							
	2015 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
	Jun	117.2	114.3	114.3	105.7	135.6	118.6
	Jul	117.2	114.3	114.5	105.7	136.6	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,engkapan 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	
<b>Bahan Binaan</b> <i>Building Materials</i>								
<b>(9) Bahan Kerja Paip</b> <i>Plumbing Materials</i>	2015 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
		Jun	108.0	113.2	104.6	107.0	110.3	107.9
		Jul	108.0	113.2	104.6	107.0	110.3	107.9
	<b>(10) Keratan Keluli &amp; Logam</b> <i>Steel &amp; Metal Sections</i>	2015 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 <sup>r</sup>	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
		Jun	101.0	85.5	96.2	99.7	127.1	110.1
		Jul	101.0	86.0	95.0	99.7	127.1	110.1
<b>(11) Pasir</b> <i>Sand</i>		2015 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
		Jun	123.3	119.9	111.7	120.9	116.6	111.3
		Jul	123.4	119.9	109.5	120.9	116.6	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,engkapan 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
<b>Bahan Binaan</b> <i>Building Materials</i>							
<b>(12) Cat</b> <i>Paints</i>	<b>2015 Jul</b>	105.9	107.3	112.9	105.5	103.5	108.4
	<b>Ogos</b>	106.1	107.4	112.5	105.5	103.5	108.4
	<b>Sept</b>	106.2	107.4	111.9	105.6	103.5	108.2
	<b>Okt</b>	106.0	107.8	111.3	105.7	103.5	108.2
	<b>Nov</b>	105.9	107.5	110.8	105.7	103.5	108.1
	<b>Dis</b>	105.9	107.4	110.5	105.7	103.5	108.2
	<b>2016 Jan</b>	105.9	107.4	110.5	106.7	104.5	108.3
	<b>Feb</b>	105.9	107.4	110.5	106.7	105.3	108.3
	<b>Mac</b>	105.9	107.4	110.5	106.7	105.3	108.3
	<b>Apr</b>	106.0	107.4	110.5	106.7	105.3	108.2
	<b>Mei</b>	106.3	107.4	111.0	106.7	105.3	108.5
	<b>Jun</b>	106.6	107.4	111.3	106.7	105.3	108.5
	<b>Jul</b>	107.4	107.4	111.4	106.7	105.6	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
<b>Keluli Struktur</b>		
<i>Structural Steel</i>		
<b>(1) Cerucuk Keping</b> Jenis 'U' <i>U' Type Sheet Piles</i>	2015 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
	Jun	94.7
	Jul	94.6
	<b>(2) Keratan Geronggang</b> Segi Empat Sama <i>Square Hollow Sections</i>	2015 Jul
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
Jun		94.1
Jul		93.4
<b>(3) Keratan Geronggang</b> Segi Empat Tepat <i>Rectangular Hollow Sections</i>		2015 Jul
	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
	Jun	93.7
	Jul	92.6

**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
<b>Keluli Struktur</b>		
<i>Structural Steel</i>		
<b>(4) Rasuk Semesta</b> <i>Universal Beams</i>	2015 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
	Jun	91.6
	Jul	89.8
	<b>(5) Gelegar Keluli</b> <b>Guling</b> <i>Rolled Steel Joists</i>	2015 Jul
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
Jun		110.3
Jul		106.0
<b>(6) Sesiku Sama</b> <i>Equal Angles</i>		2015 Jul
	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
	Jun	85.9
	Jul	84.7

**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
<b>Keluli Struktur</b>		
<i>Structural Steel</i>		
<b>(7) Sesiku Tak Sama</b> <i>Unequal Angles</i>	2015 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
	Jun	89.3
	Jul	87.6
	<b>(8) Sesalur U</b> <i>U Channels</i>	2015 Jul
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
Jun		90.0
Jul		88.5
<b>(9) Sesalur Bibir</b> <i>Lipped Channels</i>		2015 Jul
	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
	Jun	94.9
	Jul	93.7

**LAMPIRAN**  
*APPENDIX*

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

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

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

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

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

$$\begin{aligned} {}^j I \text{ lama Januari 2013} &= FP \text{ (seperti di Lampiran A)} \times {}^j I \text{ baru Januari 2013} \\ \text{iaitu, indeks lama Januari 2013} & \\ &= 1.5045 \times 85.5 \\ &= 128.6347 \\ &= 128.6 \end{aligned}$$

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

$$\begin{aligned} {}^j I \text{ lama Januari 2013} &= FP \text{ (seperti di Lampiran B)} \times {}^j I \text{ baru Januari 2013} \\ \text{iaitu, indeks lama Januari 2013} & \\ &= 1.8741 \times 78.1 \\ &= 146.3672 \\ &= 146.4 \end{aligned}$$

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:

$$\begin{aligned} \text{Old } {}^j I \text{ for January 2013} &= AF \text{ (as in Appendix A)} \times \text{new } {}^j I \text{ for January 2013} \\ \text{i.e. old index for January 2013} & \\ &= 1.5045 \times 85.5 \\ &= 128.6347 \\ &= 128.6 \end{aligned}$$

(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:

$$\begin{aligned} \text{Old } {}^j I \text{ for January 2013} &= AF \text{ (as in Appendix B)} \times \text{new } {}^j I \text{ for January 2013} \\ \text{i.e. old index for January 2013} & \\ &= 1.8741 \times 78.1 \\ &= 146.3672 \\ &= 146.4 \end{aligned}$$

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.

### Perubahan Mata Indeks

Indeks Kos Bahan Binaan Bangunan	130.5
Tolak indeks sebelumnya	<u>129.3</u>
	<u>1.2</u>

### Perubahan Peratus

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

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

## 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.*

### Index Point Change

<i>Building Materials Cost Index</i>	<i>130.5</i>
<i>Less previous index</i>	<i><u>129.3</u></i>
	<i><u>1.2</u></i>

### 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*

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

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