SIARAN KHAS 2
Special Release

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

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

JUN 2017
JUNE

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA

Tarikh: **10 Julai 2017**
Date: *10 July 2017*

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SUMMARY OF FINDINGS

Indeks Kos Bahan Binaan Bangunan Semenanjung Malaysia Jun 2017

Indeks Kos Bahan Binaan Bangunan (IKB) (tanpa bar keluli) bagi semua kategori bangunan di semua kawasan menunjukkan penurunan pada Jun 2017 kecuali bangunan (K.T.) 2-4 tingkat (berbumbung rata) di kawasan F, bangunan (K.T.) 5 tingkat dan lebih (untuk pejabat) di kawasan D dan cerucuk (K.T.) di kawasan D, E dan F yang tidak menunjukkan perubahan berbanding bulan sebelumnya. (Jadual 1A)

IKB (termasuk bar keluli) bagi semua kategori bangunan di semua kawasan juga menunjukkan penurunan kecuali bagi bangunan (K.T.) 5 tingkat dan lebih (untuk penginapan) di kawasan E dan cerucuk (K.T.) di kawasan D dan E yang kekal tidak berubah pada Jun 2017 berbanding bulan sebelumnya. (Jadual 1B)

Indeks harga seunit bahan binaan yang menunjukkan perubahan pada Jun 2017 adalah simen di kawasan A (-1.4 mata), B (-2.0 mata) dan F (0.1 mata); besi di kawasan A (-1.8 mata), B (0.7 mata), C (-0.8 mata) dan F (-0.6 mata); batu baur di kawasan C (-0.5 mata) dan F (0.2 mata); batu bata & dinding di kawasan C (-1.4 mata); kayu di semua kawasan (-0.2 mata); bahan bumbung di kawasan C (-0.5 mata); keratan keluli & logam di kawasan B (-1.3 mata) dan C (-0.5 mata); cat di kawasan A (0.1 mata) dan F (0.2 mata). (Jadual 2)

Indeks harga seunit bagi keluli struktur di Selangor dan Wilayah Persekutuan Kuala Lumpur mencatatkan penurunan bagi semua bahan kecuali gelegar keluli guling yang tidak berubah berbanding Mei 2017. (Jadual 3)

Building Material Cost Index Peninsular Malaysia June 2017

The Building Material Cost Index (BCI) (without steel bars) for all categories of building in all regions decreased in June 2017 except for 2-4 storey (R.C.) building (flat roof) in region F, 5 storey and above (R.C.) building (for office) in region D and (R.C.) piling in region D, E and F which remained unchange as compared to the previous month. (Table 1A)

The BCI (with steel bars) for all categories of building in all regions also decreased except for 5 storey and above (R.C.) building (for accommodation) in region E and (R.C.) piling in region D and E which remained unchanged in June 2017 as compared to the previous month. (Table 1B)

The unit price indices of building materials that showed changes in June 2017 were cement in region A (-1.4 points), B (-2.0 points) and F (0.1 points); steel in region A (-1.8 points), B (0.7 points), C (-0.8 points) and F (-0.6 points); aggregates in region C (-0.5 points) and F (0.2 points); bricks & walls in region C (-1.4 points); timber in all region (-0.2 points); roofing materials in region C (-0.5 points); steel & metal sections in region B (-1.3 points) and C (-0.5 points); paints in region A (0.1 points) and F (0.2 points). (Table 2)

The unit price indices for structural steel in Selangor and Wilayah Persekutuan Kuala Lumpur recorded decreases for all materials except for rolled steel joists which remained unchange as compared to May 2017. (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.)	**2016 Dis**	114.9	115.6	115.5	115.1	119.0	115.6
Satu Tingkat	**2017 Jan**	115.0	115.7	115.5	115.1	119.0	115.6
Single - Storey (R.C.)	**Feb**	115.4	116.0	115.5	115.1	119.0	115.7
Building	**Mac**	115.5	116.1	115.6	115.1	119.1	115.9
	Apr	115.6	116.2	115.6	115.1	119.1	115.9
	Mei	116.0	116.6	115.9	115.5	119.4	116.2
	Jun	115.8	116.3	115.8	115.4	119.3	116.1
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(2) Bangunan (K.T.)	**2016 Dis**	111.9	112.8	113.1	112.9	117.1	112.8
2–4 Tingkat	**2017 Jan**	112.1	112.9	113.2	112.9	117.1	112.8
(Berbumbung Rata)	**Feb**	112.6	113.3	113.3	112.9	117.1	112.9
2−4 Storey (R.C.)	**Mac**	112.7	113.4	113.3	112.9	117.2	113.2
Building (Flat Roof)	**Apr**	112.7	113.6	113.4	112.9	117.2	113.2
	Mei	113.1	114.0	113.7	113.2	117.5	113.5
	Jun	112.8	113.5	113.5	113.1	117.4	113.5
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(3) Bangunan (K.T.)	**2016 Dis**	112.8	113.9	114.1	113.8	117.7	113.7
2−4 Tingkat	**2017 Jan**	113.1	114.0	114.1	113.8	117.7	113.7
(Berbumbung Curam)	**Feb**	113.5	114.3	114.2	113.9	117.8	113.8
2−4 Storey (R.C.)	**Mac**	113.6	114.4	114.3	113.9	117.8	114.0
Building (Pitched Roof)	**Apr**	113.7	114.6	114.3	113.9	117.8	114.1
	Mei	114.0	115.0	114.6	114.2	118.1	114.4
	Jun	113.7	114.5	114.4	114.1	118.0	114.3
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

Nota/*Note* **:**

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

*** 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.)	**2016 Dis**	111.4	113.0	112.9	112.7	115.9	112.3
5 Tingkat dan Lebih	**2017 Jan**	111.7	113.1	112.9	112.7	115.9	112.3
(Untuk Penginapan)	**Feb**	112.3	113.4	112.9	112.8	115.9	112.4
5 Storey and Above	**Mac**	112.4	113.5	113.0	112.8	115.9	112.7
(R.C.) Building	**Apr**	112.5	113.7	113.1	112.8	115.9	112.7
(For Accommodation)	**Mei**	112.8	114.0	113.3	113.0	116.2	113.0
	Jun	112.6	113.6	113.1	112.9	116.1	112.9
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(5) Bangunan (K.T.)	**2016 Dis**	111.3	112.3	112.7	112.7	118.8	112.4
5 Tingkat dan Lebih	**2017 Jan**	111.6	112.4	112.8	112.7	118.8	112.4
(Untuk Pejabat)	**Feb**	112.1	112.9	112.9	112.7	118.8	112.6
5 Storey and Above	**Mac**	112.2	113.1	113.0	112.7	118.8	113.0
(R.C.) Building	**Apr**	112.3	113.3	113.0	112.7	118.8	113.0
(For Office)	**Mei**	112.6	113.7	113.3	112.9	119.1	113.3
	Jun	112.3	113.2	113.1	112.9	119.0	113.2
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(6) Bangunan Kayu	**2016 Dis**	119.3	119.5	119.4	119.4	120.7	119.4
Timber Building	**2017 Jan**	119.3	119.5	119.4	119.4	120.7	119.4
	Feb	119.4	119.6	119.4	119.4	120.7	119.4
	Mac	119.4	119.6	119.5	119.4	120.8	119.5
	Apr	119.4	119.7	119.5	119.4	120.8	119.5
	Mei	119.9	120.2	120.0	119.9	121.2	120.0
	Jun	119.8	120.0	119.8	119.7	121.1	119.9
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

Nota/*Note* **:**

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

*** 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	**2016 Dis**	122.2	122.2	122.2	122.2	122.2	122.2
Timber Piling	**2017 Jan**	122.2	122.2	122.2	122.2	122.2	122.2
	Feb	122.2	122.2	122.2	122.2	122.2	122.2
	Mac	122.2	122.2	122.2	122.2	122.2	122.2
	Apr	122.2	122.2	122.2	122.2	122.2	122.2
	Mei	122.8	122.8	122.8	122.8	122.8	122.8
	Jun	122.6	122.6	122.6	122.6	122.6	122.6
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(8) Cerucuk K.T.	**2016 Dis**	106.2	111.3	111.8	111.6	112.8	106.8
R.C. Piling	**2017 Jan**	106.6	111.3	111.8	111.6	112.8	106.8
	Feb	107.0	111.3	111.8	111.6	112.8	106.8
	Mac	107.1	111.3	111.8	111.6	112.8	107.1
	Apr	107.1	111.3	111.8	111.6	112.8	107.1
	Mei	107.1	111.4	111.9	111.7	112.9	107.3
	Jun	106.5	110.5	111.8	111.7	112.9	107.3
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

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.) Satu Tingkat *Single - Storey (R.C.) Building*	**2016**	**Dis**	113.9	113.8	114.5	113.9	118.3	114.5
	2017	**Jan**	114.3	114.2	114.5	113.9	118.3	114.6
		Feb	114.7	114.7	114.7	113.9	118.3	114.8
		Mac	114.8	114.9	114.8	113.9	118.4	115.0
		Apr	114.8	115.0	114.8	113.9	118.4	115.0
		Mei	115.1	115.5	115.1	114.2	118.7	115.3
		Jun	114.9	115.2	114.8	114.1	118.6	115.2
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(2) Bangunan (K.T.) 2−4 Tingkat (Berbumbung Rata) *2−4 Storey (R.C.) Building (Flat Roof)*	**2016**	**Dis**	110.3	109.7	111.5	110.8	116.0	111.0
	2017	**Jan**	110.9	110.2	111.6	110.8	116.0	111.2
		Feb	111.4	111.0	111.8	110.8	116.0	111.5
		Mac	111.5	111.3	111.9	110.8	116.0	111.7
		Apr	111.6	111.5	112.0	110.8	116.0	111.9
		Mei	111.8	112.0	112.2	111.1	116.3	112.1
		Jun	111.4	111.7	112.0	111.0	116.2	112.0
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(3) Bangunan (K.T.) 2−4 Tingkat (Berbumbung Curam) *2−4 Storey (R.C.) Building (Pitched Roof)*	**2016**	**Dis**	111.4	111.2	112.6	112.0	116.7	112.1
	2017	**Jan**	111.9	111.7	112.7	112.0	116.7	112.3
		Feb	112.4	112.3	112.9	112.0	116.7	112.5
		Mac	112.5	112.6	113.0	112.0	116.8	112.7
		Apr	112.6	112.7	113.0	112.0	116.8	112.9
		Mei	112.8	113.2	113.3	112.3	117.1	113.1
		Jun	112.4	112.9	113.0	112.2	117.0	113.0
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						

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
(4) Bangunan (K.T.)	**2016 Dis**	109.6	109.3	110.9	110.2	114.7	110.3
5 Tingkat dan Lebih	**2017 Jan**	110.3	109.9	111.0	110.2	114.7	110.5
(Untuk Penginapan)	**Feb**	110.9	110.7	111.3	110.3	114.7	110.7
5 Storey and Above	**Mac**	111.1	111.0	111.4	110.3	114.7	111.0
(R.C.) Building	**Apr**	111.2	111.2	111.4	110.3	114.7	111.2
(For Accommodation)	**Mei**	111.3	111.7	111.6	110.5	114.9	111.4
	Jun	110.9	111.4	111.3	110.4	114.9	111.3
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(5) Bangunan (K.T.)	**2016 Dis**	109.5	108.7	110.8	110.2	117.2	110.5
5 Tingkat dan Lebih	**2017 Jan**	110.2	109.4	110.9	110.2	117.2	110.7
(Untuk Pejabat)	**Feb**	110.8	110.3	111.2	110.3	117.3	110.0
5 Storey and Above	**Mac**	111.0	110.7	111.4	110.3	117.3	111.3
(R.C.) Building	**Apr**	111.1	110.9	111.4	110.3	117.3	111.5
(For Office)	**Mei**	111.2	111.4	111.6	110.5	117.6	111.7
	Jun	110.7	111.0	111.4	110.4	117.5	111.6
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(6) Bangunan Kayu	**2016 Dis**	119.3	119.5	119.4	119.4	120.7	119.4
Timber Building	**2017 Jan**	119.3	119.5	119.4	119.4	120.7	119.4
	Feb	119.4	119.6	119.4	119.4	120.7	119.4
	Mac	119.4	119.6	119.5	119.4	120.8	119.5
	Apr	119.4	119.7	119.5	119.4	120.8	119.5
	Mei	119.9	120.2	120.0	119.9	121.2	120.0
	Jun	119.8	120.0	119.8	119.7	121.1	119.9
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

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	**2016 Dis**	122.2	122.2	122.2	122.2	122.2	122.2
Timber Piling	**2017 Jan**	122.2	122.2	122.2	122.2	122.2	122.2
	Feb	122.2	122.2	122.2	122.2	122.2	122.2
	Mac	122.2	122.2	122.2	122.2	122.2	122.2
	Apr	122.2	122.2	122.2	122.2	122.2	122.2
	Mei	122.8	122.8	122.8	122.8	122.8	122.8
	Jun	122.6	122.6	122.6	122.6	122.6	122.6
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(8) Cerucuk K.T.	**2016 Dis**	103.1	102.1	106.9	105.5	110.6	103.3
R.C. Piling	**2017 Jan**	104.5	103.5	107.2	105.5	110.6	103.9
	Feb	105.1	105.0	107.8	105.5	110.6	104.2
	Mac	105.3	105.5	107.9	105.5	110.6	104.5
	Apr	105.3	105.5	107.9	105.5	110.6	104.8
	Mei	105.0	106.1	107.9	105.6	110.7	104.8
	Jun	104.0	105.7	107.6	105.6	110.7	104.6
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

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*	**2016 Dis**	105.8	109.4	103.9	105.1	99.4	111.5
	2017 Jan	106.1	109.4	103.9	105.1	99.4	111.5
	Feb	106.2	109.4	103.9	105.2	99.4	111.3
	Mac	106.2	109.4	103.9	105.2	99.4	111.3
	Apr	106.2	109.4	104.1	105.2	99.4	111.4
	Mei	106.2	109.4	104.1	105.3	99.4	111.2
	Jun	106.2	109.4	102.7	105.3	99.4	111.2
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(2) Kaca *Glass*	**2016 Dis**	111.9	112.7	115.7	110.8	109.8	111.9
	2017 Jan	111.9	113.9	115.9	110.8	109.8	112.7
	Feb	111.9	113.9	115.9	110.8	109.8	112.7
	Mac	111.9	113.9	115.9	110.8	109.8	112.7
	Apr	113.1	113.9	115.9	110.8	109.8	112.7
	Mei	114.3	113.9	115.9	110.8	109.8	112.7
	Jun	114.3	113.9	115.9	110.8	109.8	112.7
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(3) Batu Baur *Aggregates*	**2016 Dis**	109.9	109.3	125.5	111.9	108.8	99.6
	2017 Jan	110.3	109.3	125.5	111.9	108.8	99.6
	Feb	110.3	109.3	125.5	111.9	108.8	99.6
	Mac	110.7	109.3	125.5	111.9	108.8	99.6
	Apr	110.7	109.3	125.5	111.9	108.8	99.6
	Mei	110.3	109.3	125.6	111.9	108.8	99.8
	Jun	110.3	109.3	125.1	111.9	108.8	100.0
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

*** 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*	**2016**	**Dis**	103.2	107.5	108.4	110.3	155.6	103.5
	2017	**Jan**	103.4	107.5	108.6	110.3	155.6	103.5
		Feb	103.9	107.5	108.6	110.3	155.6	103.5
		Mac	103.9	107.5	108.6	110.6	155.6	103.5
		Apr	103.9	107.5	108.6	110.6	155.6	103.9
		Mei	103.9	107.7	108.6	110.2	155.6	105.0
		Jun	103.9	107.7	108.6	110.2	155.6	105.0
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(5) Bahan Bumbung *Roofing Materials*	**2016**	**Dis**	108.6	105.9	107.4	107.3	107.6	108.7
	2017	**Jan**	108.6	105.9	107.4	107.3	107.6	108.7
		Feb	108.6	105.9	107.4	107.3	107.6	108.7
		Mac	108.6	105.9	107.4	107.3	107.6	108.7
		Apr	108.6	105.9	107.4	107.3	107.6	108.7
		Mei	108.7	105.9	107.5	107.3	107.6	108.7
		Jun	108.7	105.9	107.0	107.3	107.6	108.7
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(6a) Kayu *Timber*	**2016**	**Dis**	122.2	122.2	122.2	122.2	122.2	122.2
	2017	**Jan**	122.2	122.2	122.2	122.2	122.2	122.2
		Feb	122.2	122.2	122.2	122.2	122.2	122.2
		Mac	122.2	122.2	122.2	122.2	122.2	122.2
		Apr	122.2	122.2	122.2	122.2	122.2	122.2
		Mei	122.8	122.8	122.8	122.8	122.8	122.8
		Jun	122.6	122.6	122.6	122.6	122.6	122.6
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						

*** 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*	**2016**	**Dis**	85.6	85.6	85.6	85.6	85.6	85.6
	2017	**Jan**	85.6	85.6	85.6	85.6	85.6	85.6
		Feb	85.6	85.6	85.6	85.6	85.6	85.6
		Mac	85.6	85.6	85.6	85.6	85.6	85.6
		Apr	85.6	85.6	85.6	85.6	85.6	85.6
		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						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(7) Lengkapan Kebersihan *Sanitary Fittings*	**2016**	**Dis**	108.6	123.3	114.8	106.8	112.1	111.4
	2017	**Jan**	108.6	124.4	114.7	106.8	112.1	111.4
		Feb	110.0	129.1	114.7	106.8	112.1	111.4
		Mac	110.2	131.6	114.7	106.8	112.1	111.4
		Apr	110.2	134.0	114.7	106.8	112.1	111.4
		Mei	110.3	134.0	114.7	106.8	112.1	111.4
		Jun	110.3	134.0	114.7	106.8	112.1	111.4
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						
(8) Jubin Lantai & Dinding *Floor & Wall Tiles*	**2016**	**Dis**	116.9	114.3	114.7	105.7	136.6	118.3
	2017	**Jan**	116.9	113.9	114.7	105.7	136.6	118.3
		Feb	116.9	114.0	114.7	105.7	137.3	118.3
		Mac	116.9	114.0	114.7	105.7	137.7	118.3
		Apr	116.9	114.0	114.7	105.7	137.7	118.3
		Mei	116.9	114.0	114.7	105.7	138.8	118.3
		Jun	116.9	114.0	114.7	105.7	138.8	118.3
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						

*** 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*	**2016 Dis**	110.5	112.7	104.6	107.0	110.3	108.2
	2017 Jan	111.8	113.0	104.6	107.0	110.3	108.2
	Feb	115.2	113.0	104.6	107.4	110.3	108.2
	Mac	116.0	113.0	104.6	107.4	110.3	108.2
	Apr	116.6	113.0	104.7	107.4	110.3	108.6
	Mei	117.4	113.0	104.7	107.4	110.3	108.6
	Jun	117.4	113.0	104.7	107.4	110.3	108.6
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(10) Keratan Keluli & Logam *Steel & Metal Sections*	**2016 Dis**	102.8	89.7	94.7	99.7	131.9	108.6
	2017 Jan	103.9	91.4	95.1	99.7	131.9	108.6
	Feb	107.1	95.5	96.2	99.7	131.9	110.6
	Mac	107.8	97.3	97.2	99.7	131.9	112.9
	Apr	108.7	99.3	97.5	99.7	131.9	112.9
	Mei	108.7	100.5	97.5	99.8	131.9	112.9
	Jun	108.7	99.2	97.0	99.8	131.9	112.9
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						
(11) Pasir *Sand*	**2016 Dis**	123.4	119.9	108.6	120.9	117.5	111.3
	2017 Jan	123.4	119.9	108.7	120.9	117.5	111.3
	Feb	127.4	119.9	108.7	120.9	117.5	111.3
	Mac	127.6	119.9	108.7	120.9	117.5	111.3
	Apr	127.6	119.9	108.7	120.9	117.5	111.3
	Mei	127.6	119.9	108.9	121.2	117.5	111.3
	Jun	127.6	119.9	108.9	121.2	117.5	111.3
	Jul						
	Ogos						
	Sept						
	Okt						
	Nov						
	Dis						

*** 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*	**2016**	**Dis**	107.4	108.0	111.4	106.8	105.6	108.8
	2017	**Jan**	107.2	108.0	111.4	106.8	105.6	108.8
		Feb	107.2	108.0	111.4	107.3	105.6	108.8
		Mac	107.3	108.0	111.8	107.3	106.4	109.8
		Apr	107.3	108.0	111.8	107.3	106.4	109.8
		Mei	107.8	108.2	111.8	107.4	106.4	109.8
		Jun	107.9	108.2	111.8	107.4	106.4	110.0
		Jul						
		Ogos						
		Sept						
		Okt						
		Nov						
		Dis						

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*	**2016**	**Dis**	94.5
	2017	**Jan**	94.6
		Feb	94.7
		Mac	94.8
		Apr	95.9
		Mei	96.1
		Jun	95.3
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(2) Keratan Geronggang Segi Empat Sama *Square Hollow Sections*	**2016**	**Dis**	93.5
	2017	**Jan**	94.0
		Feb	96.2
		Mac	97.3
		Apr	97.4
		Mei	97.1
		Jun	95.8
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(3) Keratan Geronggang Segi Empat Tepat *Rectangular Hollow Sections*	**2016**	**Dis**	92.1
	2017	**Jan**	93.3
		Feb	95.5
		Mac	96.9
		Apr	97.1
		Mei	96.7
		Jun	95.1
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	

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*	**2016**	**Dis**	89.6
	2017	**Jan**	89.7
		Feb	90.3
		Mac	91.5
		Apr	93.4
		Mei	93.7
		Jun	93.4
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(5) Gelegar Keluli Guling *Rolled Steel Joists*	**2016**	**Dis**	106.0
	2017	**Jan**	106.0
		Feb	106.0
		Mac	106.0
		Apr	106.0
		Mei	106.0
		Jun	106.0
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(6) Sesiku Sama *Equal Angles*	**2016**	**Dis**	83.8
	2017	**Jan**	84.8
		Feb	87.7
		Mac	89.4
		Apr	90.6
		Mei	89.9
		Jun	89.4
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	

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*	**2016**	**Dis**	87.1
	2017	**Jan**	87.9
		Feb	88.6
		Mac	88.9
		Apr	89.3
		Mei	89.7
		Jun	89.3
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(8) Sesalur U *U Channels*	**2016**	**Dis**	87.6
	2017	**Jan**	87.9
		Feb	89.4
		Mac	91.1
		Apr	91.4
		Mei	91.3
		Jun	90.8
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	
(9) Sesalur Bibir *Lipped Channels*	**2016**	**Dis**	93.4
	2017	**Jan**	93.7
		Feb	94.0
		Mac	95.1
		Apr	95.4
		Mei	95.8
		Jun	95.4
		Jul	
		Ogos	
		Sept	
		Okt	
		Nov	
		Dis	

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 2017

Schedule Of Release Dates For Special Release 2
(For Building And Structural Works), Peninsular Malaysia
January - December 2017

Bulan Rujukan *Reference Month*	**Tarikh** *Date*
Januari 2017 *January 2017*	**10 Februari 2017** *10 February 2017*
Februari 2017 *February 2017*	**10 Mac 2017** *10 March 2017*
Mac 2017 *March 2017*	**10 April 2017** *10 April 2017*
April 2017 *April 2017*	**09 Mei 2017** *09 May 2017*
Mei 2017 *May 2017*	**09 Jun 2017** *09 June 2017*
Jun 2017 *June 2017*	**10 Julai 2017** *10 July 2017*
Julai 2017 *July 2017*	**10 Ogos 2017** *10 August 2017*
Ogos 2017 *August 2017*	**11 September 2017** *11 September 2017*
September 2017 *September 2017*	**10 Oktober 2017** *10 October 2017*
Oktober 2017 *October 2017*	**10 November 2017** *10 November 2017*
November 2017 *November 2017*	**11 Disember 2017** *11 December 2017*
Disember 2017 *December 2017*	**10 Januari 2018** *10 January 2018*