



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

SIARAN KHAS
Special Release

2

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

FEBRUARI 2022
FEBRUARY

Pemakluman / Announcement:

Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan,
Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022
bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

*Department of Statistics Malaysia is conducting Household Income,
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from 1st January 2022 until 31st December 2022.*

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JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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RINGKASAN PENEMUAN

INDEKS KOS BAHAN BINAAN BANGUNAN (JULAI 2017=100) FEBRUARI 2022

Semenanjung Malaysia

Indeks Kos Bahan Binaan bagi semua kawasan di Semenanjung Malaysia merekodkan peningkatan di antara 0.3 dan 5.2 peratus bagi semua kategori bangunan pada Februari 2022 berbanding pada bulan sebelumnya (**Jadual 1A dan Jadual 1B**).

Indeks harga seunit bahan binaan yang menunjukkan perubahan adalah Besi di kawasan A (2.7 mata), B (0.9 mata), C (5.5 mata), D (5.1 mata), E (4.8 mata) dan F (1.9 mata); Batu baur di kawasan C (0.8 mata) dan D (0.1 mata); Pasir di kawasan B (0.8 mata), C (-0.8 mata) dan D (2.8 mata); Batu bata & dinding di kawasan B (0.1 mata), C (1.6 mata) dan D (1.7 mata); Kayu bagi semua kawasan di Semenanjung Malaysia (0.3 mata); Bahan bumbung di kawasan C (-0.9 mata) dan D (0.1 mata); Bahan siling di kawasan A (0.2 mata), C (3.9 mata), D (0.5 mata) dan F (1.5 mata); Keratan keluli & logam di kawasan A (0.2 mata), B (0.3 mata), C (2.5 mata), D (0.7 mata) dan E (2.9 mata); Bahan kerja paip di kawasan B (-0.1 mata), C (0.9 mata) dan E (0.7 mata); Jubin lantai & dinding di kawasan A (0.2 mata), B (0.8 mata), E (2.2 mata) dan F (2.7 mata); Lengkapan kebersihan di kawasan C (2.1 mata); Kaca di kawasan C (1.7 mata), D (1.5 mata), E (1.5 mata) dan F (2.0 mata); Cat di kawasan C (0.8 mata), D (0.2 mata) dan F (0.8 mata); dan Papan lapis bagi semua kawasan di Semenanjung Malaysia (4.4 mata) (**Jadual 2**).

Indeks harga seunit bagi semua keluli struktur di Selangor dan W.P. Kuala Lumpur yang menunjukkan perubahan adalah Cerucuk Keping Jenis 'U' (0.5 mata), Keratan Geronggang segi Empat Sama (1.7 mata), Keratan Geronggang Segi Empat Tepat (1.5 mata), Rasuk Semesta (4.2 mata), Sesiku Sama (2.1 mata), Sesiku Tak Sama (2.0), Sesalur U (7.7 mata) dan Sesalur Bibir (6.8 mata) (**Jadual 3**).

SUMMARY OF FINDINGS

BUILDING MATERIAL COST INDEX (JULY 2017=100)

FEBRUARY 2022

Peninsular Malaysia

The BCI for all region in Peninsular Malaysia recorded an increase between 0.3 and 5.2 per cent for all building categories in February 2022 as compared to the previous month (**Table 1A and Table 1B**).

The unit price indices of building materials that showed changes were Steel in regions A (2.7 points), B (0.9 points), C (5.5 points), D (5.1 points), E (4.8 points) and F (1.9 points); Aggregates in regions C (0.8 points) and D (0.1 points); Sand in regions B (0.8 points), C (-0.8 points) and D (2.8 points); Bricks & wall in regions B (0.1 points), C (1.6 points) and D (1.7 points); Timber for all regions in Peninsular Malaysia (0.3 points); Roofing materials in regions C (-0.9 points) and D (0.1 points); Ceiling materials in regions A (0.2 points), C (3.9 points), D (0.5 points) and F (1.5 points); Steel & metal sections in regions A (0.2 points), B (0.3 points), C (2.5 points), D (0.7 points) and E (2.9 points); Plumbing materials in regions B (-0.1 points), C (0.9 points) and E (0.7 points); Floor & wall tiles in regions A (0.2 points), B (0.8 points), E (2.2 points) and F (2.7 points); Sanitary fittings in regions C (2.1 points); Glass in regions C (1.7 points), D (1.5 points), E (1.5 points) and F (2.0 points); Cat in regions C (0.8 points), D (0.2 points) and F (0.8 points); and Plywood for all regions in Peninsular Malaysia (4.4 points) (**Table 2**).

The unit price indices for all structural steel in Selangor and W.P. Kuala Lumpur that showed changes were U type Sheet Piles (0.5 points), Square Hollow Sections (1.7 points), Rectangular Hollow Sections (1.5 points), Universal Beams (4.2 points), Equal Angles (2.1 points), Unequal Angles (2.0 points), U Channels (7.7 points), and Lipped Channels (6.8 points) (**Table 3**).

JADUAL
TABLE

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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 2017=100)

(July 2017=100)

Kategori Bangunan <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.A.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.) Building</i>	2021 Feb	104.2	100.8	101.9	98.8	100.7	102.0
	Mac	105.1	100.9	102.1	99.5	100.9	102.2
	Apr	106.4	102.1	102.5	99.7	101.7	103.4
	Mei	107.1	102.9	102.8	99.8	102.4	104.4
	Jun	107.7	104.0	103.1	100.0	102.7	105.0
	Jul	108.6	104.8	103.0	100.0	103.8	105.9
	Ogos	109.6	105.6	102.9	100.0	104.3	106.4
	Sep	110.1	106.8	103.3	100.1	105.0	107.0
	Okt	110.4	107.8	103.6	100.1	106.3	107.2
	Nov	111.6	109.1	104.8	100.6	107.7	108.0
	Dis	113.1	110.0	105.9	101.9	109.2	109.2
	2022 Jan	114.1	110.9	106.9	103.2	110.1	111.2
	Feb	114.7	111.6	108.1	104.1	111.2	112.3
1.A.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2021 Feb	104.1	98.6	102.3	97.3	98.2	100.2
	Mac	105.0	98.4	102.4	97.8	98.4	100.3
	Apr	106.4	99.5	102.7	98.0	98.8	101.4
	Mei	107.2	100.3	103.0	98.1	99.2	102.4
	Jun	108.1	101.4	103.4	98.6	99.7	102.9
	Jul	109.1	102.1	103.4	98.5	100.9	104.2
	Ogos	110.3	102.9	103.2	98.5	101.5	104.8
	Sep	110.8	104.4	103.7	98.6	102.0	105.1
	Okt	111.1	105.2	103.9	98.6	103.1	105.3
	Nov	112.2	106.1	105.2	99.3	104.2	106.3
	Dis	113.6	107.0	106.4	100.5	105.5	107.4
	2022 Jan	114.3	107.6	107.1	101.6	106.1	109.1
	Feb	115.4	108.8	108.7	103.1	107.6	110.4
1.A.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2021 Feb	105.0	99.2	102.6	97.9	98.6	100.8
	Mac	105.8	99.0	102.8	98.5	98.8	100.9
	Apr	107.1	100.2	103.0	98.8	99.4	102.0
	Mei	107.8	100.9	103.3	98.8	99.8	103.0
	Jun	108.5	101.8	103.5	99.2	100.2	103.4
	Jul	109.6	102.5	103.5	99.1	101.6	104.7
	Ogos	110.8	103.2	103.3	99.1	102.3	105.2
	Sep	111.4	104.8	103.8	99.2	102.9	105.6
	Okt	111.6	105.8	104.1	99.2	104.2	105.7
	Nov	112.7	106.8	105.6	99.9	105.5	106.8
	Dis	114.2	107.7	106.7	101.2	106.9	108.0
	2022 Jan	114.9	108.4	107.6	102.3	107.5	109.7
	Feb	115.7	109.3	108.8	103.5	108.7	110.7

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 2017=100)

(July 2017=100)

Kategori Bangunan <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.A.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2021 Feb	105.3	99.1	102.5	97.8	98.6	100.9
	Mac	106.1	99.0	102.6	98.3	98.8	101.0
	Apr	107.5	100.2	102.9	98.6	99.4	101.8
	Mei	108.2	100.9	103.1	98.7	99.8	102.7
	Jun	109.0	101.8	103.4	99.0	100.2	103.0
	Jul	110.1	102.5	103.4	99.0	101.6	104.4
	Ogos	111.3	103.2	103.3	99.0	102.4	104.9
	Sep	111.8	104.7	103.8	99.1	102.9	105.2
	Okt	112.0	105.5	104.1	99.1	104.1	105.3
	Nov	113.3	106.6	105.6	99.8	105.4	106.4
	Dis	114.8	107.5	106.7	101.1	106.8	107.5
	2022 Jan	115.5	108.3	107.5	102.3	107.5	109.1
	Feb	116.2	109.1	108.8	103.5	108.6	110.0
1.A.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2021 Feb	105.2	98.9	103.2	97.7	98.6	100.7
	Mac	106.2	98.7	103.4	98.4	98.8	100.8
	Apr	107.6	100.0	103.7	98.6	99.3	102.0
	Mei	108.5	100.9	104.0	98.6	99.8	103.2
	Jun	109.3	102.0	104.3	99.0	100.2	103.7
	Jul	110.4	102.9	104.3	99.0	101.5	105.3
	Ogos	111.7	103.9	104.1	99.0	102.1	105.9
	Sep	112.4	105.7	104.6	99.0	102.8	106.3
	Okt	112.6	106.7	104.9	99.1	104.1	106.4
	Nov	113.7	107.7	106.3	99.8	105.5	107.6
	Dis	115.3	108.5	107.5	101.1	106.9	108.8
	2022 Jan	115.9	109.0	108.3	102.2	107.5	110.5
	Feb	116.7	110.0	109.6	103.3	108.8	111.6
1.A.6 Bangunan Kayu <i>Timber Building</i>	2021 Feb	102.8	102.8	102.5	102.5	102.9	102.8
	Mac	104.6	104.6	104.2	104.4	104.6	104.6
	Apr	104.8	104.7	104.3	104.4	104.8	104.6
	Mei	104.9	104.9	104.4	104.5	105.0	104.7
	Jun	105.5	105.5	104.9	105.0	105.5	105.3
	Jul	104.9	105.0	104.3	104.4	105.0	104.8
	Ogos	105.2	105.2	104.4	104.5	105.3	105.0
	Sep	105.2	105.3	104.5	104.6	105.4	105.1
	Okt	105.2	105.4	104.5	104.6	105.6	105.1
	Nov	105.4	105.6	104.6	104.6	105.8	105.1
	Dis	106.8	107.0	106.0	106.1	107.3	106.5
	2022 Jan	110.6	110.8	109.8	109.9	111.1	110.3
	Feb	111.0	111.2	110.4	110.4	111.6	110.8

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 2017=100)

(July 2017=100)

Kategori Bangunan <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.A.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Feb	103.0	103.0	103.0	103.0	103.0	103.0
	Mac	105.0	105.0	105.0	105.0	105.0	105.0
	Apr	105.0	105.0	105.0	105.0	105.0	105.0
	Mei	105.1	105.1	105.1	105.1	105.1	105.1
	Jun	105.6	105.6	105.6	105.6	105.6	105.6
	Jul	104.9	104.9	104.9	104.9	104.9	104.9
	Ogos	105.1	105.1	105.1	105.1	105.1	105.1
	Sep	105.1	105.1	105.1	105.1	105.1	105.1
	Okt	105.1	105.1	105.1	105.1	105.1	105.1
	Nov	105.1	105.1	105.1	105.1	105.1	105.1
	Dis	106.6	106.6	106.6	106.6	106.6	106.6
	2022 Jan	110.8	110.8	110.8	110.8	110.8	110.8
	Feb	111.1	111.1	111.1	111.1	111.1	111.1
1.A.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Feb	105.6	98.8	103.1	98.6	97.9	99.9
	Mac	106.6	98.8	103.5	99.4	98.3	100.4
	Apr	107.8	99.3	103.5	99.7	98.3	100.8
	Mei	108.3	99.7	103.5	99.7	98.3	101.4
	Jun	109.0	100.0	103.5	100.0	98.6	101.4
	Jul	109.7	99.8	103.3	99.8	99.7	102.4
	Ogos	111.5	99.9	103.2	99.9	100.8	102.6
	Sep	112.2	101.4	103.7	99.9	100.8	102.6
	Okt	112.8	102.0	103.9	99.9	101.7	102.6
	Nov	114.1	102.3	105.2	100.7	102.6	103.8
	Dis	115.7	103.0	106.4	101.6	103.4	105.4
	2022 Jan	116.9	104.0	107.8	103.0	104.4	107.1
	Feb	117.4	104.6	108.3	103.9	105.0	107.7

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 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.) Building</i>	2021 Feb	106.4	103.1	104.2	99.4	103.9	103.9
	Mac	108.1	103.1	104.4	100.7	105.2	104.2
	Apr	109.9	105.6	104.6	101.4	106.8	105.3
	Mei	111.0	107.7	104.9	101.5	107.5	106.1
	Jun	111.4	110.1	105.3	101.7	107.8	107.8
	Jul	112.9	112.2	105.3	101.6	109.9	109.5
	Ogos	113.7	113.8	105.2	101.6	110.3	110.1
	Sep	114.1	114.8	106.0	101.7	110.9	110.7
	Okt	114.3	116.7	106.9	101.7	111.9	110.8
	Nov	115.2	117.6	108.8 ^r	102.6	113.0	111.4
	Dis	116.4	118.3	110.7 ^r	104.9	114.1	112.3
	2022 Jan	117.2	119.0	112.9 ^r	106.4	114.8	113.8
	Feb	118.5	119.8	115.6	109.8	117.2	115.2
1.B.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2021 Feb	108.1	103.5	106.1	99.0	105.0	104.4
	Mac	110.4	103.4	106.2	100.7	107.0	104.7
	Apr	112.6	106.7	106.4	101.8	109.0	105.6
	Mei	113.9	109.9	106.5	101.8	109.7	106.2
	Jun	114.3	113.2	107.1	102.1	109.9	108.8
	Jul	116.5	116.3	107.1	102.0	112.9	111.3
	Ogos	117.2	118.4	107.0	102.0	113.2	112.0
	Sep	117.5	119.4	108.2	102.1	113.6	112.4
	Okt	117.6	121.9	109.5	102.1	114.2	112.4
	Nov	118.3	122.4	112.0 ^r	103.3	115.0	113.0
	Dis	119.2	122.9	114.7 ^r	106.3	115.7	113.7
	2022 Jan	119.5	123.2	117.5 ^r	107.9	116.0	114.6
	Feb	121.7	124.4	121.6	113.4	119.6	116.4
1.B.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2021 Feb	108.2	103.4	106.0	99.2	104.6	104.3
	Mac	110.3	103.3	106.1	100.9	106.4	104.6
	Apr	112.4	106.4	106.2	101.8	108.3	105.6
	Mei	113.6	109.3	106.4	101.9	109.0	106.2
	Jun	114.0	112.3	106.8	102.1	109.2	108.5
	Jul	116.0	115.1	106.8	102.0	112.1	110.9
	Ogos	116.8	117.0	106.7	102.0	112.6	111.6
	Sep	117.1	118.1	107.9	102.1	113.0	111.9
	Okt	117.3	120.6	109.0	102.1	113.8	112.0
	Nov	118.0	121.2	111.5 ^r	103.3	114.7	112.7
	Dis	119.0	121.7	114.0 ^r	106.2	115.5	113.4
	2022 Jan	119.4	122.1	116.7 ^r	107.7	115.9	114.4
	Feb	121.2	123.2	120.3	112.6	119.1	116.0

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 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2021 Feb	109.0	104.1	106.5	99.4	105.8	105.1
	Mac	111.4	104.1	106.6	101.2	107.9	105.4
	Apr	113.6	107.6	106.7	102.3	110.0	106.2
	Mei	114.9	110.9	106.9	102.4	110.7	106.6
	Jun	115.2	114.3	107.4	102.6	110.9	109.3
	Jul	117.5	117.5	107.4	102.5	114.1	111.9
	Ogos	118.2	119.7	107.3	102.5	114.5	112.6
	Sep	118.5	120.6	108.6	102.6	114.9	112.9
	Okt	118.6	123.3	110.0	102.6	115.6	113.0
	Nov	119.3	123.8	112.7 ^r	103.9	116.4	113.6
	Dis	120.2	124.3	115.5 ^r	107.1	117.1	114.2
	2022 Jan	120.5	124.7	118.4 ^r	108.7	117.4	115.0
	Feb	122.6	125.7	122.6	114.4	121.0	116.6
1.B.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2021 Feb	108.9	104.0	106.9	99.4	105.7	104.9
	Mac	111.4	103.9	107.0	101.2	107.9	105.2
	Apr	113.7	107.5	107.2	102.3	110.0	106.3
	Mei	115.0	110.9	107.3	102.3	110.7	106.9
	Jun	115.4	114.4	107.8	102.5	110.9	109.7
	Jul	117.7	117.8	107.8	102.5	114.1	112.3
	Ogos	118.4	120.1	107.7	102.5	114.4	113.2
	Sep	118.8	121.1	109.0	102.6	114.9	113.5
	Okt	118.9	123.9	110.4	102.6	115.6	113.6
	Nov	119.5	124.4	113.1 ^r	103.9	116.5	114.2
	Dis	120.4	124.8	115.9 ^r	107.1	117.2	114.8
	2022 Jan	120.7	125.1	118.8 ^r	108.6	117.5	115.7
	Feb	122.8	126.2	123.0	114.3	121.1	117.4
1.B.6 Bangunan Kayu <i>Timber Building</i>	2021 Feb	102.8	102.8	102.5	102.5	102.9	102.8
	Mac	104.6	104.6	104.2	104.4	104.6	104.6
	Apr	104.8	104.7	104.3	104.4	104.8	104.6
	Mei	104.9	104.9	104.4	104.5	105.0	104.7
	Jun	105.5	105.5	104.9	105.0	105.5	105.3
	Jul	104.9	105.0	104.3	104.4	105.0	104.8
	Ogos	105.2	105.2	104.4	104.5	105.3	105.0
	Sep	105.2	105.3	104.5	104.6	105.4	105.1
	Okt	105.2	105.4	104.5	104.6	105.6	105.1
	Nov	105.4	105.6	104.6 ^r	104.6	105.8	105.1
	Dis	106.8	107.0	106.0 ^r	106.1	107.3	106.5
	2022 Jan	110.6	110.8	109.8 ^r	109.9	111.1	110.3
	Feb	111.0	111.2	110.4	110.4	111.6	110.8

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 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Feb	103.0	103.0	103.0	103.0	103.0	103.0
	Mac	105.0	105.0	105.0	105.0	105.0	105.0
	Apr	105.0	105.0	105.0	105.0	105.0	105.0
	Mei	105.1	105.1	105.1	105.1	105.1	105.1
	Jun	105.6	105.6	105.6	105.6	105.6	105.6
	Jul	104.9	104.9	104.9	104.9	104.9	104.9
	Ogos	105.1	105.1	105.1	105.1	105.1	105.1
	Sep	105.1	105.1	105.1	105.1	105.1	105.1
	Okt	105.1	105.1	105.1	105.1	105.1	105.1
	Nov	105.1	105.1	105.1 ^r	105.1	105.1	105.1
	Dis	106.6	106.6	106.6 ^r	106.6	106.6	106.6
	2022 Jan	110.8	110.8	110.8 ^r	110.8	110.8	110.8
	Feb	111.1	111.1	111.1	111.1	111.1	111.1
1.B.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Feb	107.7	102.0	105.3	99.3	102.4	102.7
	Mac	109.7	101.9	105.7	100.8	104.0	103.2
	Apr	111.4	104.1	105.7	101.6	105.1	103.7
	Mei	112.3	106.1	105.7	101.6	105.4	104.2
	Jun	112.8	108.1	105.9	101.8	105.6	105.7
	Jul	114.3	109.7	105.7	101.7	107.8	107.5
	Ogos	115.6	110.8	105.6	101.8	108.6	107.9
	Sep	116.1	112.0	106.6	101.8	108.7	108.0
	Okt	116.5	113.7	107.5	101.8	109.4	108.0
	Nov	117.5	114.0	109.6 ^r	102.9	110.0	108.9
	Dis	118.7	114.5	111.7 ^r	105.1	110.6	110.0
	2022 Jan	119.5	115.2	114.3 ^r	106.7	111.4	111.3
	Feb	120.9	116.0	116.8	110.3	113.6	112.4

Jadual 2: Indeks harga seunit bagi simen, besi, 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 cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2017=100) (July 2017=100)									
				Kawasan					
				Region					
Bahan Item		Tempoh Period		A	B	C	D	E	F
Bahan Binaan									
Building Materials									
2.1	Simen Cement	2021	Feb	109.8	96.7	106.2	99.1	96.1	99.9
			Mac	109.8	95.5	106.2	100.3	96.1	99.9
		2022	Apr	110.0	96.7	106.3	100.6	96.1	100.9
			Mei	110.0	96.7	106.3	100.6	96.1	102.2
			Jun	109.7	96.7	105.9	100.6	96.1	101.6
			Jul	110.8	96.7	105.9	100.6	98.9	104.2
			Ogos	112.9	96.7	105.4	100.6	101.5	104.6
			Sep	113.8	100.3	106.5	100.6	101.5	104.6
			Okt	113.8	101.5	106.9	100.6	103.5	104.6
			Nov	115.3	102.3	109.7	102.4	105.4	107.3
			Dis	117.5	102.9	111.2	103.2	106.4	109.0
			Jan	117.7	102.9	111.9	103.5	106.4	110.0
			Feb	117.7	102.9	111.9	103.5	106.4	110.1
2.2	Besi Steel	2021	Feb	112.9	109.5	110.8	101.1	113.3	109.4
			Mac	116.9	109.5	110.8	104.3	117.6	110.0
		2022	Apr	120.1	115.5	110.9	106.3	121.4	110.8
			Mei	121.9	121.6	110.9	106.3	122.3	110.8
			Jun	121.9	127.5	111.6	106.3	122.3	116.0
			Jul	125.4	133.6	111.6	106.3	127.5	119.9
			Ogos	125.5	137.2	111.6	106.3	127.5	120.8
			Sep	125.5	137.5	113.7	106.3	127.8	121.2
			Okt	125.5	142.2	116.2	106.3	127.8	121.2
			Nov	125.6	142.2	120.2 ^r	108.2	128.0	121.3
			Dis	125.9	142.2	124.7 ^r	113.5	128.0	121.3
			Jan	125.9	142.2	130.0 ^r	119.8 ^r	128.0	121.3
			Feb	129.3	143.4	137.2	125.9	134.2	123.6
2.3	Batu Bata & Dinding Bricks & Wall	2021	Feb	107.1	101.7	102.9	94.5	98.9	107.9
			Mac	107.2	101.7	102.9	94.4	98.9	107.9
		2022	Apr	110.0	101.9	102.8	94.6	100.1	108.1
			Mei	111.4	101.9	102.8	94.6	100.1	108.3
			Jun	111.4	102.6	102.6	94.6	100.8	108.1
			Jul	114.6	102.6	102.6	94.6	102.7	108.5
			Ogos	115.4	103.4	102.7	94.6	104.1	109.0
			Sep	115.8	103.4	103.2	95.2	104.7	109.5
			Okt	115.9	103.6	103.4	95.3	105.3	109.9
			Nov	116.2	104.8	105.3	95.3	106.1	110.2
			Dis	116.4	108.7	106.6	97.8	107.3	111.2
			Jan	116.9	111.9	107.3	102.6	108.1	111.6
			Feb	116.9	112.1	109.0	104.3	108.1	111.6

Jadual 2: Indeks harga seunit bagi simen, besi, 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 (samb.)

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

(Julai 2017=100) (July 2017=100)									
Bahan Item		Tempoh Period		Kawasan Region					
				A	B	C	D	E	F
Bahan Binaan Building Materials									
2.4	Kaca Glass	2021	Feb	96.0	108.8	100.3	98.7	97.9	111.3
			Mac	96.0	109.3	104.9	98.7	97.9	111.3
		2022	Apr	96.0	109.3	108.4	98.7	97.9	112.8
			Mei	96.0	109.3	111.6	98.7	101.9	112.8
			Jun	96.0	109.3	111.6	98.7	101.9	112.8
			Jul	96.0	109.3	111.6	98.7	101.9	112.8
			Ogos	96.0	109.3	111.6	98.7	101.9	115.1
			Sep	96.0	109.3	111.6	98.7	101.9	119.5
			Okt	96.0	109.3	111.6	98.7	101.9	121.0
			Nov	99.4	109.3	115.1	98.7	101.9	121.1
			Dis	103.2	110.1	118.6	100.1	101.9	121.4
			Jan	105.7	110.1	122.8	104.1	103.6	121.4
			Feb	105.7	110.1	124.8	105.6	105.1	123.8
2.5	Batu Baur Aggregates	2021	Feb	103.7	96.8	96.9	94.3	96.1	100.8
			Mac	104.4	96.8	96.9	93.7	96.1	100.8
		2022	Apr	106.8	96.8	96.5	93.7	96.1	100.8
			Mei	108.8	96.8	96.5	93.7	96.1	100.8
			Jun	109.2	96.8	95.7	93.7	96.1	100.8
			Jul	109.2	96.8	95.0	93.7	96.1	100.8
			Ogos	115.2	96.8	95.3	93.7	96.1	100.8
			Sep	116.6	97.2	95.3	93.7	96.1	100.8
			Okt	119.8	97.2	95.9	93.7	96.1	100.8
			Nov	122.9	97.2	95.9	93.7	96.1	100.8
			Dis	124.5	97.2	95.9	93.9	96.1	104.2
			Jan	124.5	97.2	96.6	95.9	96.1	104.2
			Feb	124.5	97.2	97.4	96.0	96.1	104.2
2.6	Bahan Siling Ceiling Materials	2021	Feb	101.8	102.8	98.2	103.2	105.7	102.0
			Mac	103.1	104.1	97.9	104.7	105.7	102.0
		2022	Apr	105.8	104.1	98.3	104.7	105.7	102.0
			Mei	106.0	104.1	98.3	104.7	105.7	102.0
			Jun	106.0	104.5	98.3	104.7	105.7	102.0
			Jul	106.6	104.8	98.3	104.7	105.7	103.8
			Ogos	106.8	104.8	98.1	104.7	105.7	103.8
			Sep	107.6	104.8	100.3	105.9	105.7	103.8
			Okt	107.8	104.8	100.6	106.4	105.7	103.8
			Nov	107.9	104.8	100.9	106.4	109.8	103.8
			Dis	108.5	105.4	100.9	109.6	112.0	103.8
			Jan	110.2	105.4	101.8	111.4	114.0	103.8
			Feb	110.4	105.4	105.8	111.9	114.0	105.4

Jadual 2: Indeks harga seunit bagi simen, besi, 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 (samb.)

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

(Julai 2017=100) (July 2017=100)									
Bahan Item			Tempoh Period	Kawasan Region					
				A	B	C	D	E	F
Bahan Binaan Building Materials									
2.7	Bahan Bumbung Roofing Materials	2021	Feb	98.0	105.4	95.3	100.0	99.6	100.5
			Mac	98.0	105.4	95.0	102.5	99.6	100.5
		2022	Apr	98.4	105.7	94.8	102.5	103.1	100.3
			Mei	98.4	105.7	94.5	102.5	104.5	100.3
			Jun	98.4	105.9	94.5	102.5	105.3	100.3
			Jul	98.4	105.9	94.5	102.5	106.8	100.4
			Ogos	98.8	105.9	94.3	102.5	106.8	100.4
			Sep	99.3	105.9	94.2	102.5	110.7	100.7
			Okt	99.3	108.8	94.2	102.5	113.9	100.7
			Nov	99.5	110.8	94.6	102.5	117.3	100.7
			Dis	100.0	112.2	94.8	104.2	117.3	100.7
			Jan	100.0	113.4	96.6	104.5	117.3	100.9
			Feb	100.0	113.4	95.7	104.6	117.3	100.9
2.8.a	Kayu Timber	2021	Feb	103.0	103.0	103.0	103.0	103.0	103.0
			Mac	105.0	105.0	105.0	105.0	105.0	105.0
		2022	Apr	105.0	105.0	105.0	105.0	105.0	105.0
			Mei	105.1	105.1	105.1	105.1	105.1	105.1
			Jun	105.6	105.6	105.6	105.6	105.6	105.6
			Jul	104.9	104.9	104.9	104.9	104.9	104.9
			Ogos	105.1	105.1	105.1	105.1	105.1	105.1
			Sep	105.1	105.1	105.1	105.1	105.1	105.1
			Okt	105.1	105.1	105.1	105.1	105.1	105.1
			Nov	105.1	105.1	105.1	105.1	105.1	105.1
			Dis	106.6	106.6	106.6	106.6	106.6	106.6
			Jan	110.8	110.8	110.8	110.8	110.8	110.8
			Feb	111.1	111.1	111.1	111.1	111.1	111.1
2.8.b	Papan Lapis Plywood	2021	Feb	92.1	92.1	92.1	92.1	92.1	92.1
			Mac	92.1	92.1	92.1	92.1	92.1	92.1
		2022	Apr	92.1	92.1	92.1	92.1	92.1	92.1
			Mei	92.1	92.1	92.1	92.1	92.1	92.1
			Jun	93.8	93.8	93.8	93.8	93.8	93.8
			Jul	93.8	93.8	93.8	93.8	93.8	93.8
			Ogos	93.8	93.8	93.8	93.8	93.8	93.8
			Sep	93.8	93.8	93.8	93.8	93.8	93.8
			Okt	93.8	93.8	93.8	93.8	93.8	93.8
			Nov	93.8	93.8	93.8	93.8	93.8	93.8
			Dis	94.5	94.5	94.5	94.5	94.5	94.5
			Jan	94.5	94.5	94.5	94.5	94.5	94.5
			Feb	98.7	98.7	98.7	98.7	98.7	98.7

Jadual 2: Indeks harga seunit bagi simen, besi, 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 (samb.)

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

(Julai 2017=100) (July 2017=100)										
Bahan Item		Tempoh Period		Kawasan Region						
				A	B	C	D	E	F	
Bahan Binaan Building Materials										
2.9	Lengkapan Kebersihan Sanitary Fittings	2021	Feb	101.0	101.6	96.0	100.0	127.0	101.6	
			Mac	101.0	102.3	96.0	100.0	127.0	101.7	
			Apr	100.8	105.4	96.0	100.0	127.0	102.0	
			Mei	100.8	109.4	96.0	100.1	127.0	102.0	
			Jun	100.8	113.0	96.0	100.1	127.0	102.0	
			Jul	101.0	113.7	96.2	100.1	135.5	102.0	
			Ogos	101.1	113.3	96.2	100.1	144.0	102.0	
			Sep	101.2	113.3	96.2	100.1	142.9	102.0	
			Okt	101.3	114.0	96.4	100.1	147.7	102.3	
			Nov	101.4	117.9	96.6	100.1	152.4	102.3	
			Dis	101.6	122.1	96.6	100.3	152.4	105.0	
			2022	Jan	102.3	126.1	96.6	100.6	152.4	107.2
				Feb	102.3	126.1	98.6	100.6	152.4	107.2
2.10	Jubin Lantai & Dinding Floor & Wall Tiles	2021	Feb	100.8	108.3	98.6	100.0	106.8	106.2	
			Mac	100.8	108.3	98.1	100.0	106.8	106.2	
			Apr	100.8	108.3	98.2	100.0	106.9	112.7	
			Mei	100.8	108.3	98.5	100.0	106.9	115.7	
			Jun	100.8	108.3	98.5	100.0	106.9	118.5	
			Jul	100.8	108.3	98.5	100.0	107.1	114.0	
			Ogos	101.4	108.3	98.1	100.0	107.1	110.5	
			Sep	101.6	109.7	98.1	100.0	107.1	114.6	
			Okt	101.6	110.5	98.4	100.0	108.6	116.2	
			Nov	102.1	112.4	98.5	100.0	109.3	117.0	
			Dis	102.1	113.8	98.6	100.0	112.0	120.7	
			2022	Jan	104.5	115.4	98.8	100.0	112.0	127.2
				Feb	104.6	116.4	98.8	100.0	114.4	130.7
2.11	Bahan Kerja Paip Plumbing Materials	2021	Feb	110.2	102.6	97.9	98.5	104.9	104.5	
			Mac	111.8	104.8	97.8	98.5	105.5	104.6	
			Apr	113.4	108.1	98.5	98.5	106.3	104.6	
			Mei	113.6	109.6	99.9	98.5	106.3	104.6	
			Jun	114.4	111.0	100.7	98.5	106.3	105.0	
			Jul	115.3	113.2	101.0	98.5	109.1	105.7	
			Ogos	115.1	113.8	101.1	98.5	108.7	105.9	
			Sep	115.7	114.3	101.1	98.5	109.4	106.1	
			Okt	115.7	115.2	101.8	98.5	110.7	106.1	
			Nov	118.7	118.9	102.8	98.5	113.3	106.7	
			Dis	119.7	118.9	103.6	99.2	117.5	108.9	
			2022	Jan	120.7	119.5	104.6	100.3	120.0	112.0
				Feb	120.7	119.3	105.6	100.3	120.8	112.0

Jadual 2: Indeks harga seunit bagi simen, besi, 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 (samb.)

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

(Julai 2017=100) (July 2017=100)									
Bahan Item		Tempoh Period		Kawasan Region					
				A	B	C	D	E	F
Bahan Binaan Building Materials									
2.12	Keratan Keluli & Logam Steel & Metal Sections	2021	Feb	113.5	102.8	117.9	96.0	105.8	111.2
			Mac	118.6	102.9	118.3	96.4	106.6	111.2
			Apr	124.6	110.4	120.9	96.4	109.8	116.9
			Mei	131.8	116.4	123.4	96.4	114.3	122.3
			Jun	133.9	123.1	124.4	96.4	114.3	124.4
			Jul	137.2	131.5	124.4	96.4	114.3	131.2
			Ogos	140.0	141.4	124.2	96.3	108.5	137.7
			Sep	141.4	144.1	124.5	96.6	114.3	138.5
			Okt	142.9	148.0	124.5	96.8	117.0	138.5
			Nov	142.9	150.9	124.9	96.8	119.2	138.5
			Dis	145.7	151.4	127.3	100.4	123.0	138.5
			2022	Jan	146.1	152.2	128.5	105.0	124.9
		Feb		146.4	152.7	131.7	105.8	128.6	143.7
2.13	Pasir Sand	2021	Feb	110.9	109.1	109.7	98.4	102.3	100.4
			Mac	115.9	109.1	109.7	97.8	102.3	100.4
			Apr	123.9	109.1	109.7	99.4	102.3	100.4
			Mei	126.0	112.3	109.7	99.4	102.3	100.4
			Jun	131.6	112.3	109.7	99.4	102.3	100.4
			Jul	134.8	112.3	110.0	99.4	102.3	100.4
			Ogos	136.1	112.3	109.6	99.4	102.3	100.4
			Sep	137.1	112.3	109.6	99.4	102.3	100.4
			Okt	138.7	112.3	109.6	99.4	102.3	100.4
			Nov	142.3	112.3	111.0	99.4	102.3	100.4
			Dis	142.3	112.3	111.5	101.3	102.3	100.4
			2022	Jan	143.2	112.3	112.2	101.8	103.0
		Feb		143.2	113.2	111.2	104.6	103.0	104.2
2.14	Cat Paints	2021	Feb	104.3	103.4	101.8	108.4	102.6	103.3
			Mac	104.3	103.5	101.8	108.5	102.6	103.4
			Apr	105.1	103.7	101.7	109.1	105.0	103.5
			Mei	105.1	103.7	101.4	110.8	106.7	104.4
			Jun	105.1	104.1	101.4	110.8	106.7	105.4
			Jul	105.4	105.0	101.6	110.8	104.2	105.5
			Ogos	105.4	105.0	101.8	110.8	104.0	106.3
			Sep	105.4	105.8	102.3	110.8	104.0	107.0
			Okt	105.4	106.1	103.4	110.8	104.2	107.5
			Nov	109.0	108.1	105.2	110.8	104.2	107.6
			Dis	112.9	108.1	106.1	112.6	106.8	107.7
			2022	Jan	115.2	108.8	106.7	112.6	108.5
		Feb		115.3	108.7	107.6	112.9	108.5	110.9

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 2017=100) (July 2017=100)			
	Bahan Item	Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.1	Cerucuk Keping Jenis U <i>U Type Sheet Piles</i>	2021 Feb	128.2
		Mac	128.2
		Apr	129.2
		Mei	129.7
		Jun	129.7
		Jul	129.7
		Ogos	129.7
		Sep	129.7
		Okt	129.7
		Nov	129.7
		Dis	131.0
		2022 Jan	131.0
		Feb	131.6
3.2	Keratan Geronggang Segi Empat Sama <i>Square Hollow Sections</i>	2021 Feb	116.1
		Mac	117.7
		Apr	122.8
		Mei	129.7
		Jun	135.7
		Jul	135.7
		Ogos	135.7
		Sep	135.7
		Okt	135.7
		Nov	135.7
		Dis	139.8
		2022 Jan	142.8
		Feb	145.2
3.3	Keratan Geronggang Segi Empat Tepat <i>Rectangular Hollow Sections</i>	2021 Feb	112.2
		2022 Mac	112.6
		Apr	118.2
		Mei	124.0
		Jun	129.0
		Jul	129.0
		Ogos	129.0
		Sep	129.0
		Okt	129.0
		Nov	129.0
		2021 Dis	132.3
		2022 Jan	133.4
		Feb	135.4

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 (samb.)

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 (cont'd)

(Julai 2017=100) (July 2017=100)			
	Bahan Item	Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.4	Rasuk Semesta <i>Universal Beams</i>	2021 Feb	116.9
		Mac	117.5
		Apr	117.8
		Mei	118.2
		Jun	118.2
		Jul	118.2
		Ogos	118.2
		Sep	118.2
		Okt	118.2
		Nov	118.2
		Dis	118.2
		2022 Jan	118.2
		Feb	123.3
3.5	Gelegar Keluli Guling <i>Rolled Steel Joists</i>	2021 Feb	136.3
		Mac	136.3
		Apr	136.3
		Mei	136.3
		Jun	136.3
		Jul	136.3
		Ogos	136.3
		Sep	136.3
		Okt	136.3
		Nov	136.3
		Dis	136.3
		2022 Jan	136.3
		Feb	136.3
3.6	Sesiku Sama <i>Equal Angles</i>	2021 Feb	116.8
		Mac	117.3
		Apr	123.6
		Mei	129.2
		Jun	129.2
		Jul	129.2
		Ogos	129.2
		Sep	129.2
		Okt	129.2
		Nov	129.2
		Dis	134.7
		2022 Jan	140.0
		Feb	143.1

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 (samb.)

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 (cont'd)

(Julai 2017=100) (July 2017=100)			
	Bahan Item	Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.7	Sesiku Tak Sama <i>Unequal Angles</i>	2021 Feb	125.3
		Mac	126.4
		Apr	128.5
		Mei	131.8
		Jun	131.8
		Jul	131.8
		Ogos	131.8
		Sep	131.8
		Okt	131.8
		Nov	131.8
		Dis	135.1
		2022 Jan	135.1
		Feb	137.8
3.8	Sesalur U <i>U Channels</i>	2021 Feb	119.8
		Mac	120.3
		Apr	123.4
		Mei	124.3
		Jun	124.3
		Jul	124.3
		Ogos	124.3
		Sep	124.3
		Okt	124.3
		Nov	124.3
		Dis	128.1
		2022 Jan	129.3
		Feb	139.2
3.9	Sesalur Bibir <i>Lipped Channels</i>	2021 Feb	116.1
		Mac	116.3
		Apr	119.3
		Mei	124.5
		Jun	124.5
		Jul	124.5
		Ogos	124.5
		Sep	124.5
		Okt	124.5
		Nov	124.5
		Dis	128.3
		2022 Jan	129.4
		Feb	138.3

NOTA TEKNIKAL
TECHNICAL NOTES

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NOTA TEKNIKAL

1. 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*.
2. 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).
3. Indeks harga yang dilaporkan mengikut 6 kawasan seperti berikut:
 - A = Pulau Pinang, Kedah dan Perlis
 - B = Perak
 - C = Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka dan Negeri Sembilan
 - D = Johor
 - E = Pahang
 - F = Kelantan dan Terengganu
4. Bermula penerbitan Julai 2018, indeks ini berasaskan kepada tahun asas yang ditukar daripada (Julai 2012=100) kepada (Julai 2017=100) serta pemilihan spesifikasi bahan binaan baharu dan pemberat yang dikemaskini oleh JKR.
5. Bagi kontrak-kontrak yang telah ditandatangani sebelum Julai 2018, 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 Julai 2018 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.

TECHNICAL NOTES

1. *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.*
2. *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).*
3. *Prices index reported according to 6 regions as follows:*
 - A = Pulau Pinang, Kedah and Perlis*
 - B = Perak*
 - C = Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka and Negeri Sembilan*
 - D = Johor*
 - E = Pahang*
 - F = Kelantan and Terengganu*
4. *Starting from July 2018 publication, the series is based on the revised base year which has been changed from (July 2012=100) to (July 2017=100) as well as the selection of new building material specifications and weightage updated by JKR.*
5. *For contracts signed before July 2018, 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 July 2018 and thereafter, the new index is to be used without any further adjustment.*

NOTA TEKNIKAL (samb.)

TECHNICAL NOTES (cont'd)

6. Pengiraan perubahan indeks
- a. IKB mengukur perubahan harga dari suatu tempoh rujukan yang ditetapkan, iaitu (Julai 2017=100).
- b. 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.

7. Perubahan Mata Indeks

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

8. Perubahan Peratus

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

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

6. *Index change calculation*
- a. *The BCI measures price changes from a designated period, i.e. (July 2017=100).*
- b. *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.*

7. Index Point Change

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

8.

Percentage Change

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

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

SINGKATAN/SIMBOL

K.T	= Konkrit Bertetulang
n.a	= Tidak diperoleh
r	= Kemaskini

ABBREVIATION/SYMBOLS

R.C	= Reinforced Concrete
n.a	= Not available
r	= Revised

LAMPIRAN

APPENDIX

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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. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.1339	1.1497	1.1464	1.1360	1.1870	1.1414
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C) Building (flat roof)</i>	1.1108	1.1326	1.1344	1.1219	1.1775	1.1268
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.1152	1.1395	1.1412	1.1285	1.1825	1.1301
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.1070	1.1312	1.1299	1.1191	1.1635	1.1177
5. Bangunan (K.T) 5 tingkat dan lebih (untuk pejabat) <i>5 Storey and above (R.C) Building (for office)</i>	1.1028	1.1291	1.1307	1.1193	1.1958	1.1242
6. Bangunan Kayu <i>Timber Building</i>	1.1973	1.1994	1.1985	1.1971	1.2120	1.1979
7. Cerucuk Kayu <i>Timber Piling</i>	1.2266	1.2266	1.2266	1.2266	1.2266	1.2266
8. Cerucuk (K.T) <i>(R.C.) Piling</i>	1.0648	1.1052	1.1173	1.1167	1.1283	1.0665

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. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.1028	1.1015	1.0988	1.1223	1.1441	1.1134
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C.) Building (Flat Roof)</i>	1.0601	1.0490	1.0520	1.0919	1.1020	1.0740
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.0699	1.0648	1.0649	1.1040	1.1124	1.0838
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.0559	1.0439	1.0431	1.0875	1.0849	1.0656
5. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (for Office)</i>	1.0529	1.0420	1.0440	1.0866	1.1120	1.0686
6. Bangunan Kayu <i>Timber Building</i>	1.1973	1.1994	1.1985	1.1971	1.2120	1.1979
7. Cerucuk Kayu <i>Timber Piling</i>	1.2266	1.2266	1.2266	1.2266	1.2266	1.2266
8. Cerucuk (K.T.) <i>(R.C.) Piling</i>	1.0442	1.0545	1.0735	1.0554	1.1071	1.0423

**Contoh pengiraan indeks lama IKB
(Julai 2012=100) dengan menggunakan indeks
baru IKB (Julai 2017=100)**

1. Contoh mengira indeks lama (tanpa bar keluli) bagi bulan Julai 2017 untuk kategori Bangunan (K.T) Satu Tingkat bagi kawasan A adalah seperti berikut:

I^j lama Julai 2017 = FP (seperti di **Lampiran A**) x I^j baru Julai 2017

iaitu, indeks lama Julai 2017:

$$\begin{aligned} &= 1.1339 \times 100.0 \\ &= 113.39 \\ &= 113.4 \end{aligned}$$

2. Contoh mengira indeks lama (termasuk bar keluli) bagi bulan Julai 2017 untuk kategori Bangunan Kayu bagi kawasan F adalah seperti berikut:

I^j lama Julai 2017 = FP (seperti di **Lampiran B**) x I^j baru Julai 2017

iaitu, indeks lama Julai 2017:

$$\begin{aligned} &= 1.1979 \times 100.0 \\ &= 119.79 \\ &= 119.8 \end{aligned}$$

di mana,

FP = Faktor Pelarasan

I^j = Indeks bagi kategori bangunan j

j = 1, 8

**Example for calculating the old BCI
(July 2012=100) using the new index BCI
(July 2017=100)**

1. Example for calculating the old index (without steel bars) for the month of July 2017 for Single Storey (R.C) Building in region A is as follows:

Old I^j for July 2017 = AF (as in **Appendix A**) x new I^j for July 2017

i.e. old index for July 2017:

$$\begin{aligned} &= 1.1339 \times 100.0 \\ &= 113.39 \\ &= 113.4 \end{aligned}$$

2. Example for calculating the old index (with steel bars) for the month of July 2017 for Timber Building in region F is as follows:

Old I^j for July 2017 = AF (as in **Appendix B**) x new I^j for July 2017

i.e. old index for July 2017:

$$\begin{aligned} &= 1.1979 \times 100.0 \\ &= 119.79 \\ &= 119.8 \end{aligned}$$

where,

AF = Adjustment Factor

I^j = Index for building category j

j = 1, 8

Sasaran Tarikh Pengumuman Siaran Khas 2
(Untuk Kerja-Kerja Pembinaan Bangunan dan Struktur), Semenanjung Malaysia, 2022
Scheduled Release Dates for Special Release 2
(For Building and Structural Works), Peninsular Malaysia, 2022

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2022	Januari <i>January</i>	2022	10 Februari <i>10 February</i>
	Februari <i>February</i>		10 Mac <i>10 March</i>
	Mac <i>March</i>		08 April <i>08 April</i>
	April <i>April</i>		11 Mei <i>11 May</i>
	Mei <i>May</i>		09 Jun <i>09 June</i>
	Jun <i>June</i>		07 Julai <i>07 July</i>
	Julai <i>July</i>		10 Ogos <i>10 August</i>
	Ogos <i>August</i>		08 September <i>08 September</i>
	September <i>September</i>		11 Oktober <i>11 October</i>
	Oktober <i>October</i>		09 November <i>09 November</i>
	November <i>November</i>		08 Disember <i>08 December</i>
	Disember <i>December</i>	2023	09 Januari <i>09 January</i>