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SIARAN KHAS
Special Release **2**

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

APRIL **2022**
APRIL

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, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah *"Connecting the World with Data We Can Trust"*

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust"

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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- **Besi** / *Steel*
- **Batu bata & dinding** / *Bricks & wall*
- **Kaca** / *Glass*
- **Batu baur** / *Aggregates*
- **Bahan siling** / *Ceiling materials*
- **Bahan bumbung** / *Roofing materials*
- **Kayu** / *Timber*
- **Papan lapis** / *Plywood*
- **Lengkapan kebersihan** / *Sanitary fittings*
- **Jubin lantai & dinding** / *Floor & wall tiles*
- **Bahan kerja paip** / *Plumbing materials*
- **Keratan keluli & logam** / *Steel & metal sections*
- **Pasir** / *Sand*
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RINGKASAN PENEMUAN

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

Semenanjung Malaysia

Indeks Kos Bahan Binaan bagi semua kawasan di Semenanjung Malaysia merekodkan peningkatan di antara 0.6 dan 3.4 peratus bagi semua kategori bangunan pada April 2022 berbanding pada bulan sebelumnya **(Jadual 1A dan Jadual 1B)**.

Indeks harga seunit bahan binaan yang menunjukkan perubahan adalah Simen di kawasan A (2.3 mata), B (2.2 mata), C (1.4 mata), E (2.7 mata) dan F (3.3 mata); Besi di kawasan A (3.5 mata), C (1.8 mata), D (0.1 mata), E (1.8 mata) dan F (2.6 mata); Batu baur di kawasan A (2.9 mata) dan C (1.1 mata); Pasir di kawasan A (0.2 mata), B (2.3 mata), C (0.5 mata), D (0.4 mata) dan F (2.4 mata); Batu bata & dinding di kawasan A (1.9 mata), B (0.1 mata), C (3.2 mata), D (0.4 mata), E (3.1 mata) dan F (0.2 mata); Bahan bumbung di kawasan B (1.2 mata), C (3.0 mata) dan F (0.4 mata); Bahan siling di kawasan A (0.2 mata), B (0.8 mata), C (3.8 mata) dan F (1.8 mata); Keratan keluli & logam di kawasan A (2.8 mata), B (0.5 mata), C (1.5 mata), E (3.2 mata) dan F (4.6 mata); Bahan kerja paip di kawasan A (0.4 mata), B (2.0 mata), C (1.2 mata) dan E (0.8 mata); Jubin lantai & dinding di kawasan A (0.2 mata), B (0.7 mata), C (0.2 mata), E (0.2 mata) dan F (3.2 mata); Lengkapan kebersihan di kawasan A (1.1 mata), B (0.2 mata) dan F (1.4 mata); Kaca di kawasan A (3.5 mata), B (1.7 mata) dan C (3.2 mata); Cat di kawasan A (0.2 mata), B (0.1 mata), C (0.6 mata), D (0.2 mata), E (2.4 mata) dan F (0.5 mata); Kayu bagi semua kawasan di Semenanjung Malaysia (1.2 mata); dan Plywood bagi semua kawasan di Semenanjung Malaysia (6.1 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' (0.2 mata), Keratan Geronggang segi Empat Sama (2.1 mata), Keratan Geronggang Segi Empat Tepat (2.5 mata), Rasuk Semesta (1.3 mata), Sesiku Sama (4.7 mata), Sesiku Tak Sama (0.9 mata), Sesalur U (1.6 mata) dan Sesalur Bibir (2.2 mata) **(Jadual 3)**.

SUMMARY OF FINDINGS

BUILDING MATERIAL COST INDEX (JULY 2017=100)
April 2022

Peninsular Malaysia

The BCI for all region in Peninsular Malaysia recorded an increase between 0.6 dan 3.4 per cent for all building categories in April 2022 as compared to the previous month ***(Table 1A and Table 1B)****.*

The unit price indices of building materials that showed changes were Cement in regions A (2.3 points), B (2.2 points), C (1.4 points), E (2.7 points) and F (3.3 points); Steel in regions A (3.5 points), C (1.8 points),D (0.1 points),E (1.8 points) and F (2.6 points); Aggregates in regions A (2.9 points),and C (1.1 points); Sand in regions A (0.2 points), B (2.3 points), C (0.5 points), D (0.4 points) and F (2.4 points); Bricks & wall in regions A (1.9 points), B (0.1 points), C (3.2 points), D (0.4 points), E (3.1 points) and F (0.2 points); Roofing materials in regions B (1.2 points), C (3.0 points) and F (0.4 points); Ceiling Materials in region A (0.2 points), B (0.8 points), C (3.8 points) and F (1.8 points); Steel & metal sections in regions A (2.8 points), B (0.5 points), C (1.5 points), E (3.2 points) and F (4.6 points); Plumbing materials in A (0.4 points), B (2.0 points), C (1.2 points) and E (0.8 points); Floor & wall tiles in regions A (0.2 points), B (0.7 points), C (0.2 points), E (0.2 points) and F (3.2 points); Sanitary fittings in regions A (1.1 points), B (0.2 points) and F (1.4 points); Glass in regions A (3.5 points), B (1.7 points) and C (3.2 points); Paints in regions A (0.2 points), B (0.1 points), C (0.6 points), D (0.2 points), E (2.4 points) and F (0.5 points) Timber for all areas in Peninsular Malaysia (1.2 points); and Plywood for all areas in Peninsular Malaysia (6.1 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 (0.2 points), Square Hollow Sections (2.1 points), Rectangular Hollow Sections (2.5 points), Universal Beams (1.3 points), Equal Angles (4.7 points), Unequal Angles (0.9 points), U Channels (1.6 points), and Lipped Channels (2.2 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 *Category of Building*	Tempoh *Period*		Kawasan *Region*					
				A	B	C	D	E	F
1.A.1	**Bangunan (K.T.)**	**2021**	**Apr**	106.4	102.1	102.5	99.7	101.7	103.4
	Satu Tingkat		**Mei**	107.1	102.9	102.8	99.8	102.4	104.4
	Single - Storey (R.C.)		**Jun**	107.7	104.0	103.1	100.0	102.7	105.0
	Building		**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
			Mac	115.0	112.5	108.9	104.2	111.9	113.3
			Apr	117.2	114.4	111.2	105.1	114.2	116.2
1.A.2	**Bangunan (K.T.)**	**2021**	**Apr**	106.4	99.5	102.7	98.0	98.8	101.4
	2–4 Tingkat		**Mei**	107.2	100.3	103.0	98.1	99.2	102.4
	(Berbumbung Rata)		**Jun**	108.1	101.4	103.4	98.6	99.7	102.9
	2–4 Storey (R.C.)		**Jul**	109.1	102.1	103.4	98.5	100.9	104.2
	Building (Flat Roof)		**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
			Mac	115.6	109.4	109.3	103.1	108.1	111.4
			Apr	118.7	112.1	112.1	104.8	111.3	115.2
1.A.3	**Bangunan (K.T.)**	**2021**	**Apr**	107.1	100.2	103.0	98.8	99.4	102.0
	2–4 Tingkat		**Mei**	107.8	100.9	103.3	98.8	99.8	103.0
	(Berbumbung Curam)		**Jun**	108.5	101.8	103.5	99.2	100.2	103.4
	2–4 Storey (R.C.)		**Jul**	109.6	102.5	103.5	99.1	101.6	104.7
	Building (Pitched Roof)		**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
			Mac	115.9	109.8	109.4	103.5	109.1	111.6
			Apr	118.6	112.3	111.9	104.7	112.0	115.0

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 *Category of Building*	Tempoh *Period*	Kawasan *Region*					
			A	B	C	D	E	F
1.A.4	**Bangunan (K.T.)**	**2021 Apr**	107.5	100.2	102.9	98.6	99.4	101.8
	5 Tingkat dan Lebih	**Mei**	108.2	100.9	103.1	98.7	99.8	102.7
	(Untuk Penginapan)	**Jun**	109.0	101.8	103.4	99.0	100.2	103.0
	5 Storey and Above	**Jul**	110.1	102.5	103.4	99.0	101.6	104.4
	(R.C.) Building	**Ogos**	111.3	103.2	103.3	99.0	102.4	104.9
	(For Accommodation)	**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
		Mac	116.4	109.6	109.5	103.5	109.0	110.9
		Apr	119.2	112.1	112.0	104.8	112.0	114.0
1.A.5	**Bangunan (K.T.)**	**2021 Apr**	107.6	100.0	103.7	98.6	99.3	102.0
	5 Tingkat dan Lebih	**Mei**	108.5	100.9	104.0	98.6	99.8	103.2
	(Untuk Pejabat)	**Jun**	109.3	102.0	104.3	99.0	100.2	103.7
	5 Storey and Above	**Jul**	110.4	102.9	104.3	99.0	101.5	105.3
	(R.C.) Building	**Ogos**	111.7	103.9	104.1	99.0	102.1	105.9
	(For Office)	**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
		Mac	116.9	110.7	110.4	103.4	109.3	112.7
		Apr	119.8	113.3	112.8	104.7	112.3	116.4
1.A.6	**Bangunan Kayu**	**2021 Apr**	104.8	104.7	104.3	104.4	104.8	104.6
	Timber Building	**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
		Mac	111.0	111.4	110.5	110.4	111.6	110.9
		Apr	112.4	112.8	112.0	111.6	113.0	112.3

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 / *Category of Building*	Tempoh / *Period*	Kawasan / *Region*					
		A	B	C	D	E	F
1.A.7 Cerucuk Kayu *Timber Piling*	**2021 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
	Mac	111.1	111.1	111.1	111.1	111.1	111.1
	Apr	112.4	112.4	112.4	112.4	112.4	112.4
1.A.8 Cerucuk K.T. *R.C. Piling*	**2021 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
	Mac	117.7	104.7	108.7	103.9	105.0	108.2
	Apr	120.3	106.9	110.5	104.9	107.2	111.0

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 *Category of building*	Tempoh *Period*		Kawasan *Region*					
				A	B	C	D	E	F
1.B.1	**Bangunan (K.T.)**	**2021**	**Apr**	109.9	105.6	104.6	101.4	106.8	105.3
	Satu Tingkat		**Mei**	111.0	107.7	104.9	101.5	107.5	106.1
	Single - Storey (R.C.)		**Jun**	111.4	110.1	105.3	101.7	107.8	107.8
	Building		**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
			Mac	119.0	121.2	117.1	110.2	117.6	116.6
			Apr	121.9	122.7	119.4	110.9	120.0	119.5
1.B.2	**Bangunan (K.T.)**	**2021**	**Apr**	112.6	106.7	106.4	101.8	109.0	105.6
	2–4 Tingkat		**Mei**	113.9	109.9	106.5	101.8	109.7	106.2
	(Berbumbung Rata)		**Jun**	114.3	113.2	107.1	102.1	109.9	108.8
	2–4 Storey (R.C.)		**Jul**	116.5	116.3	107.1	102.0	112.9	111.3
	Building (Flat Roof)		**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
			Mac	122.3	126.0	123.4	114.1	119.9	117.9
			Apr	126.1	127.6	126.1	115.1	122.8	121.5
1.B.3	**Bangunan (K.T.)**	**2021**	**Apr**	112.4	106.4	106.2	101.8	108.3	105.6
	2–4 Tingkat		**Mei**	113.6	109.3	106.4	101.9	109.0	106.2
	(Berbumbung Curam)		**Jun**	114.0	112.3	106.8	102.1	109.2	108.5
	2–4 Storey (R.C.)		**Jul**	116.0	115.1	106.8	102.0	112.1	110.9
	Building (Pitched Roof)		**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
			Mac	121.8	124.7	122.1	113.3	119.3	117.4
			Apr	125.3	126.1	124.6	114.0	122.0	120.8

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 *Category of building*	Tempoh *Period*		Kawasan *Region*					
				A	B	C	D	E	F
1.B.4	**Bangunan (K.T.)**	**2021**	**Apr**	113.6	107.6	106.7	102.3	110.0	106.2
	5 Tingkat dan Lebih		**Mei**	114.9	110.9	106.9	102.4	110.7	106.6
	(Untuk Penginapan)		**Jun**	115.2	114.3	107.4	102.6	110.9	109.3
	5 Storey and Above		**Jul**	117.5	117.5	107.4	102.5	114.1	111.9
	(R.C.) Building		**Ogos**	118.2	119.7	107.3	102.5	114.5	112.6
	(For Accommodation)		**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
			Mac	123.3	127.4	124.5	115.2	121.2	118.1
			Apr	126.9	128.7	127.1	115.9	124.0	121.4
1.B.5	**Bangunan (K.T.)**	**2021**	**Apr**	113.7	107.5	107.2	102.3	110.0	106.3
	5 Tingkat dan Lebih		**Mei**	115.0	110.9	107.3	102.3	110.7	106.9
	(Untuk Pejabat)		**Jun**	115.4	114.4	107.8	102.5	110.9	109.7
	5 Storey and Above		**Jul**	117.7	117.8	107.8	102.5	114.1	112.3
	(R.C.) Building		**Ogos**	118.4	120.1	107.7	102.5	114.4	113.2
	(For Office)		**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
			Mac	123.5	128.0	125.0	115.1	121.4	119.1
			Apr	127.3	129.3	127.5	115.8	124.1	122.6
1.B.6	**Bangunan Kayu**	**2021**	**Apr**	104.8	104.7	104.3	104.4	104.8	104.6
	Timber Building		**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
			Mac	111.0	111.4	110.5	110.4	111.6	110.9
			Apr	112.4	112.8	112.0	111.6	113.0	112.3

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 / *Category of building*	Tempoh / *Period*		Kawasan / *Region*					
			A	B	C	D	E	F
1.B.7 Cerucuk Kayu	**2021**	**Apr**	105.0	105.0	105.0	105.0	105.0	105.0
Timber Piling		**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
		Mac	111.1	111.1	111.1	111.1	111.1	111.1
		Apr	112.4	112.4	112.4	112.4	112.4	112.4
1.B.8 Cerucuk K.T.	**2021**	**Apr**	111.4	104.1	105.7	101.6	105.1	103.7
R.C. Piling		**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
		Mac	121.4	116.9	118.0	110.8	113.6	113.3
		Apr	124.7	118.5	120.1	111.6	115.9	116.3

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**

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)

Bahan *Item*	Tempoh *Period*	Kawasan *Region* A	B	C	D	E	F
Bahan Binaan *Building Materials*							
2.1 Simen *Cement*	**2021 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
	2022 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
	Mac	117.7	102.9	112.4	103.5	106.4	110.4
	Apr	120.5	105.2	113.9	103.5	109.3	114.0
2.2 Besi *Steel*	**2021 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
	2022 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
	Mac	130.5	146.3	140.5	127.5	134.2	125.8
	Apr	135.1	146.3	143.1	127.7	136.7	129.2
2.3 Batu Bata & Dinding *Bricks & Wall*	**2021 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
	2022 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
	Mac	116.9	112.5	110.4	104.3	108.4	113.7
	Apr	119.1	112.6	113.9	104.8	111.8	113.9

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*									
2.4	**Kaca** *Glass*	**2021**	**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
		2022	**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
			Mac	108.7	113.2	127.3	106.1	105.1	123.8
			Apr	112.5	115.1	131.5	106.1	105.1	123.8
2.5	**Batu Baur** *Aggregates*	**2021**	**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
		2022	**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
			Mac	125.5	97.2	98.2	96.0	96.1	104.7
			Apr	129.1	97.2	99.3	96.0	96.1	104.7
2.6	**Bahan Siling** *Ceiling Materials*	**2021**	**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
		2022	**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
			Mac	110.8	109.4	108.9	111.9	114.0	106.4
			Apr	111.0	110.2	113.0	111.9	114.0	108.3

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*									
2.7	**Bahan Bumbung** *Roofing Materials*	**2021**	**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
		2022	**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
			Mac	100.0	114.5	96.5	104.7	117.3	100.9
			Apr	100.0	115.9	99.4	104.7	117.3	101.3
2.8.a	**Kayu** *Timber*	**2021**	**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
			Mac	111.1	111.1	111.1	111.1	111.1	111.1
			Apr	112.4	112.4	112.4	112.4	112.4	112.4
2.8.b	**Papan Lapis** *Plywood*	**2021**	**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
		2022	**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
			Mac	98.7	98.7	98.7	98.7	98.7	98.7
			Apr	104.8	104.8	104.8	104.8	104.8	104.8

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**	**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
			Mac	102.5	126.3	98.6	100.6	152.4	107.2
			Apr	103.6	126.7	98.6	100.6	152.4	108.7
2.10	**Jubin Lantai & Dinding** *Floor & Wall Tiles*	**2021**	**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
			Mac	104.9	117.8	99.1	100.0	114.8	135.3
			Apr	105.1	118.6	99.3	100.0	115.0	139.6
2.11	**Bahan Kerja Paip** *Plumbing Materials*	**2021**	**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
			Mac	121.1	120.2	106.8	100.4	120.8	112.2
			Apr	121.6	122.6	108.0	100.4	121.7	112.3

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 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	143.7
		Feb	146.4	152.7	131.7	105.8	128.6	143.7
		Mac	146.9	156.5	134.0	106.2	132.4	148.5
		Apr	151.0	157.3	136.1	106.2	136.6	155.4
2.13	**Pasir** *Sand*	**2021 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	104.2
		Feb	143.2	113.2	111.2	104.6	103.0	104.2
		Mac	144.4	114.0	111.9	104.6	103.0	106.6
		Apr	144.7	116.5	112.5	105.1	103.0	109.1
2.14	**Cat** *Paints*	**2021 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	110.0
		Feb	115.3	108.7	107.6	112.9	108.5	110.9
		Mac	115.6	108.7	108.3	113.2	112.4	111.2
		Apr	115.8	108.8	109.0	113.3	115.0	111.8

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 *Structural Steel*				
3.1	**Cerucuk Keping Jenis U** *U Type Sheet Piles*	**2021**	**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
			Mac	132.3
			Apr	132.5
3.2	**Keratan Geronggang Segi Empat Sama** *Square Hollow Sections*	**2021**	**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
			Mac	146.7
			Apr	149.8
3.3	**Keratan Geronggang Segi Empat Tepat** *Rectangular Hollow Sections*	**2021**	**Apr**	118.2
			Mei	124.0
			Jun	129.0
			Jul	129.0
			Ogos	129.0
			Sep	129.0
			Okt	129.0
			Nov	129.0
			Dis	132.3
		2022	**Jan**	133.4
			Feb	135.4
			Mac	138.3
			Apr	141.7

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 (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 *Structural Steel*				
3.4	**Rasuk Semesta**	**2021**	**Apr**	117.8
	Universal Beams		**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
			Mac	126.8
			Apr	128.4
3.5	**Gelegar Keluli Guling**	**2021**	**Apr**	136.3
			Mei	136.3
	Rolled Steel Joists		**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
			Mac	136.3
			Apr	136.3
3.6	**Sesiku Sama**	**2021**	**Apr**	123.6
	Equal Angles		**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
			Mac	148.3
			Apr	155.3

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 *Structural Steel*				
3.7	**Sesiku Tak Sama** *Unequal Angles*	**2021**	**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
			Mac	140.9
			Apr	142.2
3.8	**Sesalur U** *U Channels*	**2021**	**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
			Mac	142.1
			Apr	144.4
3.9	**Sesalur Bibir** *Lipped Channels*	**2021**	**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
			Mac	139.7
			Apr	142.7

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.)

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
	1.2

8. Perubahan Peratus

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

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

TECHNICAL NOTES (cont'd)

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

Building Materials Cost Index	130.5
Less previous index	129.3
	1.2

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

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

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

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

   iaitu, indeks lama Julai 2017:
   = 1.1339 x 100.0
   = 113.39
   = 113.4

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

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

   iaitu, indeks lama Julai 2017:
   = 1.1979 x 100.0
   = 119.79
   = 119.8

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

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

   i.e. old index for July 2017:
   = 1.1339 x 100.0
   = 113.39
   = 113.4

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

   i.e. old index for July 2017:
   = 1.1979 x 100.0
   = 119.79
   = 119.8

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

Lampiran D
Appendix D

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