



**JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA**

SABAH & SARAWAK

*SIARAN KHAS
Special Release*

2

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

JANUARI 2022
JANUARY

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.

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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)

JANUARI 2022

Sabah

Indeks Kos Bahan Binaan (IKB) (tanpa bar keluli & termasuk bar keluli) di Sabah menunjukkan peningkatan bagi keseluruhan kategori bangunan antara 0.1 dan 2.6 peratus pada Januari 2022 berbanding pada bulan sebelumnya (**Jadual 1A dan Jadual 1B**).

Indeks harga seunit bahan binaan yang menunjukkan perubahan di Sabah ialah Simen di Kota Kinabalu (2.7 mata), Sandakan (4.3 mata) dan Tawau (5.6 mata); Besi di Kota Kinabalu (2.4 mata); Batu baur di Kota Kinabalu (0.9 mata); Batu bata & dinding di Kota Kinabalu (0.5 mata) dan Sandakan (2.1 mata); Kayu di semua kawasan di Sabah (2.6 mata); Bahan bumbung di Kota Kinabalu (2.0 mata) dan Sandakan (2.2 mata); Bahan siling di Kota Kinabalu (2.9 mata); Keratan keluli & logam di Kota Kinabalu (2.4 mata) dan Sandakan (0.7 mata); Bahan kerja paip di Kota Kinabalu (1.4 mata) dan Sandakan (1.3 mata); Jubin lantai & dinding di Sandakan (0.3 mata); Lengkapan kebersihan di Kota Kinabalu (2.6 mata); Kaca di Kota Kinabalu (2.1 mata) dan Sandakan (4.9 mata); Cat di Kota Kinabalu (2.9 mata) dan Sandakan (0.1 mata); Konkrit sedia bancuh di Kota Kinabalu (4.5 mata); dan Barang besi di Kota Kinabalu (3.7 mata) (**Jadual 2**).

Sarawak

IKB di Sarawak menunjukkan peningkatan di antara 0.1 dan 3.4 peratus bagi semua kategori bangunan (**Jadual 1A dan Jadual 1B**).

Indeks harga seunit bahan binaan yang menunjukkan perubahan ialah Simen di Kuching (3.4 mata) dan Miri (3.6 mata); Besi di Kuching (0.5 mata) dan Miri (1.0 mata); Batu baur di Kuching (2.8 mata); Batu bata & dinding di Sibu (2.8 mata) dan Miri (0.6 mata); Kayu di Kuching (7.7 mata) dan Sibu (-1.1 mata); Bahan bumbung di Kuching (1.1 mata) dan Miri (2.6 mata); Keratan keluli & logam di Kuching (0.5 mata) dan Miri (5.6 mata); Bahan kerja paip di Miri (1.3 mata); Jubin lantai & dinding di Kuching (0.7 mata) dan Miri (0.1 mata); Lengkapan kebersihan di Kuching (0.5 mata); Kaca di Kuching (2.9 mata); Cat di Kuching (0.7 mata) dan Miri (4.0 mata); dan Konkrit sedia bancuh di Miri (-0.4 mata) (**Jadual 2**).

SUMMARY OF FINDINGS

BUILDING MATERIAL COST INDEX (JULY 2017=100)

JANUARY 2022

Sabah

The Building Materials Cost Index (BCI) (without steel bars & with steel bars) in Sabah showed an increase of the entire building category between 0.1 and 2.6 per cent for all building categories in January 2022 as compared to the previous month (Table 1A and Table 1B).

The unit price indices of building materials that showed changes in Sabah were Cement in Kota Kinabalu (2.7 points), Sandakan (4.3 points) and Tawau (5.6 points); Steel in Kota Kinabalu (2.4 points); Aggregates in Kota Kinabalu (0.9 points); Bricks & wall in Kota Kinabalu (0.5 points) and Sandakan (2.1 points); Timber in all regions in Sabah (2.6 points); Roofing materials in Kota Kinabalu (2.0 points) and Sandakan (2.2 points); Ceiling materials in Kota Kinabalu (2.9 points); Steel & metal sections in Kota Kinabalu (2.4 points) and Sandakan (0.7 points); Plumbing materials in Kota Kinabalu (1.4 points) and Sandakan (1.3 points); Floor & wall tiles in Sandakan (0.3 points); Sanitary fittings in Kota Kinabalu (2.6 points); Glass in Kota Kinabalu (2.1 points) and Sandakan (4.9 points); Paints in Kota Kinabalu (2.9 points) and Sandakan (0.1 points); Ready mix concrete in Kota Kinabalu (4.5 points); and Ironmongery in Kota Kinabalu (3.7 points) (Table 2).

Sarawak

The BCI in Sarawak showed an increase between 0.1 and 3.4 per cent for all categories of building (Table 1A and Table 1B).

The unit price indices of building materials that showed changes were Cement in Kuching (3.4 points) and Miri (3.6 points); Steel in Kuching (0.5 points) and Miri (1.0 points); Aggregates in Kuching (2.8 mata); Bricks & wall in Sibu (2.8 points) and Miri (0.6 points); Timber in Kuching (7.7 points) and Sibu (-1.1 points); Roofing materials in Kuching (1.1 points) and Miri (2.6 points); Steel & metal sections in Kuching (0.5 points) and Miri (5.6 points); Plumbing materials in Miri (1.3 points); Floor & wall tiles in Kuching (0.7 points) and Miri (0.1 points); Sanitary fittings in Kuching (0.5 points); Glass in Kuching (2.9 points); Paints in Kuching (0.7 points) and Miri (4.0 points); and Ready mix concrete in Miri (-0.4 points) (Table 2).

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.A.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.)</i> <i>Building</i>	2021 Dis	108.0	102.0	101.3	112.8	99.9	108.7
	2022 Jan	110.5	104.1	102.8	112.9	100.0	111.2
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.)</i> <i>Building (Flat Roof)</i>	2021 Dis	106.6	101.2	102.1	108.2	99.7	103.7
	2022 Jan	109.1	103.5	103.8	108.6	99.8	105.0
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.)</i> <i>Building (Pitched Roof)</i>	2021 Dis	106.6	101.1	101.8	110.1	99.8	106.1
	2022 Jan	109.1	103.3	103.5	110.4	100.0	107.9
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.A.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above</i> <i>(R.C.) Building</i> <i>(For Accommodation)</i>	2021 Dis	107.0	101.0	101.3	110.1	99.9	106.1
	2022 Jan	109.5	103.1	103.0	114.5	100.8	116.2
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above</i> <i>(R.C.) Building</i> <i>(For Office)</i>	2021 Dis	107.7	99.9	101.8	110.1	99.9	106.1
	2022 Jan	110.0	102.0	103.3	110.4	100.0	107.8
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.6 Bangunan Kayu <i>Timber Building</i>	2021 Dis	104.2	101.3	101.1	106.9	101.8	103.4
	2022 Jan	106.7	103.4	102.8	110.4	100.0	107.8
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.A.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Dis	100.5	100.5	100.5	n.a.	n.a.	n.a.
	2022 Jan	103.2	103.2	103.2	n.a.	n.a.	n.a.
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Dis	108.3	101.9	98.4	106.9	99.4	100.8
	2022 Jan	112.5	103.7	99.1	110.4	101.4	104.9
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.A.9 Kerangka Besi Satu Tingkat (Bangunan) <i>Single Storey</i> <i>Steel Frame</i> <i>(Building)</i>	2021 Dis	124.5	118.1	102.1	114.4	100.6	113.1
	2022 Jan	127.2	119.4	102.3	106.9	99.3	101.6
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.A.10 Kerangka Besi Satu Tingkat (Menara Sahaja) <i>Single Storey</i> <i>Steel Frame</i> <i>(Tower Only)</i>	2021 Dis	139.0	129.9	99.9	n.a.	n.a.	n.a.
	2022 Jan	142.4	130.8	100.0	n.a.	n.a.	n.a.
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.B.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.)</i> <i>Building</i>	2021 Dis	114.0	108.2	107.5	118.1	99.7	110.0
	2022 Jan	115.7	110.0	108.8	118.4	99.8	112.2
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.B.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.)</i> <i>Building (Flat Roof)</i>	2021 Dis	113.5	108.2	108.8	114.3	99.5	106.0
	2022 Jan	115.1	110.0	110.1	114.7	99.6	107.2
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.B.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.)</i> <i>Building (Pitched Roof)</i>	2021 Dis	112.3	106.8	107.3	115.5	99.7	107.8
	2022 Jan	114.0	108.7	108.7	115.8	99.8	109.4
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
			Sabah			Sarawak		
			G	H	I	J	K	L
1.B.4	Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2021 Dis	114.4	108.6	108.8	115.5	99.7	107.8
		2022 Jan	115.9	110.3	110.1	115.9	99.8	109.4
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
1.B.5	Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2021 Dis	116.2	109.0	110.4	115.8	99.7	107.8
		2022 Jan	117.4	110.6	111.5	116.1	99.8	109.5
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
1.B.6	Bangunan Kayu <i>Timber Building</i>	2021 Dis	104.9	101.9	101.8	107.8	101.8	103.8
		2022 Jan	107.3	104.0	103.4	111.3	101.3	105.2
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

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>					
		Sabah			Sarawak		
		G	H	I	J	K	L
1.B.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Dis	100.5	100.5	100.5	n.a.	n.a.	n.a.
	2022 Jan	103.2	103.2	103.2	n.a.	n.a.	n.a.
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.B.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Dis	128.6	123.0	121.1	121.7	99.2	107.4
	2022 Jan	129.1	123.8	121.4	122.0	99.1	108.4
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						
1.B.9 Kerangka Besi Satu Tingkat (Bangunan) <i>Single Storey</i> <i>Steel Frame</i> <i>(Building)</i>	2021 Dis	125.2	118.8	103.3	116.5	100.5	113.3
	2022 Jan	127.7	120.1	103.5	116.6	100.6	116.2
	Feb						
	Mac						
	Apr						
	Mei						
	Jun						
	Jul						
	Ogos						
	Sep						
	Okt						
	Nov						
	Dis						

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>					
			Sabah			Sarawak		
			G	H	I	J	K	L
1.B.10	Kerangka Besi Satu Tingkat (Menara Sahaja) <i>Single Storey Steel Frame (Tower Only)</i>	2021 Dis	139.1	130.0	100.5	n.a.	n.a.	n.a.
		2022 Jan	142.4	131.0	100.7	n.a.	n.a.	n.a.
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi

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

(Julai 2017=100)

(July 2017=100)

			Kawasan* Region					
Bahan Item	Tempoh Period	Sabah				Sarawak		
		G	H	I	J	K	L	
Bahan binaan Building materials								
2.1	Simen Cement	2021 Dis	110.9	97.2	94.4	98.1	98.4	90.3
		2022 Jan	114.0	101.3	99.6	101.5	98.4	93.5
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.2	Besi Steel	2021 Dis	144.2	139.1	138.5	138.9	98.9	115.1
		2022 Jan	141.8	139.2	138.5	139.5	98.9	116.3
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.3	Batu Bata & Dinding Bricks & Wall	2021 Dis	92.1	104.5	116.9	115.2	101.8	114.6
		2022 Jan	92.6	106.6	116.9	115.3	104.7	115.3
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi (samb.)

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

(Julai 2017=100)

(July 2017=100)

			Kawasan					
			Region					
Bahan Item	Tempoh Period		Sabah			Sarawak		
			G	H	I	J	K	L
Bahan binaan								
Building materials								
2.4	Kaca Glass	2021 Dis	115.5	102.2	126.1	118.5	107.9	117.5
		2022 Jan	117.9	107.2	126.1	121.9	107.9	117.5
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.5	Batu Baur Aggregates	2021 Dis	100.1	100.0	97.4	103.3	96.9	98.6
		2022 Jan	99.7	100.0	97.4	106.2	96.9	96.7
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.6	Bahan Siling Ceiling Materials	2021 Dis	101.7	90.1	100.0	102.3	100.0	102.8
		2022 Jan	104.7	90.1	100.0	102.3	100.0	102.8
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi (samb.)

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

(Julai 2017=100)

(July 2017=100)

Bahan Item			Tempoh Period			Kawasan Region		
						Sabah		Sarawak
G	H	I	J	K	L			
Bahan binaan Building materials								
2.7	Bahan Bumbung Roofing Materials	2021 Dis	115.3	107.2	100.0	117.6	97.6	101.2
		2022 Jan	117.6	109.6	100.0	118.9	97.6	103.8
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.8	Cat Paints	2021 Dis	105.8	105.3	110.8	106.7	99.3	105.0
		2022 Jan	108.9	105.4	109.7	107.5	99.3	109.2
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.9	Pasir Sand	2021 Dis	103.2	100.0	100.0	107.8	100.0	79.8
		2022 Jan	103.2	100.0	100.0	107.8	100.0	79.8
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi (samb.)

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

(Julai 2017=100)

(July 2017=100)

			Kawasan Region					
Bahan Item	Tempoh Period	Sabah				Sarawak		
		G	H	I	J	K	L	
Bahan binaan Building materials								
2.10	Bahan Kerja Paip Plumbing Materials	2021 Dis	108.9	115.9	105.2	110.2	101.6	105.6
		2022 Jan	110.5	117.5	105.2	110.2	101.6	110.1
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.11	Jubin Lantai & Dinding Floor & Wall Tiles	2021 Dis	111.5	88.7	94.6	102.4	97.3	100.9
		2022 Jan	111.5	87.8	94.6	103.2	97.3	101.0
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						
2.12	Lengkapan Kebersihan Sanitary Fittings	2021 Dis	118.3	100.6	100.0	102.7	98.1	98.9
		2022 Jan	121.3	100.6	100.0	103.2	98.1	98.9
		Feb						
		Mac						
		Apr						
		Mei						
		Jun						
		Jul						
		Ogos						
		Sep						
		Okt						
		Nov						
		Dis						

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi (samb.)

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

(Julai 2017=100)

(July 2017=100)

			Kawasan Region					
Bahan Item	Tempoh Period	Sabah				Sarawak		
		G	H	I	J	K	L	
Bahan binaan Building materials								
2.13 Keratan Keluli & Logam Steel & Metal Sections	2021 Dis	141.4	132.0	100.0	131.7	103.0	138.1	
	2022 Jan	144.8	132.9	100.0	129.8	103.0	145.8	
	Feb							
	Mac							
	Apr							
	Mei							
	Jun							
	Jul							
	Ogos							
	Sep							
	Okt							
	Nov							
	Dis							
2.14.a Kayu Timber	2021 Dis	100.5	100.5	100.5	100.0	105.2	100.0	
	2022 Jan	103.2	103.2	103.2	107.7	104.0	100.0	
	Feb							
	Mac							
	Apr							
	Mei							
	Jun							
	Jul							
	Ogos							
	Sep							
	Okt							
	Nov							
	Dis							
2.14.b Papan Lapis Plywood	2021 Dis	95.1	95.1	95.1	101.0	101.0	101.0	
	2022 Jan	95.1	95.1	95.1	101.0	101.0	101.0	
	Feb							
	Mac							
	Apr							
	Mei							
	Jun							
	Jul							
	Ogos							
	Sep							
	Okt							
	Nov							
	Dis							

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, cat, pasir, bahan kerja paip, jubin lantai & dinding,engkapan kebersihan, keratan keluli & logam, kayu, papan lapis, konkrit sedia bancuh dan barang besi (samb.)

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

(Julai 2017=100)

(July 2017=100)

Bahan <i>Item</i>			Tempoh <i>Period</i>		Kawasan <i>Region</i>					
					Sabah				Sarawak	
					G	H	I	J	K	L
Bahan binaan <i>Building materials</i>										
2.15	Konkrit Sedia Bancuh <i>Ready Mix Concrete</i>	2021	Dis	109.2	103.1	98.9	103.2	98.4	94.1	
		2022	Jan	114.1	104.8	98.9	103.2	98.4	93.7	
			Feb							
			Mac							
			Apr							
			Mei							
			Jun							
			Jul							
			Ogos							
			Sep							
			Okt							
			Nov							
			Dis							
2.16	Barang Besi <i>Ironmongery</i>	2021	Dis	120.2	97.9	100.0	116.7	100.8	100.0	
		2022	Jan	124.6	97.9	100.0	116.7	100.8	100.0	
			Feb							
			Mac							
			Apr							
			Mei							
			Jun							
			Jul							
			Ogos							
			Sep							
			Okt							
			Nov							
			Dis							

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 10 kategori bangunan di Sabah untuk 3 kawasan iaitu Kota Kinabalu, Sandakan dan Tawau serta 8 kategori bangunan di Sarawak untuk 3 kawasan iaitu Kuching, Sibul dan Miri. 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 kategori bangunan disediakan oleh Jabatan Kerja Raya (JKR).
3. Indeks harga yang dilaporkan mengikut 6 kawasan seperti berikut:

G = Kota Kinabalu
H = Sandakan
I = Tawau
J = Kuching
K = Sibul
L = Miri
4. Bermula penerbitan Julai 2018, indeks ini berasaskan kepada tahun asas yang ditukar daripada (Julai2012=100) kepada (Julai 2017=100) serta pemilihan spesifikasi bahan binaan 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 10 building categories in Sabah for 3 regions, namely Kota Kinabalu, Sandakan and Tawau and 8 building categories in Sarawak for 3 regions, namely Kuching, Sibul and Miri. 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 according to building categories are provided by Public Works Department (JKR).*
3. *Prices index reported according to 6 regions as follows:*

G = Kota Kinabalu
H = Sandakan
I = Tawau
J = Kuching
K = Sibul
L = Miri
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	<u>129.3</u>
	<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

Building Materials Cost Index	130.5
Less previous index	<u>129.3</u>
	<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>					
	Sabah			Sarawak		
	G	H	I	J	K	L
1. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.0458	1.0747	1.0323	1.0768	1.0634	1.0501
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C.) Building (Flat Roof)</i>	1.0448	1.0537	1.0303	1.0880	1.0857	1.0574
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.0418	1.0567	1.0283	1.0889	1.0777	1.0553
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.0408	1.0467	1.0273	1.0889	1.0776	1.0543
5. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (for Office)</i>	1.0387	1.0498	1.0304	1.0929	1.0797	1.0543
6. Bangunan Kayu <i>Timber Buildings</i>	1.0150	1.0391	1.0090	1.0389	1.0355	1.0353
7. Cerucuk Kayu <i>Timber Piling</i>	1.0000	1.0000	1.0000	n.a.	n.a.	n.a.
8. Cerucuk (K.T.) <i>(R.C.) Piling</i>	1.0158	1.0000	1.0634	1.0929	1.0772	1.0393
9. Kerangka Besi Satu Tingkat (Bangunan) <i>Single Storey Steel (Building)</i>	1.0208	1.0490	1.0179	1.0659	1.0317	1.0225
10. Kerangka Besi Satu Tingkat (Menara Sahaja) <i>Single Storey Steel (Tower Only)</i>	1.0138	1.0084	1.0170	n.a.	n.a.	n.a.

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>					
	Sabah			Sarawak		
	G	H	I	J	K	L
1. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.0187	1.0584	1.0179	1.0565	1.0431	1.0508
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C.) Building (Flat Roof)</i>	1.0167	1.0386	1.0149	1.0674	1.0547	1.0580
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.0188	1.0437	1.0159	1.0704	1.0509	1.0570
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.0098	1.0326	1.0109	1.0693	1.0499	1.0560
5. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (for Office)</i>	1.0039	1.0325	1.0109	1.0712	1.0508	1.0560
6. Bangunan Kayu <i>Timber Buildings</i>	1.0130	1.0380	1.0080	1.0357	1.0334	1.0363
7. Cerucuk Kayu <i>Timber Piling</i>	1.0000	1.0000	1.0000	n.a.	n.a.	n.a.
8. Cerucuk (K.T.) <i>(R.C.) Piling</i>	0.9472	0.9885	0.9971	1.0426	1.0215	1.0487
9. Kerangka Besi Satu Tingkat (Bangunan) <i>Single Storey Steel (Building)</i>	1.0178	1.0479	1.0159	1.0593	1.0253	1.0255
10. Kerangka Besi Satu Tingkat (Menara Sahaja) <i>Single Storey Steel (Tower Only)</i>	1.0108	1.0084	1.0160	n.a.	n.a.	n.a.

**Contoh pengiraan indeks lama IKB
(Julai 2012=100) dengan menggunakan indeks ba-
ru 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 2018 untuk kategori Bangunan (K.T) Satu Tingkat bagi kawasan A adalah seperti berikut:

I^j lama Julai 2018 = FP (seperti di **Lampiran A**) x I^j baru Julai 2018

iaitu, indeks lama Julai 2018:

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

2. Contoh mengira indeks lama (termasuk bar keluli) bagi bulan Julai 2018 untuk kategori Bangunan Kayu bagi kawasan F adalah seperti berikut:

I^j lama Julai 2018 = FP (seperti di **Lampiran B**) x I^j baru Julai 2018

iaitu, indeks lama Julai 2018:

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

di mana,

FP = Faktor Pelarasan

I^j = Indeks bagi kategori bangunan j

j = 1, 8

1. Example for calculating the old index (without steel bars) for the month of July 2018 for Single Storey (R.C) Building in region A is as follows:

Old I^j for July 2018 = AF (as in **Appendix A**) x new I^j for July 2018

i.e. old index for July 2018:

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

2. Example for calculating the old index (with steel bars) for the month of July 2018 for Timber Building in region F is as follows:

Old I^j for July 2018 = AF (as in **Appendix B**) x new I^j for July 2018

i.e. old index for July 2018:

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

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), Sabah & Sarawak, 2022
Scheduled Release Dates for Special Release 2
(For Building and Structural Works), Sabah & Sarawak, 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>