

SENARAI HARGA PERALATAN / PERKHIDMATAN DI INTROP

BIL	PERALATAN / PERKHIDMATAN	UNIT	KADAR HARGA
1	Muffale Furnace	Per Sampel	RM 90.00 - RM 165.00
2	Internal Mixer (BRABENDER)	Per Sampel	RM 50.00 - RM 90.00
3	Thermoplastic Compression Moulding (40 tonne)	Per Sampel	RM 36.00 - RM 66.00
4	Hot Press (100 tonne)	Per Sampel	RM 42.00 - RM 77.00
5	Injection Moulding	Per Jam	RM 76.00 - RM 139.00
6	Universal Testing Machine (UTM) (30 kN) WITH MS ISO/IEC 17025	Per Sampel	RM 60.00 - RM 100.00 (+RM50 for test report)
8	Hardness Tester	Per Sampel	RM 30.00 - RM 55.00
9	TG-IR (Evolved Gas)	Per Sampel	RM 200.00 - RM 363.00
10	MDF Glue Mixer	Per Sampel	RM 12.00 - RM 22.00
11	Wood Chipper	Per Jam	RM 25.00 - RM 50.00
12	Ring Knife Flaker	Per Jam	RM 36.00 - RM 66.00
13	Vibratory Fibre Screener	Per Jam	RM 18.00 - RM 33.00
14	OSB/Particleboard Mixer	Per Jam	RM 22.00 - RM 40.00
15	Industrial Oven	Per Jam	RM 25.00 - RM 44.00
16	Digital Image Analyzer	Per Jam	RM 40.00 - RM 72.00
17	Freezer Mill / Cryocrusher (excluding liquid nitrogen)	Per Sampel	RM 35.00 - RM 66.00
18	Sonifier / Ultrasonic Processor	Per Jam	RM 30.00 - RM 61.00
19	Vacuum Oven	Per Hari	RM 30.00 - RM 55.00
20	Viscometer	Per Sampel	RM 42.00 - RM 77.00

21	Paper Making (Package I) including : - Hydropulper - Screener (Somerville) - Disintegrator - Pulp Equalizer - Handsheet Former - Speed Dryer	Per Paper Set	RM 120.00 - RM 220.00
22	Paper Making (Package II) including : - Disintegrator - Pulp Equalizer - Handsheet Former - Speed Dryer	Per Paper Set	RM 80.00 - RM 152.00
23	Refining Mechanical Pulper (RMP)	Per Jam	RM 40.00 - RM 70.00
24	Bleaching (1 stage)	<i>Per stage</i>	RM 48.00 - RM 88.00
25	Wood content analysis		
	a) Extractive (ethanol-toluene)	Per Sampel	RM 72.00 - RM 132.00
	b) holocellulose	Per Sampel	RM 120.00 - RM 220.00
	c) α -cellulose	Per Sampel	RM 156.00 - RM 286.00
	c) lignin	Per Sampel	RM 150.00 - RM 275.00
	d) Ash content	Per Sampel	RM 30.00 - RM 55.00
26	Beater (PFI Mill)	<i>Per Run</i>	RM 45.00 - RM 84.00
27	Canadian Standard Freeness (CSF)	Per Sampel	RM 8.00 - RM 15.00
28	Automatic Film Coater	<i>Per Run</i>	RM 7.00 - RM 13.00
29	Pulp Viscometer	Per Sampel	RM 72.00 - RM 132.00
30	Universal Testing Machine (UTM) (30 kN)	Per Sampel	RM 60.00 - RM 110.00
31	Thermal Mechanical Analyzer (TMA)	Per Sampel	RM 80.00 - RM 149.00
32	Impact Tester	Per Sampel	RM 55.00 - RM 99.00
33	Twin Digester	<i>Per Run</i>	RM 132.00 - RM 242.00
34	Rotary Digester	<i>Per Run</i>	RM 150.00 - RM 275.00
35	Twin Screw Extruder*	Per Jam	RM 62.00 - RM 116.00
36	Differential Scanning Calorimeter (DSC)	Per Sampel	RM 100.00 - RM 230.00
37	Dynamic Mechanical Analyzer (DMA) (excluding liquid nitrogen)	Per Sampel	RM 150.00 - RM 200.00
38	FTIR	Per Sampel	RM 67.00 - RM 130.00

39	Gas Chromatography-Mass Spectrometer (GS-MS)	Per Sampel	RM 240.00 - RM 330.00
40	SEM	Per Sampel	RM 95.00 - RM 215.00
41	GEL DOCUMENTATION SYSTEM (with print out)	<i>Per read</i>	RM 12.00 - RM 22.00
42	Autoclave	<i>Per run</i>	RM 15.00 - RM 33.00
43	PCR	Per Jam	RM 11.00 - RM 15.00
44	Thermal Gravimetric Analyzer (TGA)	Per Sampel	RM 150.00 - RM 230.00
45	High Pressure Nano Homogenizer	Per Sampel	RM 110.00 - RM 146.00
46	Pulverisette	Per Jam	RM 40.00 - RM 69.00
47	Cold Room	Per Hari	RM 60.00 - RM 115.00
48	Limiting Oxygen Index (LOI) Tester	Per Sampel	RM 200.00 - RM 385.00
49	UL94 Horizontal & Vertical Burning	Per Sampel	RM 180.00 - RM 345.00
50	Micrometermax 10 rep	Per Sampel	RM 85.00 - RM 160.00
51	Viscometer	Per Sampel	RM 40.00 - RM 75.00
52	Grammage	Per Sampel	RM 145.00 - RM 280.00
53	Paper Tensile	Per Sampel	RM 150.00 - RM 300.00
54	Micrometer	Per Sampel	RM 85.00 - RM 160.00
55	Moisture Content	Per Sampel	RM 75.00 - RM 150.00
56	Rotary Evaporator	Per Sampel	RM 80.00 - RM 155.00
57	Centrifudge	Per Sampel	RM 80.00 - RM 130.00
58	Hot Press 50 Tonne	Per Sampel	RM 105.00 - RM 204.00

SENARAI HARGA ANAK POKOK HUTAN

NO.	PRODUK	UNIT	SAIZ (METER)	KADAR HARGA
Pokok Hutan				
1	Ramis melawis	Per unit	0.5-1.0	RM 10.00 - RM 15.00
2	Jambu laut	Per unit	0.5-1.0	RM 10.00 - RM 15.00
3	Merbau	Per unit	0.25-0.4	RM 11.00 - RM 17.00
4	Meranti tembaga (<i>Shorea /eprosula</i>)	Per unit	0.25-0.4	RM 11.00 - RM 17.00
5	Meranti langgong (<i>Shorea lepidota</i>)	Per unit	0.25-0.4	RM 11.00 - RM 17.00
6	Balau laut (<i>Shorea g/auca</i>)	Per unit	0.25-0.4	RM 8.00 - RM 11.00
7	Chengal (<i>Neobalanocarpus heimii</i>)	Per unit	0.5-1.0	RM 8.00 - RM 11.00
8	Resak laru (<i>Vatica pauciflora</i>)	Per unit	0.5-1.0	RM 8.00 - RM 11.00
Pokok Hiasan/Landskap				
9	Kapur (<i>Dryobalanops aromatica</i>)	Per unit	0.5-1.0	RM 8.00 - RM 11.00
10	Merawan siput jantan (<i>Hopea odorata</i>)	Per unit	0.5-1.0	RM 10.00 - RM 15.00
11	Balian (<i>Eusideroxylon zwageri</i>)	Per unit	0.5-1.0	RM 10.00 - RM 15.00
12	Pogamia (<i>Pogamia pinnata</i>)	Per unit	0.25-0.4	RM 9.00 - RM 13.00
13	Kela! paya (<i>Syzygium myrtifolium</i>)	Per unit	0.5-1.0	RM 9.00 - RM 13.00
14	Tulang Daing (<i>Ca/erya artopurpurea</i>)	Per unit	0.25-0.4	RM 9.00 - RM 13.00
15	Ashoka (<i>Po/yalthia longifolia</i>)	Per unit	0.25-0.4	RM 9.00 - RM 13.00
Pokok Buah-Buahan				
16	Doa (<i>Tenninalia mantaly</i>)	Per unit	0.1-0.3	RM 10.00 - RM 15.00
17	Manggis jepun (<i>Garcinia e/liptica</i>)	Per unit	0.25-0.4	RM 9.00 - RM 13.00
18	Asam getugor (<i>Garcinia atroviridis</i>)	Per unit	0.1-0.3	RM 13.00 - RM 19.00
19	Binjai (<i>Mangifera caesia</i>)	Per unit	0.25-0.4	RM 10.00 - RM 15.00
20	Terap Borneo (<i>Artocarpus odoratissimus</i>)	Per unit	0.1-0.3	RM 10.00 - RM 15.00
21	Nangka (<i>Artocarpus heterophy/lus</i>)	Per unit	0.25-0.4	RM 11.00 – RM 17.00
22	Nona (<i>Annona reticu/ata</i>)	Per unit	0.25-0.4	RM 9.00 - RM 13.00
	Pokok Tin (<i>Ficus spp.</i>)			

23	Borjousotte noire	Per unit	0.25-0.4	RM 120 - RM 165.00
24	Purple jordan	Per unit	0.1-0.2	RM 120 - RM 165.00
25	BK2	Per unit	0.1-0.2	RM 100 - RM 143.00
26	Super Jumbo Long	Per unit	0.1-0.2	RM 140 - RM 198.00
27	Masui Dauphine	Per unit	0.3-0.5	RM 85.00 - RM 121.00

HARGA BAGI PRODUK/SEWAAN

BIL	PERALATAN / PERKHIDMATAN	UNIT	KADAR HARGA
1.	PUTRA FRAME	1	RM 35.00
2.	Sewaan Rumah Persekitaran Terkawal (CES) - 30' x 40' (1200 sq ft)	RM1.20 per sq ft/month	RM 1.440.00 - RM 2.057.00
3.	Sewaan Tapak Semaian (Rumah Teduhan Berjaring) - 18' x 50' (900 sq ft) = 83.61m2	RM1.20 m2/month	RM 100.00 - RM 143.00