

KADAR CAJ PERKHIDMATAN PENGUJIAN*TESTING SERVICES CHARGES*

NO.	PENGUJIAN TESTING	CAJ CHARGES (RM)		CATATAN REMARKS
1.	Bending Strength (3-point static bending)	100.00	/set – max 10 pcs	
2.	Bending Strength (4-point static bending)	150.00	/set – max 10 pcs	
3.	Internal Bonding	150.00	/set – max 10 pcs	Biocomposite
4.	Moisture Content	50.00	/set – max 10 pcs	
5.	Density	50.00	/set – max 10 pcs	
6.	Thickness Swelling	80.00	/set – max 10 pcs	
7.	Tensile Strength	100.00	/set – max 10 pcs	
8.	Izod Impact Test	150.00	/set – max 10 pcs	Biocomposite
9.	Fibre Tensile + microscopic	100.00	/sample	Fibre
10.	Contact Angle	50.00	/sample	Biokomposit & solid
11.	Surface Roughness	50.00	/set – max 10 pcs	
12.	Density Profile	200.00	/set – max 5 pcs	
13.	TGA – Thermogravimetric Analyzer	100.00	/sample	Sample in powder form
14.	DSC – Differential Scanning Calometry	150.00	/sample	Solid/liquid
15.	<u>Formaldehyde Emission</u>			
	- Desiccator JAS 1751:2008	200.00	/set	Plywood
	- Desiccator JIS1460:2001	200.00	/set	Building Board
	- Desiccator ISO 12460-4:2016 / MS 1787-15	200.00	/set	Wood Based Panel
	- Desiccator MTIB-CB-PS-01	200.00	/set	Building Board
	- Perforator EN 120 / ISO 12460-5 / MS 1787-14	250.00	/sample	Included moisture content analysis
	- Gas Analyser EN 717-2 / ISO 12460-3	350.00	/sample – max 2 pcs	Wood Based Panel

Tarikh kemaskini : 2 Disember 2022

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	- 1m ³ Chamber for Volatile Organic Compound (VOC) Test	500.00	/run	
	- 1m ³ Chamber for Formaldehyde Test (ASTM 6007)	500.00	/sample	
	- 1m ³ Chamber for Formaldehyde Test (EN717-1, ISO 12460-1)	150.00	/day (maksimum 28 days)	Wood Based Panel
	-24m ³ Chamber	1,000.00	/run	Wood Based Panel
	-Micro Chamber	200.00	/run	Wood Based Panel
16.	Nail Withdraw	100.00/face	/set – max 10 pcs	
17.	Screw Withdrawal	100.00/face 100.00/edge	/set – max 10 pcs	
18.	Surface Soundness	150.00	/set – max 10 pcs	
19.	Thermal Conductivity	100.00	/sample	
20.	Chemical Composition	1000.00	/sample	
21.	<u>FTIR</u>			
	- KBR	120.00	/sample	Solid
	- ATR	120.00	/sample	Solid
22.	Abrasion	50.00	/sample	
23.	Furnace (Ash Content)	100.00	/sample	
24.	Fiber Morphology + Microscopic	300.00	/sample	Fibre
25.	Microscopic Wood Identification	50.00	/sample	
26.	Slide Preparation (Wood Anatomy)	100.00	/sample	
27.	<u>Shear Plywood</u>		/set – max 10 pcs	
	- 5.1.1 MR (24 hours)	100.00		Plywood
	- 5.1.2 6 hours (short cyclic)	150.00	/set – max 10 pcs	

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	- 5.1.3 CYCLIC	200.00	/set – max 10 pcs	Plywood
	- 5.1.4 WBP (72 hours)	150.00	/set – max 10 pcs	
28.	Shear Block	100.00	/set – max 10 pcs	Solid wood
29.	Hardness	100.00	/set – max 10 pcs	Solid Wood
30.	Compression	100.00	/set – max 10 pcs	Solid Wood
31.	UV Weathering Test	5.00	hour/sample	
32.	Gel Permeation Chromatography (GPC)	200.00	/sample	
33.	Melt Flow Index	50.00	/sample	
34.	Viscometer	25.00	/sample	
35.	Moisture Analyser	25.00	/sample	
36.	Dimension Stability	150.00	/set – max 5 pcs	Solid Wood
37.	Glossy Test	60.00	/sample	
38.	Coloring Test	50.00	/sample	
39.	Air Permeability Test	50.00	/sample	
40.	Burst Test	50.00	/sample	
41.	Tear Test	50.00	/sample	
42.	Postage of Test Report:			
	i) Semenanjung Malaysia	20.00	/envelope	
	ii) Sabah/Sarawak	30.00	/envelope	