

**KADAR CAJ BAGI PERKHIDMATAN PENGUJIAN DI MAKMAL FIDEC**

**JADUAL 1**

<b>NO.</b>	<b>JENIS PENGUJIAN</b>	<b>CAJ PENGUJIAN (RM)</b>		<b>CATATAN</b>
1.	Bending Strength	100.00	/set – max 10	
2.	Internal Bonding	150.00	/set – max 10	Biokomposit
3.	Moisture Content	50.00	/set – max 10	
4.	Density	50.00	/set – max 10	
5.	Thickness Swelling / water absorption	80.00	/set – max 10	
6.	Tensile Strength	100.00	/set – max 10	
7.	Izod Impact Test	100.00	/set – max 10	Biokomposit
8.	Fibre Tensile + microscope	100.00	/sample	Fiber
9.	Contact Angle	50.00	/sample	Biokomposit & Solid
10.	Surface Roughness	50.00	/set – max 10	
11.	Density Profile	200.00	/set – max 5	
12.	TGA – Thermogravimetric Analyzer	100.00	/sample	Sampel Dalam Bentuk Powder
13.	DSC – Differential Scanning Calometry	150.00	/sample	
14.	<u>Formaldehyde Emission</u>		/set	
	- JAS 1751:2008	150.00/sampel		Plywood
	- JIS 1460:2001	150.00/sampel	/set	Building Board
	- ISO 12460-4:2016	150.00/sampel	/set	Wood Based Panel
	- MTIB-CB-PS-01:	150.00/sampel	/set	Building Board
	- Perforator / EN 120 / ISO 12460-5	150.00/sampel	/set	Wood Based Panel Kecuali WPC
	- Gas Analyser / EN 717-2 / ISO 12460-2	350.00/sampel	/set – max 2	Wood Based Panel
- 1 m <sup>3</sup> Chamber / EN 717-1 / ISO 12460-1	500.00/sampel	/sample	Wood Based Panel	
15.	Nail Withdraw	100.00	/set – max 10	
16.	Screw Withdrawal	100.00	/set – max 10	
17.	Surface Soundness	100.00	/set – max 10	
18.	Thermal Conductivity	50.00	/sample	
19.	Chemical Composition	500.00		
20.	<u>FTIR</u>			
	- KBR	120.00	/sample	Solid
	- ATR	120.00	/sample	Solid

NO.	JENIS PENGUJIAN	CAJ PENGUJIAN (RM)		CATATAN
21.	Abrasion	50.00	/sample	
22.	Furnace (Ash Content)	100.00	/sample	
23.	Fiber Morphology + Microscope	100.00	/sample	Fiber
24.	Microscope Wood Identification	50.00	/sample	
25.	Slide Preparation Anatomy	100.00	/sample	
26.	<u>Shear Plywood</u>		/set – max 10	Plywood
	- 5.1.1 MR (24 hours)	100.00		
	- 5.1.2 6 hours (short cyclic)	150.00	/set – max 10	
	- 5.1.3 CYCLIC	200.00	/set – max 10	
	- 5.1.4 WBP (72 hours)	150.00	/set – max 10	
27.	Shear Block	50.00	/set – max 10	Solid Wood
28.	Hardness	50.00	/set – max 10	Solid Wood
29.	Compression	50.00	/set – max 10	Solid Wood
30.	UV Weathering Tester	5.00/jam	/sample	
31.	Gel Permeation Chromatography (GPC)	200.00	/sample	
32.	Melt Flow Index	50.00	/sample	
33.	Viscometer	25.00	/sample	
34.	Moisture Analyser	10.00	/sample	
35.	Dimension Stability	150.00	/set – max 5	Solid Wood
36.	Glossy Test	60.00	/sample	
37.	Coloring Test	50.00	/sample	
38.	Air Permeability Test	50.00	/sample	
39.	Burst Test	50.00	/sample	
40.	Tear Test	50.00	/sample	
41.	Volatile Organic Compound (VOC) Test	1000.00	/compound	
42.	Microchamber	200.00	/run	
43.	1m <sup>3</sup> chamber	500.00	/run	
44.	24m <sup>3</sup> Chamber	1000.00	/run	
45.	4-point Static Bending	150.00	/set	Max 10 Samples
46.	Postage of Test Report:			
	i) Semenanjung Malaysia	20.00	/sampul	
	ii) Sabah/Sarawak	30.00	/sampul	

## LAIN-LAIN PERKHIDMATAN DAN BAHAN MENTAH

**JADUAL 2**

NO	JENIS BAHAN MENTAH	HARGA (RM)	UNIT
1.	Urea Formaldehyde (UF)	5.00	/kg
2.	Phenol Formaldehyde (PF)	10.00	/kg
3.	Melamine Urea Formaldehyde (MUF)	10.00	/kg
4.	Phenol Resorcinol Formaldehyde (PRF)	50.00	/kg
5.	High Density Polypropylene (HDPP)	5.00	/kg
6.	High Density Polyethylene (HDPE)	5.00	/kg
7.	Wood chip	5.00	/kg
8.	Saw dust	5.00	/kg
9.	Veneer (1'x 1')	5.00	/pcs
10.	Natural Fibre	30.00	/kg