

PERKARA : KADAR CAJ PERKHIDMATAN ANALISIS YANG DITAWARKAN OLEH
INSTITUT TEKNOLOGI MAJU (ITMA), UNIVERSITI PUTRA
MALAYSIA

KEPUTUSAN : BIL. 1 (2020) 05 FEBRUARI 2020
JAWATANKUASA
TETAP KEWANGAN
(JKTK)

MINIT : MINIT 15/1 (2020)

Kadar Perkhidmatan Analisis Institut Teknologi Maju (ITMA)

Bil	Perkhidmatan	Unit	Kategori A (RM)	Kategori B (RM)	Kategori C (RM)
1	Field Emission Scanning Electron Microscope (FESEM)	jam	400.00	450.00	500.00
			-	-	-
2	Energy Dispersive X-Ray (EDX) (point)	sampel	520.00	585.00	650.00
			75.00	110.00	145.00
	-		-	-	
	97.50		143.00	188.50	
	Energy Dispersive X-Ray (EDX) (mapping)		110.00	160.00	210.00
	-		-	-	
143.00	208.00	273.00			
3	Sputter Coater	run	75.00	110.00	145.00
			-	-	-
97.50	143.00	188.50			
4	Nano Sizer	sampel	35.00	52.00	69.00
			-	-	-
45.50	67.60	89.70			
5	RAMAN Spectroscopy (spot)	sampel	60.00	80.00	100.00
			-	-	-
	78.00		104.00	130.00	
	150.00		215.00	280.00	
	-		-	-	
	195.00		279.50	364.00	
RAMAN Spectroscopy (mapping / depth scanning)	sampel/jam pertama	200.00	265.00	330.00	
		-	-	-	
260.00	344.50	429.00			
	jam seterusnya	200.00 - 260.00			
RAMAN Spectroscopy (linescan/ time series / depth scanning)	sampel	180.00	235.00	290.00	
		-	-	-	
234.00	305.50	377.00			

Bil	Perkhidmatan	Unit	Kategori A (RM)	Kategori B (RM)	Kategori C (RM)
6	UTM	set	40.00	55.00	70.00
			-	-	-
			52.00	71.50	91.00
7	Vector Network Analyzer (VNA)	sampel	140.00	200.00	260.00
			-	-	-
			182.00	260.00	338.00
8	Hysteresis Graph System	sampel	45.00	65.00	85.00
			-	-	-
			58.50	84.50	110.50
9	Impedance Analyzer	sampel	45.00	65.00	84.00
			-	-	-
			58.50	84.50	110.50
10	Naberthem Furnace - 1100°C or below	run	80.00	120.00	160.00
			-	-	-
	104.00		156.00	208.00	
	-		-	-	
Naberthem Furnace - 1200°C and above	110.00	143.00	210.00		
	-	-	-		
			143.00	208.00	273.00
11	Muffle Furnace - 1100°C or below	run	80.00	120.00	160.00
			-	-	-
	104.00		156.00	208.00	
	-		-	-	
Muffle Furnace - 1200°C and above	110.00	160.00	210.00		
	-	-	-		
			143.00	208.00	273.00
12	Carbolite Furnace - 1100°C or below	run	80.00	120.00	160.00
			-	-	-
	104.00		156.00	208.00	
	-		-	-	
Carbolite Furnace - 1200°C and above	110.00	160.00	210.00		
	-	-	-		
			143.00	208.00	273.00
13	Ball Mill	hari	20.00	30.00	40.00
			-	-	-
			26.00	39.00	52.00
14	Planetary Micro Mill	hari	30.00	30.00	30.00
			-	-	-
			39.00	39.00	39.00
15	High Energy Ball Mill	hari	30.00	45.00	60.00
			-	-	-
			39.00	58.50	78.00
16	Thermogravimetric Analyzer (TGA/DSC) - 1000°C or below AND below than 97.5 minutes per run	sample	120.00	160.00	200.00
			-	-	-
			156.00	208.00	260.00

Bil	Perkhidmatan	Unit	Kategori A (RM)	Kategori B (RM)	Kategori C (RM)
	Thermogravimetric Analyzer (TGA/DSC) - above 1000 ^o c Or more than 97.5 minutes per run		150.00 -	190.00 -	230.00 -
			195.00	247.00	299.00
	Thermogravimetric Analyzer (TGA/DSC) - more than 147.5 minutes per run		200.00 -	240.00 -	280.00 -
			260.00	312.00	364.00
17	Atomic Absorption Spectroscopy (AAS)	elemen	60.00 -	75.00 -	90.00 -
			78.00	97.50	117.00
18	Surface Area Analyzer (BET)	sampel	150.00 -	255.00 -	360.00 -
			195.00	331.50	468.00
19	UV Visible Spectrophotometer (UV-Vis)	jam	12.00 -	20.00 -	28.00 -
			15.60	26.00	36.40
20	Fourier Transform Infrared (FTIR)	sampel	75.00 -	110.00 -	145.00 -
			97.50	143.00	188.50
21	Gas Chromatography (GC)	sampel	45.00 -	80.00 -	115.00 -
			58.50	104.00	149.50

Kategori A : Kakitangan Universiti, Pelajar, Persatuan UPM dan Anak Syarikat UPM

Kategori B : Kerajaan / Badan Berkanun / Agensi Kerajaan

Kategori C : Badan Perniagaan Kerajaan / Swasta / Persendirian / Koperasi / Orang Awam

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