

BIL	MAKMAL	JENIS ANALISIS/CATATAN	UNIT/ JENIS CAJ	KADAR CAJ (RM)	
				UPM	AGENSI KERAJAAN
1	MAKMAL BIOLOGI MOLEKUL DAN BIOINFORMATIK (BMBL)	Extraction of Nucleic Acid from blood	1 sampel	310.00	330.00
		Determination of Quality and Quantity Nucleic Acid	1 sampel	87.00	107.00
		Automated RNA Extraction	1 sampel	310.00	330.00
		Automated DNA Extraction Except blood sample	1 sampel	310.00	330.00
2	MAKMAL PENYELIDIKAN STEM SEL (SCRL)	Analisis, pengasingan dan pengkulturan sel	Per sesi (4Jam)	1,750.00	1,925.00
		Pengasingan sel (cell sorting) menggunakan mesin	Per jam (1 jam)	240.00	264.00
		Sistem pengimejan menggunakan mikroskopi	Per jam	63.00	70.00
		Sistem pengimejan menggunakan mikroskopi fasa	per jam	36.00	40.00
		Fasiliti Kultur Sel Stem	per	330.00	360.00
		Fasiliti penyimpanan sel di dalam tangki cecair	per vial/year	8.00	10.00
		Autoclave	per run	15.00	20.00
3	MAKMAL PENYELIDIKAN GENETIK PERUBATAN (MGL)	Genomic DNA Extraction from human blood (whole	1 sampel	137.00	143.00
		RNA Extraction using Trizol	1 run	192.00	210.00
		cDNA Synthesis	1 sampel	115.00	130.00
		qPCR Assay development and validation	1 gene	845.00	880.00
		Verification of cDNA and RNA quality with Agarose Gel	1 run	60.00	65.00
		Full report for RTqPCR/ RNA	1 req	200.00	215.00
		Agarose Gel Electrophoresis	1 run	12.50	13.50
		Gel Image Printing on Thermal Paper	1 usage/	12.50	13.50
		PCR Laminar Flow	1 usage	10.00	12.00
		Biosafety Cabinet	1 usage	18.00	21.00
		CO2 Incubator	1 usage	10.00	11.50
		SDS-PAGE system (Western Blot) + Trans-Blot Turbo	per run	10.00	10.00
		Fasiliti kultur Sel Stem	per	330.00	360.00
		Inverted Microscope	per hour	19.00	21.00
		Fasiliti penyimpanan sel di dalam tangki cecair nitrogen	per vial/year	8.00	10.00
		Real time PCR System Access	per run	55.00	60.00

		PCR Machine (LC480)	per hour	40.00/ hour	44.00/ hour
		biospectrometer	per sample	2.50	3.00
		conventional PCR/cDNA synthesis	per hour	11.00	12.00
		gel documentation	per gel	5.00/usage or	5.50/usage or
		seminar room	no	no	15.00
		Autoclave	per run	15.00	20.00
4	MAKMAL FISILOGI	Microplate Reader w Fluorescence Detector	Per run/plate	12.00/Plate	-
		Freezer (Ultra Low) -80C - SANYO	Per day	10.00	-
		Freezer (Biomedical) -30C - SANYO	Per day	10.00	-
		Sonicator - KUDOS	Per run	8.00	-
		Inverted Microscope - OLYMPUS	Per usage	20.00	-
		Rotary Evaporator - IKA	Per hour	20.00	-
		Liquid Nitrogen Tank	Per usage	12.00	-
		Grinder	Per usage	10.00	-
		Grinding and Pulverizing Machine	Per usage	10.00	-
		Top Loading Balance - XB2200C - Precisa	Per usage	3.00	-
		Analytical Balance - GR200 - AND	Per usage	3.00	-
		Analytical Balance - GR202 - AND	Per usage	3.00	-
		Analytical Balance - TX323L - Shimadzu	Per usage	3.00	-
		Electronic Digital Precision Balance - GF3000 - AND	Per usage	3.00	-
		Handy pH Meter - EUTECH	Per usage	3.00	-
		Waterbath - MEMMERT	Per usage	10.00	-
5	MAKMAL BIKIMIA	ELISA Microplate Reader (Biotek)	Per Plate	10	12
		Rotary Evaporator	Per hour	20.00	
		Autoclave	Per Run	15	20
		Cell Culture Facilities	Per week	300	330
6	MAKMAL PENYELIDIKAN SAINS BIOPERUBATAN	PCR Thermal Cycler(BioRad)	Per Hour	30	35
		Real Time PCR (RT PCR)(MultiGene)	Per Hour	99	109
		Complete Slab Gel Drying	Per Hour	5	10

7	MAKMAL ISYARAT SEL	Nanodrop	Per Sample	22	24
		MICROSCOPE COMPOUND WITH FLUORESENCE AND DI	Per hour	40	45
		COMPOUND BINOCULAR MICROSCOPE (LEICA DM500)	Per hour	18	20
		INVERTED MICROSOP (LEICA DMIL LED)	Per hour	18	20
		HIGH SPEED CENTRIFUGE (MPW-350R)	Per hour	60	80
		LABORATORY CENTRIFUGE (MPW 351R)	Per hour	40	50
		BENCH TOP REFRIGERATED CENTRIFUGE (HETTICH)	Per hour	50	60
		MAGNETIC STIRRER (FAVORIT ST 0707V2)	Per hour	15	17
		BALANCE (PRECISA XT 220A)	Per Use	3	5
		PORTABLE PH METER (METTLER TOLEDO ROSS FG2)	Per Use	3	5
		MICROPLATE READER (TECAN INFINITE F50)	Per plate	11	12
		AUTOCLAVE PACKING (TOMY ES 315)	Per run	15	20
		MICROBIOLOGICAL SAFETY CABINET (BIOAIR TOPSAFE 1	Per hour	10	13
		CARBON DIOXIDE INCUBATOR	Per day/ per flask	5	8
		BENCH FEE FOR CELL CULTURE FACILITIES	Per week	300	330
		CELL CULTURE TRAINING	er training packag	800	850
		MAMMALIAN CELL BANKING	Per flask	500	600
		GEL IMAGING AND DOCUMENTATION SYSTEM	Per gel	12	15
		TRANS-BLOT SD SEMI-DRY ELECTROPHORETIC	Per hour	45	50
		SUB-CELL GT SYSTEM (BIO-RAD/170-4483)	Per hour	45	50
SDS-PAGE	Per run	180	200		
-86°C FREEZER UPRIGHT FREEZER (RS BIOTECH ECLIPSE)	Per week/ per liter	30	40		
LIQUID NITROGEN STORAGE FREEZER (CRYOSYSTEM 20	Per week	8 per vial	10 per vial		
8	LAB MICROBIOLOGY	THERMAL CYCLER	Hour	25	30
		EPPENDORF CENTRIFUGE 5424R	Hour	Per hour	40
		INCUBATOR	Day	10	12
9	PHARMACOLOGY	Refrigerated microcentrifuge	5.00/run	7.00/run	8.00/run
		Orbital shaker	10.00/hari	13.00/hari	15.00/hari
		Tissue homogenizer	2.00/sampel	3.00/sampel	5.00/sampel
		Rat metabolic cages	2.00/hari	3.00/hari	5.00/hari
		Rotary evaporator	250.00/sampel	319.0/sampel	351.0/sampel

Skin analyzer	20.00/jam	50.00/jam	100.00/jam
Mutagenic assay (AMES test)	100.00/sampel	120.00/sampel	150.00/sampel
Antioksidan assay - FRAP	100.00/sampel	200.00/sampel	250/sampel
Antioksidan assay - ABTS	100.00/sampel	200.00/sampel	250/sampel
Antioksidan assay - DPPH	100.00/sampel	200.00/sampel	250/sampel
Antioksidan assay - SOD	100.00/sampel	200.00/sampel	250/sampel
Antioksidan assay - GSH	100.00/sampel	200.00/sampel	250/sampel

PELANGGAN SWASTA	PYB	CATATAN
360.00	Hazlen saleh	
147.00	Hazlen saleh	
360.00	Hazlen saleh	
360.00	Hazlen saleh	
2,100.00	Izarul Hakim Rahmad	
288.00	Izarul Hakim Rahmad	
77.00	Izarul Hakim Rahmad	
44.00	Izarul Hakim Rahmad	
400.00	Izarul Hakim Rahmad	
15.00	Izarul Hakim Rahmad	
30.00	Izarul Hakim Rahmad	
300.00	Fariza Zainul Abidin	
250.00	Fariza Zainul Abidin	
150.00	Fariza Zainul Abidin	
900.00	Fariza Zainul Abidin	
85.00	Fariza Zainul Abidin	
260.00	Fariza Zainul Abidin	
15.50	Fariza Zainul Abidin	
15.50	Fariza Zainul Abidin	
15.00	Fariza Zainul Abidin	
27.00	Fariza Zainul Abidin	
15.00	Fariza Zainul Abidin	
11.00	Fariza Zainul Abidin	
400.00	Fariza Zainul Abidin	
23.00	Fariza Zainul Abidin	
15.00	Fariza Zainul Abidin	
65.00	Fariza Zainul Abidin	

48.00/ hour	Fariza Zainul Abidin	
3.50	Fariza Zainul Abidin	
13.00	Fariza Zainul Abidin	
6.00/usage or	Fariza Zainul Abidin	
20.00	Fariza Zainul Abidin	
30.00	Fariza Zainul Abidin	
-	Hasnijah Alias @Yaakub	
-	Hasnijah Alias @Yaakub	
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-	Hasnijah Alias @Yaakub	
-	Hasnijah Alias @Yaakub	
-	Hasnijah Alias @Yaakub	
13	Nor Aishah Norsabarudin	
	Nor Aishah Norsabarudin	
30	Nor Aishah Norsabarudin	
360	Nor Aishah Norsabarudin	
35	Nurul Munirah Manan	
120	Nurul Munirah Manan	
	Nurul Munirah Manan	

26	Nurul Munirah Manan	
50	Zulkhairi Zainol	
22	Zulkhairi Zainol	
22	Zulkhairi Zainol	
100	Zulkhairi Zainol	
60	Zulkhairi Zainol	
70	Zulkhairi Zainol	
19	Zulkhairi Zainol	
7	Zulkhairi Zainol	
7	Zulkhairi Zainol	
13	Zulkhairi Zainol	
30	Zulkhairi Zainol	
15	Zulkhairi Zainol	
10	Zulkhairi Zainol	
360	Zulkhairi Zainol	
900	Zulkhairi Zainol	
700	Zulkhairi Zainol	
20	Zulkhairi Zainol	
55	Zulkhairi Zainol	
55	Zulkhairi Zainol	
220	Zulkhairi Zainol	
50	Zulkhairi Zainol	
15 per vial	Zulkhairi Zainol	
35	Muhammad Sabri Mohd	
50	Muhammad Sabri Mohd	
15	Muhammad Sabri Mohd	
10.00/run	Nora Asyikin Mohd Salim	
17.00/hari	Nora Asyikin Mohd Salim	
7.00/sampel	Nora Asyikin Mohd Salim	
7.00/hari	Nora Asyikin Mohd Salim	
387.00/sampel	Nora Asyikin Mohd Salim	

