



**LABORATORIUM MINERAL DAN MATERIAL MAJU
FMIPA UNIVERSITAS NEGERI MALANG (UM)**

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TARIF PENGUJIAN SAMPEL PER BULAN MEI 2023

No	Jenis Pengujian	Mahasiswa (Rp)		Satuan	Instansi / Swasta (Rp)	
1	SEM Phenom *	200,000		Sampel	300,000	
2	SEM	450,000		Sampel	500,000	
3	SEM-EDX	550,000		Sampel	600,000	
4	SEM-EDX-Mapping	650,000		Sampel	700,000	
5	XRF	250,000		Sampel	350,000	
6	XRF-Helium	275,000		Sampel	375,000	
7	XRF + Filter	275,000		Sampel	375,000	
8	FTIR	200,000		Sampel	200,000	
9	XRD	300,000 *		Sampel	500,000 *	
10	GCMS *	350,000		Sampel	350,000	
11	TOC	200,000		Sampel	200,000	
12	UV-Vis : Abs / Trans	50,000		Sampel	50,000	
13	UV-Vis : Reflektan	100,000		Sampel	100,000	
14	Ellipsometer	100,000 *		Sampel	100,000 *	
15	DTA/TGA (≤ 600 °C)	400,000		Sampel	400,000	
16	DTA/TGA (601°C - 1000 °C)	500,000		Sampel	500,000	
17	DTA/TGA (suhu ≥ 1000 °C)	600,000		Sampel	600,000	
18	TRI ARC Melting *	700,000		Sampel	700,000	
19	Suseptibility *	100,000		Sampel	100,000	
20	Potensiostat	100,000		Sampel	100,000	
21	Solar Simulator (I-V measurement & Efisiensi Solar Cell)	100,000		Sampel	100,000	
22	Furnace	50,000		Jam	50,000	
23	Furnace Tube *	75,000		Jam	75,000	
24	GPR	1,500,000		Hari	1,500,000	
25	Ultrasonic Bath	50,000		Jam	50,000	
26	Autoclave	50,000		Running	50,000	
27	Centrifuge / Microsentrifuge	15,000		Running	25,000	
28	Coating Au-Pd	250,000		Coating	250,000	
29	Uji Semen-Pasir	500,000 *		Paket	500,000 *	
30	Viscometer	75,000		Sampel	100,000	
31	HANNA (Kualitas Air)	200,000		Sampel	200,000	
32	COD	150,000		Sampel	200,000	
33	Gradient PCR	50,000		Running	50,000	
34	Real Time PCR	250,000		Running	250,000	
35	Gel Documentation	20,000		Running	20,000	
36	Elektroferesis Horisontal	60,000		Running	60,000	
37	Elektroferesis Vertikal	60,000		Running	60,000	
38	Nanodrop Spectrofotometer	25,000		Running	25,000	
39	Microbial Incubator	10,000		Running	10,000	
40	Biological Safety Cabinet (BSC)	10,000		Running	10,000	
41	Analitical Balance	5,000		Running	5,000	
42	pH Meter	5,000		Running	5,000	
43	Mikroskop	10,000		Running	10,000	
44	Isolasi DNA Universal KIT	300,000		Running	300,000	
45	Anti Bakteri	150,000		Sampel	150,000	
46	Anti Oksidan (DPPH)	150,000		Sampel	150,000	
47	Kadar Air	50,000		Running	50,000	
48	Sewa Ruang Penelitian di Lab Pangan dan Kesehatan	300,000		orang/bulan	300,000	

Belum termasuk PPN 11%

* Belum termasuk biaya preparasi dan analisa

* **Alat sedang trouble belum bisa menerima pengujian**