

**DAFTAR ALAT LABORATORIUM  
PENELITIAN DAN PENGEMBANGAN MATERIAL KEDOKTERAN GIGI  
FAKULTAS KEDOKTERAN GIGI UNIVERSITAS INDONESIA**

NO.	NAMA ALAT / JENIS BARANG	MEREK / TIPE	KETERANGAN
	PERALATAN UJI		
1	Universal Testing Machine	Shimadzu AG-5000E, Japan	Load Cell 50 Kg, 100 Kg, 250 Kg, 500 Kg, 1000 Kg, 2500 Kg, 5000 Kg
2	Micro Hardness Tester	Shimadzu HMV-2, Japan	Indenter <i>Vickers, Knoop</i> atau <i>Brinell</i> . Load 10 g, 25 g, 50 g, 100 g, 200 g, 300 g, 500 g, 1 Kg, 2 Kg
3	Surface Roughness Tester	Mitutoyo SJ 301	Parameter Ra, Ry, Rz, Rq
4	Colorimeter	3NH 310 (Portable Model)	Metode CIE $L^*a^*b^*C^*h^*$ / CIE $L^*a^*b^*$
5	Glossmeter	Rhopoint Novo Curve Benchtop Glossmeter	Angle 60°
6	Stereomicroscope Camera	Nikon, SMZ800, Japan	Alat dilengkapi dengan kamera.
7	Inverted Metallurgical Microscope	Ephiphot-TME/Nikon, japan	Alat dilengkapi dengan CCTV, kamera dan printer.
		Ephiphot-300 Nikon, japan	
8	Benchtop pH Meter	Thermo Scientific Orion Star A211	<i>Standard Probe</i> <i>Micro Probe, minimum deep of immersion 4,5 mm</i>
9	Vicat Needle	PT. MBT Utama, Indonesia	Alat uji <i>setting time</i> produk <i>Gypsum</i> .
10	Setting Extensometer	Mitutoyo	Alat uji <i>setting expansion Gypsum</i> . Alat dilengkapi dengan <i>Digimatic Indicator</i>
PERALATAN PENUNJANG			
1	Grinding/Polishing Machine	LaboPol-21, Struers, Denmark	Alat dilengkapi dengan berbagai bahan abrasif
2	Cutting Machine	Struers, Accutom 2	<i>Diamond Cut - of Wheel</i> 0.2 mm, 0.3mm, 0.4mm
3	Incubator	Thermo Scientific Heratherm IMH60	<i>Temperature ambient + 5°C to 105°C</i> ( <i>Ambient at 25°C</i> )
4	Ring Furnace	Sa-902 Yoshida Dental Mfg Japan	Suhu pembakaran mencapai 1200 °C
5	Amalgamator	Ultramat-2 SDI	Untuk mencampur merkuri dan dental amalgam <i>alloys</i>
6	Dental Vibrator	Porex, Germany	
7	Model Trimer	Faro, Italy	
8	Ultrasonic Cleaner	Cole Parmer 8891	
9	Analytical Balance	Shimadzu AX 200	Kapasitas berat maksimal 200 g, Pembacaan 4 digit dibelakang koma
10	Stirring Hot Plate	Thermo Scientific Nuova SP 126Q	
11	Light Curing Unit	LEDMAX-Hilux	LED
		Elipar TM S10, 3M	
12	Digital Caliper	Mauser	<i>Measuring range</i> 0 - 150mm/0-6inch
		Mittotoyo 500-171-30	<i>Minimum indication</i> 0.01mm/0.0005inch
13	Digital Micrometer	Mittotoyo 293-330	<i>Resolution</i> 0.001mm <i>Measuring range</i> 25mm
14	Thermocouple Thermometer	Krisbow KW06-283	Suhu -50°C sampai 1300°C
		Fluke type 179	Suhu -40°C sampai 400°C
15	Movable Minijet	DCI, USA	<i>Handpiece Low Speed, Hight Speed, three way syringe</i>

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