

**Daftar Kebutuhan Peralatan Laboratorium BP2MB
Dinas Kehutanan dan Perkebunan Kabupaten Sukabumi
Tahun Anggaran 2015**

No.	Nama Alat	Vol.	Satuan	Spesifikasi	Harga Satuan	Jumlah Harga
1	Rak Kultur	2	unit	Panjang: 1 meter Lebar: 60 centimeter Tinggi : 2 meter Rak 5 Lampu setiap rak TL 20 Watt	7.150.000	14.300.000
2	Laminair Air Flow	3	unit	Material : Multiplex 15mm Alas Meja Kerja : Stainless Steel Front Cover : Acrylic UV Lamp : 1 x 15 Watt 1 x 30 Watt TL Lamp : 1 x 15 Watt 1 x 20 Watt fluorescent lamp Kabin : Multiplex soft finish Airflow : Velocity 0.45 m/ S - 0.70 m/ S Filter : Prefilter & Hepa Filter Warna : Warna Tidak Mengikat/sesuai pesanan Optional : Support Stand Dimensi (p x l x t) : 100 x 80 x 120 cm, Blower : ½ PK	12.650.000	37.950.000
3	Orbital Shaker	1	unit	Platform Type : Standard : Silicon rubber pad platform Optional : 9 holder platform or spring Rack Speed range : 25 to 300 rpm Speed control : Microprocessor Accuracy : ± 1% Stroke : 20 mm Display : Five Digit LED, readable in 1 RPM increments Timer : 1 min to 48 hours or Motor : Plate type Brushless DC Shaking Workload : max.3.0 kg Platform size : 300(w) x 330(d)mm Dimensions : 280(w) x 70(h) x 330(d)mm Electrical : 114 V Models : 103 ~ 126 VAC, 50/60 HZ 230 V Models : 208 ~ 253 VAC, 50/60 HZ Weight : 7.0 kg	30.578.350	30.578.350
4	Autoclave	1	unit	Operating Range: 105 - 135 derajat Celcius Display Range: 5 - 137 derajat Celcius Warming Range: 45 - 60 derajat Celcius Gauge Pressure: Operating Range: 3 - 28,4 psi (0,2 - 2,0 kg/cm ²) Timer Sterillization: 1 - 250 minutes Dimensions: Overall (WxDxH) (20,1 x 20,8 x 40,9) inch (51 x 53 x 104) cm Chamber : 50 liter Diameter x Height (11,8" x 28") (30 x 71 cm)	93.500.000	93.500.000

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				Safety Devices: Dual sensing lid interlock, over pressure power cutoff, over temperature power cutoff, low-water power cutoff, mechanical pressure relief valve, lid-closure detector, over-current detector and circuit breaker		
				Programs:		
				For agar/liquids, also for melting agar, or also for faster start-up: Heating-sterilization-auto steam exhaust or ambient cooling (programmable)-warming-completion		
				For liquids/solids: heating-sterilization-auto steam exhaust or ambient cooling (programmable)-completion		
				For solids: Heating-sterilization-auto exhaust (fast)-completion		
				Accessories: stainless steel : mess wire baskets, buckets (pails) and test tube rack		
				Power consumption: 120V, 50-60 Hz, single phase, (220/240V available on request, 2000 watts		
				Shipping Weight: 180 lbs (82 kg)		
5	Drying Oven	1	unit	Electrical requirements: 220V 50Hz Input power: 500W Temperature range: 10~250°C Temperature control: ±0.1°C Temperature stability: ±0.5°C W*D*H interior dimension (mm): 300*300*270 W*D*H overall dimension (mm): 500*450*440 Shelves per chamber: 2 pcs Timing Range: 1~9999min	21.862.500	21.862.500
6	Water Destiller	1	unit	Standard water stiller integrated low-water cut-out, continuous production of high pure water, free of dissolved metals and pyrogen. Distillate flow rate : approx 4 lt/hr.	18.469.440	18.469.440
7	Analytical Balance	1		Capacity : 210g Weighing units : mg, g, ct, oz, dwt, tical, tola, mommes, baht grain, mesghal, newton, ozt, teals Repeatability (Std. Dev.): (mg) :0.1 or 0.0001 g Linearity (mg) :± 0.2 Operating Temperature Range : 14°F/-10°C to 104°F/40°C at 10% to 80% relative humidity, non-condensing, up to 4000m above sea level Application Modes : Weighing, parts counting, percent Tare range : 1 Stabilization time (seconds) : 3 Platform Size (mm) : 90 mm Dia. Dimensions WxHxD (cm) :19.6 x 28.7 x 32 cm	26.180.000	26.180.000
8	Analytical Balance	1		Pan Size : 14,6cmx13,3cm Description : Capacity : 200 gram Readability : 0.1 gram	1.938.475	1.938.475

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9	Hot Plate and Magnetic Stirrer	1	unit	Stirring Volume : 0~2000mL Stirring Speed : 0~1250rpm Heating Temperature : 0~400°C Top Plate Size : 135×135mm Panel Material : Stainless Steel Power Requirements : AC 220V/50Hz Dimensions : 230(L)×180(W)×120(H)mm Weight : 2.2kg	5.500.000	5.500.000
10	Digital pH meter	1	unit	Range : -2.0 - 16.0 pH Resolution : 0.1 pH Accuracy : ± 0.1 pH ATC : Automatic Calibration : 2 Points - Automatic User select 6 Buffer Types Environment : 32 - 122F Display : LED & Push to Hold Auto-Off : After 8 minutes of non-use Battery Life : 300 hours of use Battery Type : 1.5v Button - 4 Included	1.045.000	1.045.000
11	Refrigerator Pharmaceutical	1	unit	Dimensi : P x L x T : 1062 x 723 x 2042 mm volume : 785 L Watt : 585 (220V/1P) Shelf : 8 Refrigerant : R134 a Weight : 141 kg	37.895.000	37.895.000
12	Lemari Bahan Kimia	2	unit	Ventilasi Udara Penyaring Bau (Vapor) Udara Tersaring Dimensions (W x D x H) Ukuran Luar ± 800 x 600 x 218 mm Ukuran Internal 2 x (300 x 420 x 1730 mm) Technical specifications Bagian atas menggunakan hepa filter dan exhaust fan Processed air flow : > 44 cfm Voltage : 220 V / 50Hz Daya : 400 W Rak : 8 rak fleksible dan 2 fix Bahan : multipleks dilapisi HPL	10.450.000	20.900.000
13	Digital Video Microscope	1	unit	Spesifikasi:	23.100.000	23.100.000
14	Electric Germinator dengan Climate Incubator	1	unit	ukuran: 300L, 57x57x190 cm Temp range: 0-50°C Temp. Wave:0-5°C Automatic micro computer control.	74.800.000	74.800.000

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				Sunshine grade		
				0~3000~5000		
				2 time scale in 24 hour		
15	Pinset Anatomic	2	unit	Material: Stainless Steel, panjang 16-20 cm	196.900	393.800
16	Scalpel Handle	2	unit	Material: Stainless Steel	27.500	55.000
17	Scalpel Blades	2	box	-	82.500	165.000
18	Botol Kultur	10	pcs	kapasitas 200-300 ml	6.600	66.000
19	Tutup Botol Kultur	10	pcs	bahan plastik, untuk botol kultur kapasitas 200-300 ml	2.750	27.500
20	Glassware	10	pcs	kapasitas 250 ml	46.200	462.000
21	Gelas Ukur	5	pcs	kapasitas 100 ml	101.200	506.000
22	Corong Kaca	5	pcs	OD: 60, Length: 60	42.900	214.500
23	Batang Pengaduk	5	pcs	OD: 60, Length: 250 mm	19.800	99.000
24	Erlenmeyer	5	pcs	Volume: 100 ml	59.400	297.000
25	Pipet Mohr	5	pcs	Volume: 10 ml	44.000	220.000
26	Container Plastik	2	pcs	Ukuran : 61.5 X 41 X 15 Cm	330.000	660.000
				Type : Multipurpose Industrial Plastic Container		
				Stackable, Material HDPE		
				Standart Warna : Biru		
27	Disposable Pipettes	1	pack	Length : 154 mm	501.600	501.600
				Packaging : 100 pcs/inner pack		
				LDPE (Low Density Polyethylene)		
				Temp. Range : -30 ~ 60°C		
28	Spatula with spoon	10	pcs	Stainless steel, panjang: 150 mm	126.500	1.265.000
29	Sarung Tangan Karet	2	pack	-	55.000	110.000
30	Thermohygrometer	1	unit	Indoor thermometer with hygrometer	385.000	385.000
				Max/min temp, memory.		
				Range -10 ~ 50°C		
				Accuracy : ±1°C ±5%RH		
				Indoor - hygrom range : 20%RH - 90%RH		
				Use one 1.5Volt AAA battery		
31	Grain Moisture Meter	1	unit	Range: Content 6-30%	2.750.000	2.750.000
				Optional: RS-232C interface		
				LCD display		
				Size: 165x62x26mm		
				Applications:		
				Padi, Jagung, Kopi, Sorgum, Cengkeh, Kacang, Gandum, Kacang kedelai, dll.		
32	Meja Laboratorium	1	unit	ISLAND BENCH	31.350.000	31.350.000
				Multipleks tebal 12, 15 dan 18 mm		
				Permukaan dilapisi HPL Inner dan Outer		
				Table top : black granit tebal 13 mm		
				Rak diatas meja : 2000 x 450 x 600 mm		
				Dilengkapi sink, water inlet dan water outlet system		
				Dilengkapi koneksi listrik (6 pcs)		
				Dimensi : 3000 x 1500 x 850 mm		

No.	Nama Alat	Vol.	Satuan	Spesifikasi	Harga Satuan	Jumlah Harga
				Total Harga		447.546.165
				Pajak-pajak		51.467.809
				Keuntungan Perusahaan		44.754.617
				Jumlah		543.768.590