

DAFTAR PERALATAN LAB. FISIKA FMIPA UNIB TAHUN 2012
(Hasil Inventarisasi dan *Stock Opname* Peralatan 2012)

No	Nama Alat	Merek / Spesifikasi	Kode Alat	Tahun Perolehan	Sumber Dana	Jumlah	Kondisi Barang			Ket
							B	RR	RB	
1	Osiloskop	1. Hung Chang 5804 40 MHz	LF/1.1/1			1		√		ELKA
		2. Harris Dual Trace 3133 25 MHz	LF/1.2/2			2			√	BKL
		3. Tektronix 2213 A 60 MHz	LF/1.3/2			2			√	BKL
		4. Hameg HM 203 20 MHz	LF/1.4/2	1992/1993	Dikti	2	√			ELKA
		5. Kenwood CS-4025 20 MHz	LF/1.5/1			1			√	BKL
		6. Kenwood Cs-4125 20 MHz	LF/1.6/1	1996/1997	Dana Rutin	1			√	BKL
		7. GOS-653 G 50 MHz	LF/1.7/2	1999/2000	ADB	2	√			ELKA
		8. Jeulin Ref. 291146 20 MHz	LF/1.8/1	1999/2000	ADB	1			√	BKL
		9. Griffin Dual Trace Novoscope	LF/1.9/2	1992/1993	Dikti	2	√			ELKA
		10. GW GOS-622G 20 MHz Made in China	LF/1.10/1			1	√			ELKA
		11. ESCORT Model EAS-200 20 MHz	LF/1.11/4	2007/2008	ABT	4	√			ELKA
2.	Power Supply	1. AC Converter input : 110-220 V, 50-60 Hz, output AC : 1,5 – 12 V, output DC : 1,5 -	LF/2.1/9			9	6		3	

		2. Pasco model SF-9584 Low Voltage AC/DC Power Supply Output 0-2 VDC 8 A, 2-21 VAC 6 A	LF/2.2/1		Bank EXIM	1	√			ELKA
		3. Griffin Lockavolt Power Sup.	LF/2.3/2	1993	DIKTI	2	√			ELKA
		4. Griffin Regulated Power Sup.	LF/2.4/2	1993	DIKTI	2	√			
		5. Griffin Low Tension Var. Voltage Sup. 220-240 V, out put AC max 25 V/10 A, DC max 25 V/10 A	LF/2.5/4	1993	DIKTI	4	√			FISDAS
		6. Griffin Low Tension Var. Voltage Sup. , 220-240 V output max 22 V	LF/2.6/8	1993	DIKTI	8	√			FISDAS
		7. Griffin High Tension Power Sup., 220-240 V, output AC 6,3 V 2 A, DC 0,3 V 60 Ma	LF/2.7/4			4	√			FISDAS
		8. Griffin HT PS AC: 6,3 V, 2 A DC: 0 – 30 V, 60 mA	LF/2.8/1			1	√			ELKA
		9. PS Jeulin R 15+/- 230 VAC 30 VA	LF/2.9/1			1	√			ELKA
		10. Leybold PS AC/DC input 230 V output 0-12 V max 3A	LF/2.10/1			1	√			ELKA
		11. Leybold DC PS in 230 V out 0-20 V max 5 A	LF/2.11/1			1	√			ELKA
		12. High Voltage 10 kV merk Leybold Germany	LF/2.12/1			1	√			ELKA

		U1 230 V, P1 30 VA							
		13. DC PS merk Leybold in 230 V, P 120 VA, out 0 – 500 V	LF/2.13/1			1	√		ELKA
		14. PS Merk Jeulin R15F5, 230 VAC, 100 VA I max 2 A	LF/2.14/1			1	√		ELKA
		15. DC PS Merk Pasco USA model 9049 A, 220 V, 5060 Hz	LF/2.15/1			1	√		ELKA
		16. PS 450 V Merk Leybolg Germany Model 52227, out 12V/450V	LF/2.16/1			1	√		ELKA
		17. DC PS stabilizer syatem merk Succes in 110/220VAC, out 3-13,8 VDC, I 10 A	LF/2.17/14			1	√		ELKA
3.	Control Transformer	Fuse 2 A Serial No. BSI-9208.1188 input 220-240 V, 50-60 Hz.	LF/3.1/4	1993	DIKTI	4	√		ELKA
4.	Spektrometer		LF/4.1/2	1993	DIKTI	2	√		ELKA
5.	Fourier Synthesizer	Pasco Model WA-9307 A-220 Seri F46-88, input 230 V, 50/60 Hz Fuse ½ A	LF/5.1/1		Bank EXIM	1	√		FISDAS 2
6.	Waveform Analyzer	Pasco Model WA-9302 A-220 Seri F44-88, input 230 V, 50/60 Hz Fuse ¼ A	LF/6.1/1		Bank EXIM	1	√		FISDAS 2
7.	Dual Function Generator	Pasco Model WA-9301 Aserail F77-88, input 220 V, 50-60 Hz Fuse ¼ A	LF/7.1/1		Bank EXIM	1	√		FISDAS 2
8.	Digital Joule dan	Griffin IN 230v, I max 10	LF/8.1/2	1993	DIKTI	2		√	ELKA

	Wattmeter	A								
9.	Signal Generator	1.Griffin 0,1 Hz- 500 KHz, 240 VAC Serial 40750	LF/9.1/4	1993	DIKTI	4	√			ELKA
		2. Leybold Germany Model 52263	LF/9.2/1			1	√			ELKA
		3. Protek Model 9205 digital Made in Korea	LF/9.3/6	2007/2008	ABT	6	√			ELKA
10.	Signal generator dan Amplifier	Griffin input 220-240 VAC, 50-60 Hz Serial No. AVG44/3730	LF/10.1/2	1993	DIKTI	2	√			FISDAS
11.	Millisecon Timer	Griffin	LF/11.1/5	1993	DIKTI	5			√	FISDAS
12.	Interferometer	1. Pasco Model 9255	LF/12.1/1		Bank EXIM	1			√	ELKA
		2. Pasco Model OS-8501	LF/12.2/2	1993	DIKTI	2	1	1		ELKA
13.	Laser	1. Avoid Exposure	LF/13.1/2		Bank EXIM	2	√			FISDAS
		2. Griffin He-Ne Laser Max. output < 1mW	LF/13.2/4	1993	DIKTI	4	3	1		ELKA
		3. He-Ne/5mW 632,8 nm Class III.	LF/13.2/1			1	√			ELKA
14.	Milikan 021-Drop	EDUKIT Serial No. RAM 5043 L input 220-240 V , 50-60 Hz	LF/14.1/2	1993	DIKTI	2	1	1		ELKA
15.	Circulator	Haake Type 001-3603, input 220 V/50-60 Hz	LF/15.1/4	1993	DIKTI	4	2	1	1	FISDAS
16.	Viscometer	Range 0,5 –105 MPAS	LF/16.1/4	1993	DIKTI	4	2	2		FISDAS
17.	Steam Generator (Ketel)	Haden input 220-240 V AC, 2000-2400 W, kapasitas 3 PTS	LF/17.1/4	1993	DIKTI	4	√			FISDAS
18.	Digital Function	Pasco Model PI-9587 A,	LF/18.1/1		Bank	1	√			FISDAS

	Generator-Amplifier	input 220 V, Range 0,1-10 Hz, 1 –100 Hz, 0,1-10 KHz, 10-100 KHz			EXIM					
19.	Air Supply	Pasco Model SF-9216 input 220 V	LF/19.1/1		Bank EXIM	1	√			FISDAS
20.	Air Blower	Model VC 1 input 240 V, 50 Hz, 800 W	LF/20.1/2	1993	DIKTI	2	1	1		FISDAS
21.	Galvanometer	-30 s.d 30	LF/21.1/10			10	4	4	2	FISDAS
		-5 s.d 50 dan -10 s.d 100	LF/21.2/7			7	3	4		FISDAS
22.	Amperemeter DC	-1 s.d 3 A dan 0,2 s.d 0,6 A	LF/22/4	1990		4	2		2	FISDAS
		0 s.d 10 A	LF/22/2			2	√			FISDAS
23.	Amperemeter AC/DC	-1 s.d 3 A dan -0,2 s.d 0,6	LF/23.1/6			6	2		4	FISDAS
24.	Voltmeter DC	Skala -1 s.d 3 V	LF /24.1/9	1993		9	3		6	FISDAS
25.	Mili Ampere	Skala 0 s.d 1 mA	LF/25.1/2	1993	DIKTI	2			√	FISDAS
		Skala 0 – 100 mA	LF/25.2/2	1993	DIKTI	2	1		1	FISDAS
26.	Milivolt	Skala 0 – 100 mV	LF/26.1/2	1993	DIKTI	2	1	1		FISDAS
		Skala 0 – 500 mV	LF/26.2/2	1993	DIKTI	2	1	1		FISDAS
		Skala -35 – 35	LF/26.3/2	1993	DIKTI	2			√	FISDAS
27.	Basic Meter Unit	Skala -5 – 50 μ A dan Skala -10 – 100 μ A	LF/27.1/6	1993		6	4		2	FISDAS
28.	Mechanical Equivalent of Heat	Pasco Model TD.8551	LF/28.1/1		Bank Exim	1			√	FISDAS 2
29.	Microwave Modulator	Pasco Model WA-9318 Frekuensi 0,4 – 4 KHz, input 9 V DC	LF/29.1/1		Bank Exim	1		√		FISDAS
30.	Neraca	1. Ohaus Balance ,	LF/30.1/8	1993	DIKTI	8	4	1	3	FISDAS

		Capacity 310 g								
		2. Ohaus Triple Beam Balance Capacity 610 g	LF/30.2/2			2	1	1		FISDAS
		3. Nasional Scale MB-2610 Cap. 610 g	LF/30.3/1			1	√			FISDAS
		4. Analitik	LFS/30.4/2			2	√			FISDAS
		5. Analitik	LF/30.5/5			5	√			FISDAS
31.	High Speed Rotating Mirror	Pasco Model OS-9263 F61 Volt 230 V,50-60 Hz, Fuse 25 A	LF/31.1/1		Bank Exim	1	√			ELKA
32.	Free Fall timer	Pasco Model -9202 B	LF/32.1/1		Bank Exim	1			√	FISDAS2
33.	Photogate Timer with Memory	Pasco ME-9215 A	LF/33.1/1		Bank Exim	1			√	FISDAS2
34.	Assesories Photoghate	Pasco Model ME-9204 A	LF/34.1/1		Bank Exim	1	√			FISDAS2
35.	Demonstrasion Meter	Griffin -20 s.d 100	LF/35.1/4	1993	DIKTI	4	√			FISDAS2
36.	Micowave Modulator	Pasco Modul WA-9318 Frek. 0,4 – 4 KHz	LF/36.1/1		Bank Exim	1	√			ELKA
37.	Transmitter Microwave	Pasco input 9 V DC, Max 15 MW Frek. 10,5 GHz	LF/37.1/1		Bank Exim	1	√			
38.	Micowave Receiver	Pasco	LF/38.1/1		Bank Exim	1	√			
39.	Demonstratiom Meter DC	White Electrc Inst. Co. Ltd Interscale Model 2	LF/39.1/2			2	√			
40.	Digicounter	Phillip Harris, 220-240 V,50-60 Hz No. Seri W84E257	LF/40.1/2			2	√			ELKA
41.	Pencacah Geiger-Muller	The Nucleus 230 V, 50 Hz Model 575 Scaller Ratemeter	LF/41.1/2			2	1	1		ELKA

42.	Amplifier-Analyzer Nuclear	The Nucleus Model 2010, 230 V, 50 Hz, Fuse 1 A	LF/42.1/1			2			√	ELKA
43.	Multimeter Digital	1. SOAR Model ME-530	LF/43.1/8			8	4		4	ELKA
		2. Model HD 2500 28-3097 2 A, 250 V	LF/43.2/1			1			√	ELKA
		3. HGL-3300 Seri No 04991818	LF/43.3/4			4	√			ELKA
		4. Fluke 73 20 A, 4000 VA	LF/43.4/1			1			√	BKL
		5. Jeulin CL 1fuse 2 A Type 6F22	LF/43.5/1			1	√			
		6. Sanwa Japan Model CD771 Auto power off	LF/43.6/10			10	√			ELKA
44.	Multimeter Manual	1. Sunwa SP-15 D	LF/44.1/5			5			√	FISDAS
		2. Sunwa YX-360 TRn	LF/44.2/5			5	√			FISDAS
		3. Metra Max2	LF/44.3/11			11	√			ELKA
		4. Robin Model 2608 Kew Snep 6 Clampmeter	LF/44.4/2			2	√			ELKA
		5. Metraport 3E Germany	LF/44.5/1			1	√			ELKA
		6. Sanwa CX506a	LF/44.6/10			10	√			ELKA
45.	Holder (Mulut Buaya dan Lampu)	Lampu 12 V dilengkapi dengan pemegang lensa 5 Buah	LF/45.1/8			8	√			FISDAS2
46.	Bangku Optik	1. Bangku Optik 1 m	LF/46.1/1			1	√			FISDAS2
		2. Bangku Optik 120 cm	LF/46.2/1			1	√			FISDAS2
47.	Compact Light Source	12 V AC/DC Made in Britain	LF/47.1/2			2	√			FISDAS2
48.	Low Tension Power Transmator	Input 220 –240 V, out put 12 V, 50-60 Hz, 96 VA	LF/48.1/2			2	√			FISDAS2

49.	Rays Optic Kit (Light Source and Lamp)		LF/49.1/4			4	√			FISDAS2
50.	Transmitter Gel. 3 cm	Griffin 12 – 14 VAC, 10.8 GHz, No Seri 1334/610	LF/50.1/2			2	√			FISDAS2
51.	Hollow Lens For Use 3 cm Wave Equipment		LF/51.1/2			2		√		FISDAS
52.	Diode Probe For Use 3 cm Wave Equipment	Griffin	LF/52.1/2			2		√		FISDAS2
53.	Oscillator 200 KHz For Use 3 cm Wave Equipment	Griffin, 12-14 V AC, 200 KHz	LF/53.1/2			2			√	FISDAS2
54.	Plate For Use 3 cm Wave Equipment		LF/54.1/2			2	√			FISDAS2
55.	Loudspeaker Amp. Unit	Griffin Power 9 V DC	LF/55.1/2			1			√	FISDAS
56.	Movement Sensor	Griffin 9 V DC	LF/56.1/1			1			√	FISDAS2
57.	Velocity of Sound Switches	Griffin	LF/57.1/2			2	√			FISDAS2
	Velocity of sound Kit		LF/57.2/5			5	√			FISDAS2
58.	Resistansi Box	1. Elindo,79010,1 W R x 10 ohm	LF/58.1/1			1	√			FISDAS2
		2. Elindo , 79010, 1W R x 1000 ohm	LF/58.2/1			1	√			FISDAS2

		3. Griffin, 0,5-1 W, 100 – 10 MW	LF/58.3/4			4	√			FISDAS2
59.	Sensor Temperatur	Griffin, 9 V DC, 0 – 100 ° C	LF/59.1/2			2			√	FISDAS2
60.	Hall Effec Probe	Griffin	LF/60.1/1			1			√	FISDAS2
61.	Kapasitor Kotak	X (1 – 1000) pF	LF/61.1/1			1	√			FISDAS2
62.	Hambatan Kotak	Griffin x(1000, 100, 10, 1) 0,5 – 1 W	LF/62.1/2			2	√			FISDAS2
63.	Rheostat	1. 10,7 ohm, 5 A	LF/63.1/4			4	2		2	FISDAS
		2. 100 OHM, 1 A	LF/63.2/3			3			√	FISDAS
		3. 10 OHM, 4 A	LF/63.3/2			2	√			FISDAS
64.	Alpinus Air Capasitor		LF/64.1/2			2	√			FISDAS
65.	Stand dan Lampu		LF/65.1/4			4	√			FISDAS
66.	Power Supply dan Lampu Natrium		LF/66.1/1			1	√			FISDAS2
67.	Kotak Cahaya		LF/67.1/4			4	√			FISDAS2
68.	Pompa Tangan Vakum	Nalgene 6130-0010 PVC 15 cc	LF/68.1/2			2	√			FISDAS2
69.	Konduktivitas Termal	Pasco, Model - 8561	LF/69.1/1			1	√			FISDAS2
70.	Multi Surface Radiation Absorber	1. Pasco, Model TD- 8560	LF/70.1/1			1			√	FISDAS
		2. Thermal radiation Cube Pasco Model TD-8554	LF/70.2/1			1	√			FISDAS
71.	Sensor radiasi	Pasco, Sensivity approx. 22mV/mW	LF/71.1/1			1	√			FISDAS2
72.	Datatrace Recorder 2	1. Graphic 1002, 12 VAC, 50 – 60 Hz, 25 VA	LF/72.1/3			3	2		1	FISDAS

	Chanell									
		2. Model WPA CQ-95	LF/72.2/1			1	√			FISDAS
73.	Tabung Geiger Muller	1. Nucleus PO BOX 2561 (Plastik)	LF/73.1/2			2	1		1	ELKA
		2. The Nucleus , Teledyne Isotop (II) NaI Detector (Multiplier Photo Tabung)	LF/73.2/2			2	√			FISDAS2
		3. Mullard ZP1481 KP5R4E	LF/73.3/2			2	√			FISDAS2
74.	Lilitan (Koil)	1. Koil teg. Rendah 300	LF/74.1/2			2	√			FISDAS2
		2. Koil teg. Rendah 600	LF/74.2/2			2	√			FISDAS2
		3. Koil 220-240 V, 1200 turns	LF/74.3/2			2	√			FISDAS2
		4. Koil 220-240 V, 3600 turns	LF/74.4/2			2	√			FISDAS2
		5. Koil 220-240 V, 12000 turns	LF/74.5/2			2	√			FISDAS2
		6. Tapped Koil	LF/74.6/2			2	√			FISDAS2
75.	Transformer Stand and Core	Griffin and George London	LF/75.1/2			2	√			FISDAS2
76.	Transformer Assesories Set	1. Lilitan Pemanas	LF/76.1/2			2	√			FISDAS2
		2. Katrol	LF/76.2/1			2	√			FISDAS2
77.	Lampu Spektral	1. Philips Hg 0,9 A	LF/77.1/6			6	√			FISDAS2
		2. Philips Na 0,9 A	LF/77.2/4			4	√			FISDAS2
		3. Philips Cd 0,9 A	LF/77.3/4			4	√			FISDAS2
		4. Philips He 0,9 A	LF/77.4/2			2	√			FISDAS2
		5. Philips Hg-Na-Cd 0,9 A	LF/77.5/3			3	√			FISDAS2
78.	Hologram	Transmission Laser Hologram XFW-450P	LF/78.1/2			2	√			FISDAS2
79.	Bangku optik	Pasco Scientific Bangku	LF/79.1/1			1	√			FISDAS

	dan asesorisnya	optik dan set of lens.								
80.	Set of Slides	Griffin c20-588-E	LF/80.1/2			2	√			FISDAS2
			LF/80.2/2			2	√			FISDAS2
81.	Set of Lens	1. Biconvex (f = 1000 mm, 100 mm, 250 mm, 500 mm, 150 mm dan 50 mm) Biconcave (f = 250 mm, 100 mm, 500 mm, 50 mm dan 150 mm), lensa silindris f = 75 mm, planconvex, planparalel, diffuser dan filter plastik berwarna.	LF/81.1/2			2 set	√			FISDAS2
		2. Diffraction Grating (100, 300,600 lines/mm) dan infra red / UV filters	LF/81.2/1			1 set	√			FISDAS2
		3. Lensa ukuran sedang (biconvex, planconvex, prisma dan segiempat) untuk dipapan	LF/81.3/1			1 set	√			FISDAS2
		4. Lensa Besar (planconvex, prisma dan convexconcave)	LF/81.4/1			1 set	√			FISDAS2
82.	Tempat Lensa	1. Tempat lensa tanpa tiang	LF/82.1/12			12	√			FISDAS2
		2. Tempat lensa dengan tiang	LF/82.2/10			10	√			FISDAS2
		3. Layar dengan tiang	LF/82.3/6			6	√			FISDAS2
		4. Plat Aluminium Berskala dengan dudukan	LF/82.4/6			6	√			FISDAS2
83.	Set of Object	Pin object, magnification, gause object dan skala	LF/83.1/1			1 set	√			FISDAS2

		object								
84.	Set of Mirror	Concave ($f = 15$ cm dan 20 cm), convex ($f = 15$ cm dan 20 cm) dan cermin datar	LF/84.1/1			1 set	√			FISDAS2
85.	Dudukan tiang optik	Silinder besi Φ 5 cm berlubang.	LF/85.1/11			11	√			FISDAS
86.	Tabung v dan λ	1. Tabung kaca 120 cm dan dudukan kayu Made in Griffin	LF/86.1/1			1	√			FISDAS2
		2. Tabung kaca 60 cm	LF/86.2/1			1	√			FISDAS2
87.	Biuret	Pipa kaca Φ 1 cm Duran 20 ⁰ C, 0,075 mL	LF/87.1/1			1	√			FISDAS2
88.	Voltmeter Digital	Fullscale 19,99 V Made in Griffin	LF/88.1/2			2	√			FISDAS
89.	Resistor Tabung	R 0,1- 100 Ω R dalam tabung kaca.	LF/89.1/22			22	√			FISDAS2
90.	Gaussmeter	30 – 300 Hz CA 40 20 – 2000 μ T, 200 – 20000 mG	LF/90.1/1			1	√			ELKA
91.	Cooper	1. Diameter 0,4 mm dan m = 250 g	LF/91.1/2			2	√			FISDAS2
		2. Diameter 0,25 mm, m = 3,67 g	LF/91.2/1			1	√			
92.	Trafo	1. Tronik 1A 12 V	LF/92.1/2			2	√			FISDAS2
		2. Champion 1 A, 12 V	LF/92.2/4			4	√			FISDAS2
		3. Toho 1 A, 12 V	LF/92.3/2			2	√			FISDAS2
		4. San Mitsuri 0,5 A, 12 V	LF/92.4/5			5	√			FISDAS2
93.	Lilitan (Induktor)	1. Bahan Kawat Tembaga buatan sendiri ukuran Besar	LF/93.1/2			2	√			FISDAS
		2. Sedang	LF/93.2/1			1	√			FISDAS
		3. Jumlah lilitan 400 lilitan.	LF/93.3/1			1	√			FISDAS

		4. Kecil	LF/93.4/16			16	√			FISDAS
94.	Stancord	230 V, 50-60 Hz, 150 VA, 150 sec	LF/94.1/1			1	√			
95.	Pocked Model Motor	J2418	LF/95.1/2			2	√			
96.	Kontaktor	380 V, 50 Hz dan 20 A	LF/96.1/1			1	√			
97.	Elektromagnetik	XKA-391-F, 4 VDC	LF/97.1/2			2	√			
98.	Single Motor DC	2 VDC, 0,5 A	LF/98.1/2			2	√			
99.	Manganin Coil	1. Gold Cross 1 – 100	LF/99.1/4			4	√			
		2. Gold Cross 1 – 50	LF/99.2/2			2	√			
100.	Teslameter	1. Jeulin ref. 293045	LF/100.1/1			1	√			
		2. Jeulin ESAO 452105	LF/100.2/2			2	√			
101	Tachometer	ATH. 4R 614-772 Made in England	LF/101.1/2			2	√			ELKA
102	pH/mV/Therm ometer	1. Model 1Q150 Handhel IQ Scientific Instrument USA	LF/102.1/1			1	√			ELKA
		2. Probe pHmeter	LF/102.2/1			1	√			ELKA
103	Data Aquation and Processing Software	Jeulin 50 μ A, 0,05 V	LF/103.1/2			2	√			ELKA/as esoris tidak lengkap
104.	Wattmeter	Chauvin Arnoux 405 Fuse 6,3 A 50 kA, 380 VAC	LF/104.1/1			1	√			ELKA
105	Manometer	Yokogawa Model 265302 12 V 928653 J Range 130 kPA	LF/105.1/1			1	√			ELKA
106	Powermeter	Yokogawa Model 2433-	LF/106.1/1			1	√			ELKA

		11, 600 V, 200 A								
107	Light Special Analisis	Jeulin 230 V, 1 VA Ref. 213011	LF/107.1/1			1	√			ELKA
108	Voltmeter Jeulin	Jeulin TRMS 452115 ESAO 0,1 – 30 V	LF/108.1/1			1	√			ELKA
109	Sound Level Meter	1. Digital: Jeulin SonemetreJLS 10	LF/109.1/1			1	√			FISDAS2
		2. Analog: YF-20	LF/109.2/1			1	√			ELKA
110	Probe Konduktivty/pH/Temperatur	1. Hanna Instrument	LF/110.1/3			3	√			ELKA
		2. Dissolved Solid tester	LF/110.2/1			1	√			
		3. Miniterm Hi8751 -40°C s.d 150°C	LF/110.3/1			1	√			ELKA
111	Frekuensimeter	Jeulin Ref. 291140 30 V eff	LF/111.1/1			1	√			ELKA
112	Fiber Light Sources	Euromex 230/240 V 50 Hz	LF/112.1/1			1	√			ELKA
113	Set of Board Digital	Jeulin 500 mA, 220 V	LF/113.1/1			1	√			
114	Dig. Insulin/Continuity Tester	Robin Model 3001 B	LF/114.1/1			1	√			
115	Barometer	1. Lambrecht 99495	LF/115.1/1			1	√			ELKA
		2. Barometer/Altimeter Indikator Suunto	LF/115.2/1			1	√			ELKA
116	Higrometer	Lambrecht (%)	LF/116.1/1			1	√			ELKA
117	Sensor suhu	LH 666 193 NiCr-Ni	LF/117.1/3			3	√			
118	Walden Precision	WPA EL 19J 59234/155	LF/118.1/1			1	√			

119	Presisi Tekanan	Jewulin Pression ESAO 452107 hPa 400 dan 2000 hPa	LF/119.1/2			2	√			
120	Termokopel Jeulin	Jeulin ESAO 452106 (-10/40, 10/110, 0/1000°C	LF/120.1/3			3	√			
121	pHmeter Jeulin	Jeulin ESAO 452109	LF/121.1/1			1	√			
122	Amperemeter Jeulin	Jeulin ESAO TRMS 452116 10 mA, 100 mA, 500 mA dan 1 A	LF/122.1/2			2	√			
123	Luxmeter Jeulin	Jeulin ESAO 452110	LF/123.1/1			1	√			
124	Set of Gun PS with Amplifier	Leybold Didactic	LF/124.1/1			1 set	√			
125	Clairtonic Electronic	Watford Control	LF/125.1/1			1	√			
126	RC Network	Pasco Model ES-9053 A	LF/126.1/1			1	√			
127	Elektrometer	Pasco Model ES-9054 B	LF/127.1/1			1	√			
128	Sangkar Faraday	1. Pasco Diameter 10 cm	LF/128.1/1			1	√			FISDAS2
		2. Diameter 20 cm	LF/128.2/1			1	√			FISDAS2
129	Bola Konduktor	Pasco Bahan Al r = 5 cm dan t = 15 cm	LF/129.1/2			1	√			FISDAS2
130	Kepin Konduktor	Pasco Model 9043 diameter 15 cm	LF/130.1/1			1 set	√			
131	Driven Harmonic Motion	Pasco Model 9210-A, 220 V, 0,5 A, 50/60 Hz	LF/131.1/1			1	√			
132	Alat Membuat baut		LF/132.1/1			1 set	√			FISDAS
133	Mavolux	Gossen Mavolux Digital	LF/133.1/1			1	√			FISDAS2

		6000 K								
134	Charge/mass ratio testing	Made in Griffin XKP-750G	LF/152.1/1			1	√			ELKA
135	Color pattern generator	Kenwood CG-932 In 230VAC, Japan	LF/153.1/1			1	√			ELKA
136	Frekuensi meter & time scaler	Griffin & George Fuse 100 mA, SN. AV1598/879	LF/154.1/2			2	√			ELKA
137	Transfomer	2-12V, Leybold Germany in 230V, 120VA	LF/155.1/2			2	√			ELKA
138	Digital thermometer	Leybold Germany NiCrNi, NTC 4 Chanel, in 12VAC.	LF/156.1/1			1	√			ELKA
139	Gerbang Logika	Electron Italy Model M140	LF/157.1/1			1	√			μC
140	Binary-Decimal Converter	Electron Italy Model M159	LF/158.1/1			1	√			μC
141	Analog pulse signal converter	Electron Italy, Model B1140-conv	LF/159.1/1			1	√			μC
142	Defleksi electron		LF/160.1/2			2			√	ELKA
		Leybold fine beam tube Helmholtz coil, color red.	LF/160.2/1			1	√			ELKA
143	Spectronic	Made in USA Model 4001/4 SN.3SGB173010, 100-240VAC, 1A.	LF/162.1/1			1	√			ELKA
144	Keypad & 7 segmen Display	Inovative electronic DT-51 KND	LF/163.1/1			1	√			μC
	Mikrokontroler 89C51 Development tools	Inovative electronic DT-51 vers 3.0	LF/163.2/1			1	√			μC
	Switch & conector	Inovative electronic DT-51	LF/163.3/1			1	√			μC

	DT51									
145	Disolved oxygen meter	Lutron Taiwan model DO-5509	LF/164.1/1			1	√			ELKA
146	EMF Field Tester	Lutron Taiwan Model EMF-827 20-2000 μ T, 200-20000 mG	LF/165.1/1			1	√			ELKA
147	Digital clamb meter	Model ADC-2000 Dekko soldering tool true RMS	LF/166.1/1			1	√			ELKA
148	Interface PC RS485	Inovative electronic	LF/168.1/1			1	√			μ C
148	Data logger	Gama techno scientific instrument	LF/175.1/1			1	√			ELKA
149	Microcontroller trainer kit	Inovative electronic	LF/201.1/1			1	√			μ C
150	Modul interfacing dengan PPI 8255	Inovative electronic	LF/202.2/1			1	√			μ C
151	Modul microprocessor 8088	Inovative electronic	LF/203.1/1			1	√			μ C