

Ceklis Pekerjaan :

Pengadaan Alat Laboratorium Fakultas Perikanan dan Ilmu Kelautan Universitas Padjadjaran

NO	Nama	SPESIFIKASI	JUM LAH	Satuan	Sesuai	Tidak Sesuai	KETERANGAN
1	Mikroskop binokular	<p>Head : Binocular 30° inclined and rotatable 360°</p> <p>Eyepieces : 10x 20mm FOV</p> <p>Nosepiece : Reversed, quadruple</p> <p>Objectives : Plan Achromat 4x, 10x, 40x, 100x Oil</p> <p>Condenser : 1.25 N.A.</p> <p>Stage : Rackless mechanical stage</p> <p>Focusing : Coaxial coarse/fine focus system with limit stopper and torque adjustment</p> <p>Focusing : Coaxial focusing system with an adjustable tension control and upper limit stop to prevent accidental damage to slides; all metal gears, brass fine focus gear</p> <p>Illumination: LED Illumination variable with cord holder</p>	6	Unit	✓		
2	Mikroskop yang dihubungkan dengan kamera	<p>Viewing Head (inch) 10 display screen</p> <p>Illumination LED</p> <p>Illumination, Brightness Adjustable</p> <p>Objective Plan Achromatic</p> <p>Objective : 4x, 10x, *20x, 40x, 100x</p> <p>Nosepiece Quadruple</p> <p>Nosepiece/*Quintuple Nosepiece</p> <p>Stage Double Layers Mechanical</p> <p>Stage 120X115mm/70X30mm</p> <p>Condense Abbe Condenser N.A. 1.25 with Iris Diaphragm &amp; Filter</p> <p>Focusing System Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm</p> <p>Video Adapter C Mount 0.5x</p>	1	Paket	✓		

3	Laminar Air flow untuk pengerjaan Bakteri dan Virus	<p>Spesifikasi laminair air flow :</p> <ol style="list-style-type: none"> <li>1. Dimensi : 120x85x120 cm</li> <li>2. Rangka : Playwood di lapis High Pressured Laminated (HPL)</li> <li>3. Dinding Luar : Playwood di lapis High Pressured Laminated (HPL)</li> <li>4. Dinding Dalam : Playwood di lapis HPL (High Presured Laminated)</li> <li>5. Top Meja / Meja Kerja : stainless 304</li> <li>6. HEP filter ukuran 305x305 efisiensi 99,999 % Sertificate</li> <li>7. Blower / Fan merk CKE 1/4 hp</li> <li>8. System Instalasi Listrik : Broco, Philips dan Kabel Standard Indoensia ( Eterna)</li> <li>9. Penerangan di tempat kerja dengan lampu TL (18 watt), Warna putih dan disesuaikan untuk netral pada saat bekerja dan lampu UV (15 watt).</li> <li>10. Sash pintu kaca, dengan naik turun max 55 cm dan tebal kaca 5 mm</li> </ol>	1	Unit	✓		
4	Neraca Analitik	<p>Maximum Capacity 220 g  Readability 0.001 g  Pan Size 120 mm  Item Number 30428794  Internal Calibration InCal™ - Semi Automatic  Draftshield Included  Auxiliary Display Model Available as an Accessory  Battery Life Not Applicable  Communication RS232; USB  Dimensions 309 mm x 321 mm x 209 mm (HxLxW)  Display 2-Line LCD with Backlight  In-use cover Included  Net Weight 10 lb (4.5 kg)  Pan Construction Stainless Steel  Power AC Adapter (Included)  Stabilization Time 2 s</p>	1	Unit	✓		

5	Inkubator shaker	Precise Shaking Incubators, ThermoStable™ IS-30, Front Door-type, up to 60C, 0.2C with Universal Platform, Fuzzy Control, Orbital Motion, Advanced Shaking Mechanism, Precise Speed Control, 30~250 rpm	1	Unit	✓		
6	Inkubator Rack	Laboratory Equipment Test Tube Rack Stainless Steel Tube Rack (d=16mm), 50 wells, KJ-812	2	Unit	✓		
7	Freezer -20oC	Dimension : 1105 x 625 x 845 mm Temperature : ≤ -20°C Capacity : 350 Liter Power : 220 Watt Refrigerant : R290 Voltage : 220 V/50Hz Weight : 43Kg	1	Unit	✓		
8	Refrigerator	Type : Hand Tool Parts Origin : Mainland China Place Of Origin : Shandong, China Brand Name : Biobase Model Number : Bpr-5V100(G) Instrument Classification : Class II Warranty : 1 Year After-Sale Service : Online Technical Support Product Name : 2~8 Celsius Laboratory Refrigerator Capacity : 100L Temperature Range : 2~8 Temperature Accuracy : 0.1 Control System : Microprocessor Control Alarm : Audible Andvisual Alarm Refrigeration Type : Forced Air Refrigeration System Refrigerant : R600A Climate Type : N, Sn Gross Weight : 61Kg	1	Unit	✓		

9	Thermal Cycler (Mesin PCR)	<p>Classification: Laboratory Thermostatic Devices Capacity: 3*(32*0.2ml )Tube: 0.2ml single tube Temperature Range: 0-100°C Uniformity: <math>\leq\pm 0.2^{\circ}\text{C}</math> Accuracy: <math>\leq\pm 0.3^{\circ}\text{C}</math> Display Resolution: 0.1°C Temperature Control: Block\Tube MAX. Heating Rate: 4.5°C/s MAX. Cooling Rate: 4°C/s Ramping Rate Adjustable: 0.1-5°C Number of Programs: 10000 +(USB FLASH) Hot Lid Temperature: 30~110°C</p>	1	Unit	✓		
10	Mikrosentrifuga	<p>Specifications of D3024</p> <ul style="list-style-type: none"> <li>- Max. Speed : 15000rpm(200-15000rpm), increment:10rpm</li> <li>- Max. RCF : 21380g, increment:10g</li> <li>- Speed Accuracy : 20 rpm</li> <li>- Rotor Capacity : 5mL18, 5mL culture tubex12 0.2mL/0.5mL/1.5mL/ 2mL24, 0.5mL36, PCR84</li> <li>- Run Time : 30sec-99min/Continuous</li> <li>- Motor : Brushless DC moto</li> <li>- Safety Devices : Dual door interlock, Over-speed detection, Automatic internal diagnosis</li> <li>- Power : Single-phase,AC220V-240V, 50Hz/60Hz, 5A, AC110V-120V, 50Hz/60Hz, 8A 200W</li> <li>- Acceleration / Braking time [Sec] : 25s25s</li> <li>- Dimension [DWH] : 280364266mm</li> <li>- Weight : 12kg</li> <li>- Certification : CE cTVus FCC MCA</li> <li>- Advanced Features : Speed/RCF switch; Short-time run function; sound-alert function</li> <li>- Noise Level : 64dB</li> </ul>	1	Unit	✓		
11	Chamber Elektroforesis	Tangki Elektroforesis Horizontal Ukuran: 9 x 20 x 6 cm	1	Unit	✓		

12	Microwive	Range Temperature : Suhu Kamar +10~ 250°C Akurasi : 0.2°C Dimensi Dalam (PxLxT) : 415 x 370 x 340 mm Dimensi Luar (PxLxT) : 560 x 540 x 680 mm Vacuum : 133pa Voltase : 220 V Daya : 1400 W Timer : 0-9999mnt	1	Unit	✓		
13	Autoklaf	Spesifikasi Produk : VOLUME : 75L CHAMBER SIZE : 400*625mm DIMENSIONS mm : 575*565*1080 BASKET DIMENSION : 360*280mm BASKET UNIT : 2 VOLTAGE LEVEL : 220V/50HZ RATE PRESSURE : 0.22MPa RATE TEMPERATURE : 50-134°C POWER : 4.5KVA	1	Unit	✓		
14	Spektrofotometer	WL Range : 200 - 1000 nm WL Accuracy : 2 nm WL Repeatability : 1 nm Spectrum Bandwidth: 4 nm Transmittance Accuracy : +/-0.5% (t) (NBS930D) Transmittance Repeatability : 0 .2% (t) Transmittance Measuring Range : 0 - 100 T Absorbance Measuring Range : 0 - 2 A Stray Light : 0 .3% (t) At 220 nm, Nal Drift : 0.5% (t)/ 3mnt Signal Noise : 0.2T% Cell Holder : 10 mm Voltage : 220VAC/50HZ Power : 150 W	1	Unit	✓		

15	Nanodrop	<p>Optical Geometry: Reflec di:8°, de:8°(diffused illumination, 8-degree viewing angle)  Integrating Sphere Size: 48mm  Light Source: Combined LED Light  Spectrophotometric Mode:  Concave Grating  Sensor: 256 Image Element Double Array CMOS Image Sensor  Wavelength Range: 400-700nm  Wavelength Interval: 10nm  Semiband Width: 10nm  Measured Reflectance Range: 0-200%  Measuring Aperture: Customized A8mm/4mm/1×3mm  Specular Component: SCI&amp;SCE  Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB  Color Difference Formula: <math>\Delta E^*ab</math>, <math>\Delta E^*uv</math>, <math>\Delta E^*94</math>, <math>\Delta E^*cmc(2:1)</math>, <math>\Delta E^*cmc(1:1)</math>, <math>\Delta E^*00v</math>, <math>\Delta E(Hunter)</math>  Other Colorimetric Index: WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), TI(ASTM E313, CIE/ISO), Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity, 8° Glossiness  Observer Angle: 2°/10°  Illuminant: D65, A, C, D50, D55, D75, F2, F7, F11  Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset  Measuring Time: 2.6s  Repeatability: MAV/SCI: <math>\Delta E^* \leq 0.05</math>  inter-instrument Error: MAV/SCI: <math>\Delta E^* \leq 0.2</math>  Measurement Mode: Single, Average  Locating Method: Camera View Finder  Display: 3.5-inch TFT color LCD,</p>	1	Unit	✓
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		<p>Capacitive Touch Screen  Data Port: USB, Bluetooth 4.0  Data Storage: Standard 2000 Pcs,  Sample 20000 Pcs  Power source: Li-ion battery.  Illuminant Life Span: 5 years  Dimension: 184×77×105 mm  Weight: 600g</p>				
16	UV Transiluminator	<p>1. Panjang Gelombang: 470nm  2. Ukuran Gel: 100 * 160mm  3. Dimensi: 210 * 210 * 30mm  4. Berat Bersih: 2.3kgs  5. Power DC: 24V 0.65A</p>	1	Unit	✓	
17	Waterbath	<p>Controller: PID  Sample Hole: 2  Range Temp.: RT +5~100°C  Temp. motion: ± 0.5°C  Temp. Resolution: 0.1°C  Temp. uniformity: ± 1°C  Capacity: 6L  Operation function: Fixed  temperature operation, timing  function, aut stop  Timer: 0-9999 min  Safety: Over temperature alarm  Sensor: NTC  Chamber Dimension:  300x135x150mm  Product Dimension:  318x168x210mm  Chamber Material:SS 304  Voltage: 220V / 50Hz</p>	1	Unit	✓	

		Power: 500W				
18	Hotplate with magnetic stirrer	<p>Specification  Max. Volume 3000mL or 3L  Stir Speed : 100 - 2000 rpm  Temperature Range : up to 380c  Exterior: Cast aluminium, Surface spraying  Plate Size : 170 x 170mm  Power : 220V/500W</p>	1	Paket	✓	
19	Blower	<p>Power: 60 watt  Air Flow: 6600 liter/jam  Pressure: 0.032 Mpa  Air Divider Outlets: 30ways (3 x 10 cabang = 30 cabang)  Dimension: 30x23x22cm (PxLxT)  Dilengkapi peredam suara dan filter penyaring debu</p>	2	Unit	✓	
20	Akuarium	<p>Bahan : Fiber Glass  Tebal : 3 mm  Volume 60 liter  Ukuran : 600 x 300 x 360 mm</p>	50	buah	✓	
21	Bak Fiber	<p>Bak Fiber 150x100x50cm sekat filter 20cm dengan 4 chamber dan sudah termasuk pembuangan  Volume 500 Liter</p>	4	buah	✓	

22	Curren Meter	<p>Batang telescoping 1,2 meter, tas pembawa dan dua sensor aliran; satu untuk air dan satu lagi untuk udara.</p> <p>Spesifikasi :</p> <p>Flowatch Kit Berat (Unit Display): 8,3 oz (230 g)</p> <p>Dimensi (Unit Tampilan): 2,5 " 2,5" 5,1 "(6,4 6,4 13 cm)</p> <p>Dimensi (Termasuk Kasus): 25 " 13.5" 3.5 "(63.5 34 9 cm)</p> <p>Flow Speed Unit: km / jam, mph, knot, m / s dan cm / s</p> <p>Kecepatan Arus Akurasi: +/- 5% dari - 10 hingga + 50 C</p> <p>Rentang Kecepatan Aliran: 2 hingga 150 km / jam</p> <p>Temp Unit: C, F dan windchill</p> <p>Temp Accuracy: +/- 1</p> <p>Fungsi Temp: Arus, minimum, rata-rata, suhu maksimum dan faktor windchill</p> <p>Kit Termasuk</p> <p>Data umum:</p> <p>Bidang aplikasi:</p> <ul style="list-style-type: none"> <li>- Ukur aliran sungai</li> <li>- Arus laut</li> <li>- Aliran limbah</li> <li>- Studi hidrologi</li> <li>- Cerobong asap</li> <li>- Saluran irigasi</li> <li>- Saluran AC</li> <li>- Poros ventilasi</li> <li>- Studi aerologis</li> </ul>	1	unit	✓		
23	Snorkel	<p>Spesifikasi :</p> <ol style="list-style-type: none"> <li>1. Quick clip attachment to mask strap;easy;</li> <li>2. clip release;</li> <li>3. quick tube release;</li> <li>4. vertical adjustments;</li> <li>5. 360° vertical rotation;</li> <li>6. 360°horizontal rotation</li> <li>7. 100% Superdry Top (patented).</li> <li>8. Long semi-rigid breathing tube, with bottom relief valve for instant purging.</li> <li>9. "Multi Clip" with special new tube clip.</li> </ol>	5	unit	✓		

24	Wetsuit	<p>Reef Mens Monosuit is a thinner 3 mm, full-length, steamer suit to protect you while snorkelling or diving in warmer waters and months from marine bumps and scrapes plus the tropical sun. Soft and flexible neoprene allows you to move in the water without being bulky or requiring a lot of lead to get down.</p> <p>Reef Steamer has long arms and long legs which will also protect you from sunburn and stingers. It has a rear Zip closure that is durable and will last with the correct care. Cut specifically for the Male body, this Mares Reef steamer hugs the body in all the right ways and in the right areas. Making sure a wetsuit fits correctly is a huge must as if it is too big then it defeats the purpose as a wetsuit is designed to be a second skin and be as tight as possible.</p> <p>Ukuran L (5 buah) Ukuran M (5 buah)</p> <p>FEATURES.</p> <ul style="list-style-type: none"> <li>- New, modern design with shoulder grip area</li> <li>- Cool, stretchy and ideal for temperate water</li> <li>- Ergonomic, comfortable Velcro closure and back zip puller</li> <li>- Wrist, ankle and neck seals enriched with Aquastop finish</li> <li>- Also suitable for multiple watersports</li> </ul>	10	Buah	✓	
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25	Scuba tank	<p>Durable, Long          -lasting, Safe Scuba cylinders          Our cylinder is made of          Proprietary 6061 alloy, which is a          balanced aluminum          -magnesium          -silicon blend.          All Cylinders are cycle          -tested over 100,000 times at          service          pressure to ensure the best          endurance and reliability          throughout          the usage of the cylinder.          Testing pressure up to 2.5 times          service or working pressure.          Made in USA, manufactured to US          DOT standard (Department          of Transport)          Corrosion          -resistant interior and exterior          with Thick, damage          -          resistant walls.          Working pressure 3300psi while          most existing cylinders has          3000psi working pressure*. That's          10% higher then other          cylinders.          Each cylinder comes with          certificate of material and DOT          requirement standard.          Choice of Standard and Neutral          -Balance cylinder.          Nitrox ready** : Semua tabung          kami siap untuk menggunakan          Nitrox hingga 40%**.          Service Pressure : 3000 psi / 207          BAR          Air Capacity : 77.4 ft<sup>3</sup> / 2798 Liter          Diameter : 7.3" (inch) / 18.41 cm          Lenght w/o Valve : 26.06" (inch) /          66.19 cm          Empty Weight : 31.3 lbs / 14.2 kg          Water Volume : 678.0 in<sup>3</sup> / 11.1          Liter          Weight w/o Valve : 24.44 lbs /          11.09 kg          Buoyancy at Sea (Full) :          -1.4 lbs /          -0.64 kg          Buoyancy at Sea (Half) : 1.5 lbs /</p>	10	Buah	✓
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		0.68 kg Buoyancy at Sea (Empty) : 4.4 lbs / 2 kg Thread Size : 0.750 -14 NPSM M25 x 2.0					
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26	BCD (Buoyancy Control Device)	<p>Ukuran sesuaikan dengan kebutuhan</p> <p>LIGHTWEIGHT</p> <ul style="list-style-type: none"> <li>- Weighing only 5kg in size S/M, the</li> <li>Magellan BCD delivers 18.5kg of lift.</li> <li>- ROBUST CONSTRUCTION - The body of the BCD is constructed from rugged 420 Cordura Nylon with Radio welded seams ensuring long-term durability. The weight pockets are reinforced with tough polyester and ABS plastic ensuring the don't fail, even after years of diving.</li> <li>- SIMPLE INTEGRATED WEIGHT SYSTEM - The Magellan features integrated weight system using quick releases for easy adjustable of weight.</li> <li>- WEIGHT POCKETS - Included weight pockets vary in size depending on the size of the BCD. XL includes two 13lbs (6kg) capacity pockets and 9lbs (4kg) for the M/L and XS/S.</li> <li>- BACK MOUNTED TRIM WEIGHT – The Magellan allows for rear mountain weight pockets, allowing you to distribute weight around your body more evenly.</li> <li>- LARGE FOLDING POCKETS - A large folding and selfdraining pocket is positioned on the right side of the cumberbund to store important items.</li> <li>- ALUMINIUM D-RINGS- Two 40mm D</li> <li>-Rings below the weight pockets, and two 25mm D</li> <li>-Rings on the shoulder straps.</li> <li>- 3 Pull</li> <li>-Dump/Overpressure Relief Valves</li> <li>- The Magellan features 3 pull</li> <li>-dump valve</li> </ul> <p>WEIGHT BCD:  XXS/XS = 2,3kg / S/M = 2,3kg / L/XL = 2,4kg</p> <p>BUOYANCY BCD:</p>	10	Buah	✓		
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XXS/XS / S/M / L/XL = 180N  
(18,3kg)

27

Regulator Selam

Stainless steel springs  
Piston Regulator 1st STAGE  
Maximum working pressure  
3,500psi(232bar)  
Intermediate pressure output 135-  
145PSI  
Four 3/8-24 UNF-2B intermediate  
pressure ports  
One 7/16-20 UNF-2B high pressure  
port  
Chromium plated brass body  
Stainless steel springs  
Weight : 727 gram

10

Buah



28	Ekman Grab	<p>Standard size L152xD152x152cm  PROTIRTA Complete with  stainless steel sling plastic coated,  messenger and PVC  carrying case HIGH QUALITY  EKMAN GRAB SAMPLER  LEG-150S EKMAN GRAB  SAMPLER/BOTTOM GRAB  SAMPLER Model LEG-150S [  Standard Size] Ukuran box :  152x152x152mm/6"x6"x6"  Volume capacity 3.5iters Fiture •  Scoops overlap to reduce samples  loss • Dependable release  closing • Stainless steel  construction • Lightweight yet  stable  due to wide base • Extra weight  available • Center pivot for  low bottom disturbance • 20meter  line with steel sling coater  plastic for strong Ekman Grab  Sampler • Ekman Grab sampler  LEG-150S ready to use with  assembly • Complete with Heavy  Duty PVC carrying Box rush  resistant even in sea water  EKMAN GRAB SAMPLER/BOTTOM  SAMPLER LEG150S Model : LEG -  150S (Standard Model) Box size :  152 X  152 X 152 mm ( 6" x 6" x 6 #34; )  Volume of box : 3.5 L  Weight : 3 Kg Sample area : 232  cm2 Include : Line 20meter  steel sling with plastic coated.  Massagers 500gam and PVC  Carrying Box</p>	1	Buah	✓		
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29	Regulator Selam	<p>Tahap Pertama (First Stage):  Model: MR12 dengan desain diafragma seimbang (balanced diaphragm). Sertifikasi: Bersertifikat CE EN 250:2000 untuk penggunaan hingga kedalaman 50 meter. Kesesuaian Air Dingin: Memiliki sertifikasi tambahan untuk penyelaman di air dingin (&lt;10°C) oleh RINA 0474.  Tahap Kedua (Second Stage):  Material: Konstruksi sepenuhnya dari logam untuk meningkatkan daya tahan dan kinerja. Desain Kompak: Ukuran kecil dan ringan untuk kenyamanan selama penyelaman. Tombol Purge Besar: Dilengkapi dengan tombol purge yang diperbesar untuk memudahkan penggunaan</p>	5	Buah	✓		
30	Octopus	<p>prevents free flow in the event of strong currents and is made of durable rubber that can withstand over 113,000 venting cycles. The patented Mares Vortex Assisted Design (VAD) system combined with the Fluid Dynamic Deflector (FDD) allows for natural breathing at all depths.</p>	5	Buah	✓		
31	WWeight Belt	<p>bahan Stainless Steel  Webbing Diving Weight Belt  Features:  - Approx 1.35m heavy duty 50mm webbing  - Sturdy, reliable stainless steel buckle  - For use with Lead Blocks</p>	5	Buah	✓		

32	Fin	<ul style="list-style-type: none"> <li>- Comfortable Foot Pocket</li> <li>- Rubberized Side Ribs</li> <li>- Blades Construction Optimizes Efficiency</li> <li>- 2 Channel Design For Added Propulsion</li> <li>- Durable Constraction</li> <li>- Constructed for optimum efficiency and maximum propulsion</li> <li>- Super-soft foot pocket keeps you comfortable all day long</li> <li>- Durable construction for years of use</li> <li>- Ideal entry-level swim fin for snorkelers, divers, and swimmers</li> <li>- Speed through the water like a dolphin</li> <li>- Ukuran disesuaikan dengan kebutuhan</li> </ul>	5	Buah	✓		
33	Google kaca mata selam	<p>Ukuran M = 5,L= 5 Bi-material frame</p> <ul style="list-style-type: none"> <li>- Medium-sized silicone face piece</li> <li>- Wide viewing angle</li> <li>- Possibility of optical lenses"</li> </ul> <p>Optical lenses are available for this model, with negative diopters from -1.0 to -7.0 and positive diopters from +1.5 to +3.0 Masker Kacamata Selam Scuba Dive</p>	10	Buah	✓		
34	Refrakto Salinometer	<p>Master - S28M (Cat.No2483) Measurement Range: Salinity: 0 100, Proportion: 1.000 1.070 Minimum Scale: Salinity: 1, Proportion: 0.001 Resolution: Salinity: 1 Proportion: 0.001 Material: Aluminum</p>	2	Buah	✓		

35	DO meter	<p>DO Range: 0 ~ 20.0 mg/L Oxygen in air: 0 ~ 100.0% Temp range: 0 ~ 50°C RESOLUTION: DO Range: 0.1mg/L Oxygen in air: 0.1% O2 Temp range: 0.1°C ACCURACY: DO Range: 0.4 mg/L Oxygen in air: 0.7% Temp range: 0.8°C Power Supply: 1× 006P DC 9V battery Dimensions: Main unit: 180 x 72 x 32 mm Oxygen probe: 290×28mm dia Weight: 335g ✕ FEATURE: *High precision DO measurement. *Dual function meter and display. *Polarographic type oxygen probe. *Auto temperature compensation. *Memory recall. *Auto power-off. *Built-in temperature. * Sensor structure : The polarographic type oxygen probe with incorporated temp sensor. ✕ ACCESSORIES (termasuk): 1× Oxygen probe ( OXPB-11 ) 1× Carrying case 1× Operation manual. 2× COXHD-04 Spare probehead diaphragm 1× OXEL-03 Probe filling electrolyte</p>	2	Buah	✓		
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36	pH meter	<p>pH - 0 to 14.00 pH, <math>\pm 1999</math> mV mV function for ORP electrode  Manual temperature compensation ATC via temp. probe TP07 RS232, Hold, Record (Min/Min), °C/ °F Push button calibration Water resistant front panel Accuracy <math>\pm 0.02</math> pH <math>\pm 2</math> digit.  * Professional pH/mV METER. pH range : 0 to 14 pH x 0.01 pH. mV range : -1999 mV to 1999 mV.  * The instrument is with mV ( millivolt ) function for mV measurement ( Beplugged with optional ORP probe ORP-04 to be a professional ORP meter) pH meter specifications  Measurement Measuring Range Resolution Accuracy pH 0 to 14 pH 0.01 pH (0.02 pH +2 d)  * Meter only mV -1999 mV to 1999 mV 1 mV (0.5% + 2)  * Meter only Standard Accessories :</p> <ul style="list-style-type: none"> <li>- Instruction manual</li> <li>- PE-03 PH Electrode Optional Accessories :</li> <li>- ATC temp.probe, TP-07</li> <li>- ORP electrode, ORP-14</li> <li>- Hard carrying case, CA-06</li> <li>- Buffer Solution Lutron PH-04</li> <li>- Buffer Solution Lutron PH-07</li> <li>- USB-01 USB Cable</li> <li>- Data Acquisition Software, SW-U801-WIN</li> </ul>	2	Buah	✓		
37	Scidis	Bahan Hitam Putih Heavy Plastik tebal Diameter 280- 300 mm termasuk tali	2	Buah	✓		
38	Botol Water sempler	Material : Bottle PVC with thick 4.5 mm, Vertical, End Seal (high quality nylon plastic), Air/drain valve (Plastic MC), Trip Assembly (High Quality Nylon and Stainless steel), Cable Assembly (Stainless Steel) and Line approx 20meter / can be requested when order Bottle Dimensions Capacity : 5.0liter Bottle diameter : 11 cm Bottle length : 75cm Complete with accessories	2	Buah	✓		

39	Digital Microscope	<p>include 4 fully achromatic objective lenses, a mechanical stage, a 4.3" TFT color LCD touchscreen, a 5-megapixel CMOS sensor, and a 2-GB SD card for storing captured images. Magnification from 40x to 400x ( x with 4x digital zoom) makes TetraView ideal for viewing a range of cellular specimens on slides. Rotate the LCD screen up to 180 to share images with others. For a bigger audience, use the TV output to display images on a television or projector. Advanced and affordable, the Celestron TetraView is an excellent tool for classrooms, labs, and serious hobbyists.</p> <ul style="list-style-type: none"> <li>* Still or video image capture and storage</li> <li>* Quadruple nosepiece with 4x, 10x, 20x, and 40x objectives</li> <li>* Total magnification from 40x to 400x ( x with 4x digital zoom)</li> <li>* 2-GB SD card - SD slot supports up to 32-GB card</li> <li>* 3-1/2 x 3-1/2" mechanical stage for easy slide scanning</li> <li>* Coarse- and fine-focus adjustments</li> <li>* Filter wheel with 3-position diaphragm</li> <li>* 2.0 USB cable to upload images to a computer</li> <li>* Universal AC adapter; also accepts 4 AA batteries (not included) for field use</li> <li>* Includes 7 prepared slides, touchscreen pen, carrying case, video cable, and dust cover</li> <li>* Two-year limited warranty</li> <li>* Size, 13" H x 5-1/2" W x 7" D; wt, 4 lb</li> </ul>	1	unit	✓		
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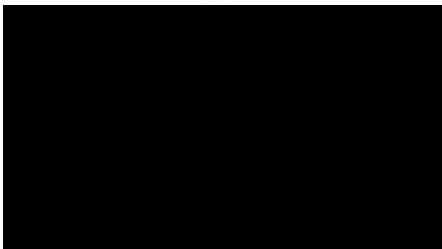
40	Autoclave	Valid volume : 50L Working pressure : 0.22Mpa Working temperature : 134C Max. Working pressure : 0.23 Mpa Heat average : 1C Timer : 0 ~ 60min Adjustment of temperature : 105 ~ 134C Overall dimensions : 560 x 560 x 980 mm, 590 x 590 x 1080 mm	1	unit	✓		
41	Rotary Evaporator	Evaporator: Type of cooling vertical condenser Collect flask 1000ML, Rotary Flask 2L Motor Power 40W Bath power 1000w Bath Material Stainless steel combined bath. Sealing Teflon + Fluorelastome . Evaporation rate 2L/ H  Chiller: Electrical requirements watts Compressor Make: Embraco Number of compressor: one Refrigerant: R404A Cooling capacity at 0C/32F: 400 W Recirculating pump Output: 15 watts Pumping speed: 17 L/min or 4.5 gallon/min Capacity: 3 liters or 0.8 gallons	1	unit	✓		

42	Spectro fluorophotometer	<p>Excitation Source :  150W xenon lamp Hamamatsu,  Excitation Wavelength  :200nm~900nm,  Emission Wavelength  :200nm~900nm,  Excitation Slit  :F97XP/F97Pro : 2nm5nm、 10nm  、 20nm F97 : 10nm,  Emission Slit  :F97XP/F97Pro : 2nm、 5nm、 10n  m、 20nm F97 : 10nm,  Wavelength Accuracy : F97XP  : ±0.4nm F97/ProF97 : ±1.0nm,  Wavelength Repeatability  :F97XP : ≤0.2nm  F97/F97Pro : ≤0.5nm, Signal-  toNoise Ratio :F97XP :  Raman peak of water (P-  P) : S/N≥200  10nmSlit) F97/F97Pro :  Raman peak of water (P-  P) : S/N≥150 (10nmSlit, Limit:  F97XP : ≤5×10<sup>-11</sup> g/ml  (Quinine Sulfate  Solution) F97/F97Pro : ≤1×10<sup>-10</sup>  g/ml  (Quinine Sulfate  Solution),Linearity: γ≥0.995,  Peak Repeatability  :≤1.5%,Stability(10min) :Zero  Drift : ±0.3,Value Limit : ±1.5%,  Wavelength Scan Speed : Multi-  speed Level, Maximum at  48000nm/min,  Photometric Quantity Range: 0.00-  10000.00,  Data Transportation : USB2.0,  Power :200W, Power Source : AC  220V/50Hz ; 110V/60Hz</p>	1	Unit	✓		
43	Digital Ultrasonic Bath	<p>Volume (L) 17.5  Ultrasonic Power (W) 300  Temperature Range (°C) +5 to 70  Operating Frequency (kHz) 32-38  Timer (minute) 0-99  Berat (Kg) 12.6</p>	1	Unit	✓		

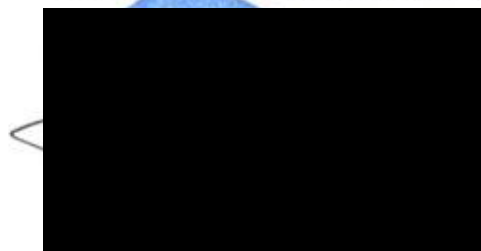
44	Blower supercharge, instalasi aerasi, uniring	<p>Aerator : blower super carger amr500 2hp double pulley, Inverter hnc hv 610 1 phaese 2800 rpm</p> <p>Instalasi aerasi : pipa pvc 1/2" aw Lbow 1/2" aw, T 1/2" aw, Pipa pvc 1,5" aw, T 1,5" to 1/2", dop 1,5".</p> <p>Uniring : 25mm ukuran 5 inch, Connector 1/2", Pemberat 3 cm, drat dalam aw 1/2", stop kran aw 1/2"</p>	1	Unit	✓	
45	Electrophoresis bio rad minisub dan power supply elite 300 for Electrophoresis	<p>Specifications: Gel Size (width x Length): 15 x 10 cm Sample Throughput: 10 - 60 Base Buffer Volume: 0.65 L Cell Size (W x L x H): 17,8x 25,5x 6,8 cm Distance to Electrode: 14.5 cm Bromphenol Blue (Dye) migration rate (at 75 V): 4.5 cm ReadyAgarose gels accommodated: YES Specifications of Power Pac Basic Power Supply Output specifications: 10 - 300 V, fully adjustable in 1 V steps 4 - 400 mA, fully adjustable in 1 mA steps 75 W (Maximum) Type of output: Constant voltage or constant current with automatic crossover Output terminals: 4 pair recessed banana jacks in parallel Timer : 1 min - 999 min, fully adjustable Pause/resume function: Yes Display: 3 digit LED Operating conditions : 0 - 40 C 0 - 95% humidity (noncondensing)</p>	1	paket	✓	

Regulatory: EN 61010-1, CE Safety  
features: No-load detection  
sudden load change detection  
overload/short circuit detection  
overvoltage protection Input  
protection: Fuse on both hot and  
neutral Input Power (actual):  
90-120 or 198-264 VAC, 50/60 Hz,  
autoswitching Dimensions  
(WxDxH): 21 x 24,5 x 6,5 cm  
Weight: 1,1 kg (2,4 lb)

Tanggal 28 Mei 2025  
Personil Penerima Hasil Pekerjaan  
Universitas Padjadjaran,



CV. PRATAMA ABADI SEJAHTERA,



Direktur