



# PT. EMY CHEMLAB PERDANA

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Jakarta, 08 Juli 2024

Nomor : 456-ECP/SPH-IPB/VII/2024  
Lampiran : Terlampir

Kepada Yth :  
**Tim Kerja Pemilihan UP IPB**

di  
**Institut Pertanian Bogor**

Perihal : Penawaran Pekerjaan **Pengadaan Peralatan Laboratorium Ruang Program PUAPT IPB 2024 (Ulang)**

Sehubungan dengan pengumuman Pengadaan Kompetisi dengan Pascakualifikasi dan Dokumen Pengadaan Nomor : **114.2/IT3.P2/TU/LP/Ulang/2024** Tanggal **28 Juni 2024** dan setelah kami pelajari dengan saksama Dokumen Pengadaan dan Berita Acara Pemberian Penjelasan [*serta Addendum Dokumen Pengadaan Nomor : 114.1/IT3.P2/TU/LP/ADD/Ulang/2024 Tanggal 03 Juli 2024*], dengan ini kami mengajukan penawaran untuk pekerjaan **Pengadaan Peralatan Laboratorium Ruang Program PUAPT IPB 2024 (Ulang)** sebesar **Rp 5.878.129.589,- (Lima Milyar Delapan Ratus Tujuh Puluh Delapan Juta Seratus Dua Puluh Sembilan Ribu Lima Ratus Delapan Puluh Sembilan)**. Termasuk pajak – pajak yang berlaku.

Penawaran ini sudah memperhatikan ketentuan dan persyaratan yang tercantum dalam Dokumen Pengadaan untuk melaksanakan pekerjaan tersebut di atas.

Penawaran ini berlaku sejak batas akhir pemasukan dokumen penawaran sampai dengan tanggal **7 Agustus 2024** dengan masa pelaksanaan 120 (Seratus Dua Puluh) hari kalender.

Sesuai dengan persyaratan, bersama Surat Penawaran ini kami lampirkan :

1. Daftar kuantitas dan Harga;
2. Surat Perjanjian Kemitraan/Kerja Sama Operasi, (apabila peserta berbentuk Kemitraan/KSO);
3. Dokumen penawaran teknis, terdiri dari :
  - a. Sesuai dengan persyaratan dalam Lembar Data Pemilihan (LDP)
  - b. Dokumen Kualifikasi

Surat Penawaran beserta lampirannya kami sampaikan sebanyak 1 (satu) rangkap asli.

Dengan disampaikannya Surat Penawaran ini, maka kami menyatakan sanggup dan akan tunduk pada semua ketentuan yang tercantum dalam Dokumen Pengadaan.

PT. EMY CHEMLAB PERDANA



**Rionaldy**  
Direktur



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**DAFTAR KUANTITAS DAN HARGA**  
**PENGADAAN PERALATAN LABORATORIUM RUANG PROGRAM PUAPT IPB 2024 (TENDER ULANG)**  
**INSTITUT PERTANIAN BOGOR**  
**TAHUN ANGGARAN 2024**

No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah Satuan	Harga Satuan (Termasuk PPh)	Jumlah Harga (Termasuk PPh)
1.	Surface and depth soil temperature (two layer root zone) and Soil moisture (two layer root zone) with datalogger and wifi IOT	1. Mega 2560 R3 Arduino 2. Soil Probe Soil Moisture Sensor	1. Mega 2560 R3 Arduino 2. Soil Probe Soil Moisture Sensor	1. Mega 2560 R3 Arduino Specifications: Compatible microcontroller with esp8266 wifi IOT-Real Time Clock DS3231 with battery RTC module Arduino Compatible 2. Soil Probe Soil Moisture Sensor Specifications: Compatible Mega 2560 R3 microcontroller-Ds18b20 waterproof temperature sensor-Box electronic 6X-Rainbow Cable + Jumper-Micro SD Card Memory 264 GB-Powerbank with solar cell 2 Port 5 volt 20000mAh	110	1.605.000	176.550.000
2.	Water Bath	Memmert	WTB 15	WATERBATH RACK TYPE WTB15, MEMMERT Ukuran/Dimensi: Dimensions W x H x D : w(A) x h(C) x d(B); 482 x 150 x 277 mm Keterangan Lainnya Temperature Working temperature range : at least 5 above ambient to +100 (depending on ambient pressure) Setting temperature range : +10 to +100 °C Setting accuracy temperature : 0.1 °C Control of standard components : Controller intuitive 3.5" colour graphic display with touch screen Safety Interior Deep-drawn stainless steel tray (stainless steel W St. 1-4301), without corners and edges for easy cleaning incl. central drain (no disturbing installations) Dimensions W x H x D : w(A) x h(C) x d(B); 482 x 150 x 277 mm Volume : 17 l Textured stainless steel casing Dimensions w(D) x h(E2) x d(F) : 554 x 348 x 349 mm Electrical data Voltage : 230 V, 50/60 Hz Electrical load : approx. 1420 W Dimensions approx incl. carton w x h x d : 670 x 530 x 400 mm Net weight approx. : 9 kg Gross weight carton approx. : 14 kg Kelengkapan Produk Waterbath WTB15 WTB15B48829 : Test tube racks, holes 2-row racks, 36 holes, dia. 18 mm each (bath capacity 3 racks), AKSESORIS WTB 15 MODEL RACK	2	25.865.645	51.731.290



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
3	Shaker	Taitec	Model BR-23UM	<p>Bioshaker Model BR-23UM, TAITEC</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> <li>- Temperature Range 5 °C above RT to 70 °C</li> <li>- Shaking motion Reciprocal/Orbital</li> <li>- Temp. control accuracy (*1) ±0.2 to ±0.4°C</li> <li>- Speed range 20 to 300 r/min (200 r/min at the upper of stacked units)</li> <li>- Shaking width 25mm (≠ 1inch Platform size 290 x 250 mm (Max. inside height: FP/FH = 270 mm, UM = 315 mm)</li> <li>- Capacity Erlenmeyer flask 500 mL x 4, 2 L x 1</li> <li>- Door Style Swing lift-up door, Maximum load Approx. 3.5 kg (Platform and Vessel holder included)</li> <li>- Ambient temp. range +5°C to +35°C</li> <li>- Heating method Heater (350 W)</li> <li>- Display (Temp. and Speed) Digital Display</li> <li>- Safety devices/functions Leakage/Overcurrent breaker, Fuse, Alarm of abnormal sample temp. (Set as desired), Detecting the door opening and closing, Self-diagnosis function for sensor error, Motor current limiter, Overcurrent protection of Peltier (FP)</li> <li>- Dimensions 422 x 550 x 540H mm</li> <li>- Weight Approx. 43 kg</li> <li>- Power supply (*3) AC100V/5A (Need a step-down transformer)</li> <li>- Standard accessories Drain nozzle x1pc, Drain hose x1pc</li> </ul>	1	Unit	87.661.087	87.661.087
4	Indomicro HDMI Digital Camera	Indomicro	Indomicro 02	<p><u>Specifications:</u></p> <ul style="list-style-type: none"> <li>- Sensor : Sony (C)</li> <li>- Sensor size : 1/2 inch (7.2x4.05) (assemble with Cmount 0.5x lens, can achieve 80% field of view)</li> <li>- Live resolution : 1920x1080</li> <li>- Frame speed : 1920x1080 50fps via USB2.0 1920x1080 60fps via HDMI</li> <li>- Image record : High speed SD card</li> <li>- Video record : 1080P 60fps</li> </ul>	1	Set	29.692.500	29.692.500
5	Laminar Flow Cabinet	LabTech	LCB-1801V	<p>Laminar Flow Clean Bench-Platinum Model LCB-1801V</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> <li>Air Volume 20300<sup>3</sup> /h</li> <li>Light UV 40 W x 1 EA, FL 40W x 1EA</li> <li>HEPA Filter Class 100, purity 0.3 μm particle removal 99.99%</li> <li>Material Interior Stainless Steel 304 Exterior Standard-Epoxy powder coated Eleicro Galvanized steel</li> <li>Ukuran/Dimensions Inner 1790 x 550 x 650 Outer 1950 x 800 x 1880</li> </ul>	2	Unit	105.301.513	210.603.026



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
6.	Refrigerated Microcentrifuge	Hermle Benchmark	Z216-2420	<p>High speed microcentrifuge Model Z216-2420</p> <p>Hermle Benchmark</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- Speed Range: 200 to 15,000 rpm</li> <li>- Max. RCF: 21,631 xg</li> <li>- Max. Capacity: 44 x 1.5/2.0 ml</li> <li>- Temp. Range: -20°C to 40°C</li> <li>- Dimensions: 11 x 21.6 x 11.4 in.   28 x 29 x 55 cm</li> <li>- Timer: up to 99 hr, 59min and continuous</li> <li>- Weight: 77lbs (35kg)</li> <li>- Electrical: 120V, 60Hz</li> <li>- Including: 24 x 1.5/20ml rotor</li> </ul>	1	146.590.000	146.590.000
7.	UV-Transilluminator	Maestro	MLB-21	<p>Specifications:</p> <ul style="list-style-type: none"> <li>- Size : 210 (D) x 260 (W) mm</li> <li>- Wave Length : 302 nm and 365 nm</li> <li>- UV Lamp : T5-8W-302 5pcs, T5-8W-365 6pcs</li> <li>- Uniformity : 10% CV</li> <li>- Blocking Cover : Aluminium alloy metal Frame</li> <li>- Filter : UltraSafe UV blocking (block 99,99% uv transmittance)</li> <li>- Light Intensity : 100% or 50%</li> <li>- Power: 100-240 V AC/ 50-60 Hz</li> <li>- Dimensions : 340(W)X 280(D) X 80(H) mm</li> <li>- Weight : 4.3 Kg</li> </ul>	1	16.580.179	16.580.179
8.	Oven	Memmert	UN55	<p>Memmert Oven Laboratorium UN55 53L</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- Set temperature range in C min. 5C above ambient up to +300C</li> <li>- Temperature 1 Pt100 sensor DIN class A in 4-wire-circuit</li> <li>- Internals 1 stainless steel grid(s), electropolished</li> <li>- Interior easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides</li> </ul>	1	24.406.700	24.406.700
9.	Oven Analisis Tanaman dan Tanah	LabTech	HI Temp Oven LDO-250T	<p>LabTech</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>- Brand Name : LabTech</li> <li>- Product Name : HI Temp Oven LDO-250T</li> <li>- Material : Interior Stainless Steel Exterior Epoxy powder coated Steel</li> <li>- Dimensi: Inner 700 x 600 x 600 Outer 850 x 795 x 1052</li> </ul>	1	77.840.263	77.840.263



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10.	Sensor Nitrate Horiba Laqua	Horiba	LAQUA NO3 2000-S	<p>- Note : Capacity 252l Temperature Range Ambient +5°C to 350°C, Set Accuracy ±1.0°C, Uniformity ±2.0°C at 200°C, Heater 4kW, PID Multi-Function Controller (Optional Programmable Controller), LED 4 Digits Display, Timer 99min 59sec. / 99hr 59min / 99days 23hours / Continuous Selectable, Hot Air Circulation Blower with Sirocco Fan, Insulation Ceramic and Glass Wool Board</p> <p>Horiba LAQUA NO3 2000</p> <ul style="list-style-type: none"> <li>- Specifications:</li> <li>- Brand Name : Horiba</li> <li>- Product Name : LAQUA NO3 2000-S</li> <li>- pH Range: -2.000 to 20.000 pH</li> <li>- pH Resolution: 0.1 / 0.01 / 0.001 pH</li> <li>• pH Accuracy: ± 0.003 pH</li> <li>• pH Buffer Groups: USA, NIST, NIST2, DIN, Custom</li> <li>• pH Calibration Points: Up to 5 (USA, NIST, NIST2) / Up to 6 (DIN, Custom)</li> <li>• ORP Range: ± 2000.0 mV</li> <li>• ORP Resolution: 0.1 mV</li> <li>• ORP Accuracy: ± 0.2 mV</li> <li>• ORP Calibration Option: Yes (Up to ± 200 mV)</li> <li>• Ion Range: 0.000 µg/L to 9999 g/L</li> <li>• Ion Units: µg/L ↔ mg/L ↔ g/L, ppm ↔ ppt, mmol/L ↔ mol/L</li> <li>• Ion Resolution: 4 Significant digits</li> <li>• Ion Accuracy: ± 0.3% full scale or ± 0.2 mV, whichever is higher</li> <li>• Ion Calibration Points: Up to 5</li> <li>• Temperature Range: -30.0 to 130.0 °C / -22.0 to 266.0 °F</li> <li>• Temperature Resolution: 0.1 °C / °F</li> <li>• Temperature Accuracy: ± 0.5 °C / ± 0.9 °F</li> <li>• Temperature Calibration Option: Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)</li> <li>• Memory: 2000</li> <li>• Auto Data Log: Yes</li> <li>• Real-time Clock: Yes</li> <li>• Date &amp; Time Stamp: Yes</li> <li>• Measurement Modes: Auto Stable / Auto Hold / Real Time</li> <li>• Offset &amp; Slope Display: Yes (Segment &amp; Average Slopes)</li> <li>• Calibration Alarm: Yes (Programmable: up to 90 days)</li> <li>• Auto Shut-Off: Yes (Programmable: up to 30 mins.)</li> <li>• Electrode Status: On screen display</li> <li>• Diagnostics: Yes</li> <li>• Password Setting: Yes</li> </ul>	3	45.501.750	136.505.250



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No	Nama Barang	Merik	Type	Spesifikasi Teknis	Jumlah Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
11.	Timbangan	Biobase	BA2204B	<ul style="list-style-type: none"> <li>• Software Upgrade: Yes</li> <li>• PC / Printer Communication: Phono jack (USB / RS232C)</li> <li>• Meter Inputs: 2 x BNC, 2 x phono (ATC), DC sockets</li> <li>• Display: 5" Custom LCD with backlight and 320 segments</li> <li>• Power Requirement: AC adaptor 100 - 240V, 50 - 60Hz</li> <li>• Dimensions &amp; Weight: 155(L) x 150(W) x 67(H) mm, 765g</li> </ul> ANALYTICAL BALANCE Z20 G Ukuran/Dimensi 350*215*340mm Capacity 0~220g Keterbacaan 0.1mg Ukuran Skala φ80mm Ketinggian Ruang Kerja 240mm Calibration Sumber Daya listrik: AC110/220V±10%, 50/60Hz; Kabel Listrik, tanpa baterai	1	11.235.000	11.235.000
12.	Water Distiller	Dalhan	W4L	<ul style="list-style-type: none"> <li>* Kapasitas : 4 Liter / Hour</li> <li>* Power Supply : 220/240 V, 50/60Hz, Single</li> <li>* Conductivity (treated water) : 3.0 - 4.0 s/cm</li> <li>* pH : 5.0 - 6.5 pH</li> <li>* Distillate quality : Pyrogen free</li> <li>* Dimensions : 50 x 15 x 45 cm</li> <li>* weight : 5,25 kg</li> <li>* Electricals : 220/240 V, 50/60 Hz, single phase W4L</li> </ul>	1	11.413.332	11.413.332
13.	Mikroskop Digital	Dino-Lite	AF3113T	Resolusi 640 x 480 perbesaran 20x, 55x, 220x Pemicu MicroTouch built-on	1	5.518.578	5.518.578
14.	Spectrophotometer	Hach	DR3900	Spectrophotometer DR 3900, HACH LANGE standard test methods, LabMart.id	1	148.758.911	148.758.911
15.	Digital balance	Ohaus balance ± 0.01 g, Analytical balances Pioneer® PX	Ohaus Scout SPX123	Ohaus Scout SPX123 Portable Balance 120G x 0.001 gram	2	9.961.191	19.922.382
16.	USG 4D - 4 Dimensi Portable	Sogata	SG30P	SOGATA SG30P+MICRO CONVEX PROBE+LINEAR PROBE	1	106.571.100	106.571.100



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17.	Micropipet	Eppendorf	3123 000 020 + 3123 000 047 + 3123 000 055 + 3123 000 063	Eppendorf terdiri dari : Micropipette 10 uL Micropipette 100 uL Micropipette 200 uL Micropipette 1000 uL	6	29.011.552	174.069.312
18.	UV-Vis Spectrophotometer	Top Scien	UV-8000TA	Name : UV/Vis Spectrophotometer Double Beam Type : UV-8000TA Merck : Top Scien <b>Technical Specification</b> Wavelength Range : 190-1100nm Spectral bandwidth : 1.0 nm Wavelength Accuracy : ±0.1nm(D2.656.1nm), ±0.3nm at full range Stray light : 0.03% T @ 220 nm, 360 nm Wavelength Repeatability : ±0.1nm Photometric Accuracy : ±0.2%(0-100%T) ±0.002Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs) Photometric Repeatability : ±0.1%(0-100%T) 0.001Abs(0-0.5Abs) 0.002Abs(0.5-1.0Abs) Stability : ±0.0004A/h@500nm, Photometric Range : 0-200%T, -0.3-3.0A, 0-9999C Baseline flatness : ±0.001A, Noise : ±0.0004A Display : 800*480 touch screen Data Output Port : USB Print Port : USB Port	1	155.680.180	155.680.180
19.	Direct Heat CO2 Incubator	Daihan Labtech	LCO-065AI Air Jacket CO2 Incubator	Infra-Red CO2 Sensor by Digital Signal Processing • Auto Zero Calibration • Precise Digital Controller • Reliable and Accurate Temperature Control • Optional RS-485 Communication Interface • Optional Mobile alert system • Interior chamber: Stainless Steel (SUS 304). Exterior chamber: Epoxy powder coated steel • Door material: Tempered Safety Glass (Inner), Silicone Packing Double Door (Outer) • Safety: Over Temp Protector, Alarm Device, Leakage Breaker • Circulation Fan	1	84.406.662	84.406.662



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20.	Tangki Nitrogen Cair	YDS3	YDS3	YDS3 Wadah Nitrogen Cair, 3 Liter UKURAN 3 LITER, DIAMETER 50 MM, TINGGI 450 MM	2	Unit	11.556.000	23.112.000
21.	Laminar Air Flow	Local	SAP LAF-900	Specification Dimension 900 x 800 x 1800 mm Material Plywood Hepa Filter 99,999% Effectivity	1	Unit	52.558.400	52.558.400
22.	Centrifuge	Hettich	Universal 320R	- Power Supply / Frequency : 200-240 V1 / 50 HZ - Consumption : 800 VA - Capacity Unit : 28 x 15 ml - Speed (RPM)/ RCF : 15000/21382 - Running Time : 1 Sec - 99 Min : 59 Sec - Dimension : H346 x W407 x D698 mm - Weight, approx : 52 kg - Temperature Setting : -20 to + 40°C <b>Include Accessories :</b> - Swing Out Rotor (Cat. No. 1624 = 1 pc) - Carrier (Cat. No. 1742 = 4 pcs)	2	Unit	160.592.540	321.185.080
23.	Micro Centrifuge	Thermo Scientific	Fresco 21	Max RCF: 21,100 Xg Max Speed: 14,800 rpm Max Noise Level: 56 dBA (ventilated); 50 dBA (refrigerated) Acceleration/Deceleration Rates: 11/12 seconds (ventilated); 10/12 seconds (refrigerated) Time Set Range: 1 min - 99 min; 1 min increments + HOLD mode Temperature Range: Set from -9 °C to +40 °C per 1 °C increment Certifications: CSA certified, CE marked, IVD compliant, Certified biocontainment1 Technical Standards: IEC 61010-1, IEC 61010-2, IEC 61010-020 Dimensions (H x W x D): 330 x 295 x 445 mm Informasi Lainnya Includes 24 x 1.5/2.0 mL rotor with Click Seal biocontainment lid	1	Unit	70.825.082	70.825.082
24.	Cryopreservation Unit	As One	As One	AS ONE Cryopreservation Unit (Mr. Frosty) Specifications: - Accurate freezing at -1°C/min rate suitable for cryopreservation of cells	1	Unit	6.174.852	6.174.852
25.	Bioreactor for Animal Cell Culture	Esco	2230006	CelCradle Stage: 264 W x 359 L X 170 H mm CelCradle Controller: 137 L x 226 W x 40 D mm	1	Unit	221.711.711	221.711.711





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26.	High Pressure Cell Disruption	Infitek Ultrasonic Cell Disruptor	USCG-250N	<p>Automatic resonance point and power control, without frequent manual energy adjustment. The 99 hour process control timer controls the total working time: from 1 second to 99 hours, and pauses the current running task in real time. The working time is displayed in cumulative status. On / off pulse timer: ensure high-intensity processing of temperature sensitive samples, and the on and off cycles can be set from 1 second to 99 minutes. Automatic amplitude compensation ensures that the probe amplitude does not change due to load changes during the ultrasonic process. Sample overload and over temperature protection device. Automatic frequency tracking and fault alarm. Easy to operate, direct typing.</p> <p><b>SPEKIFIKASI</b>            Electricity : 220V/50Hz 150W            Frequency : 20KHz            Power regulation : 0%~100%, 5% increment            Ultrasonic mode : Pulse mode / continuous mode            Timing function : LCD, 1s~99h adjustable            Piezoelectric frequency conversion energy converter : CV33, PZT lead zirconate titanate piezoelectric ceramics            Diameter : 44mm            Length : 152mm            Luffing lever material : Titanium alloy material TI-6AL-4V            Luffing lever length : 125mm            Processing capacity : 2~100ml (need to select the corresponding horn)            Standard probe : φ6mm            Host size : 245*365*245mm            Soundproof box size : 240*250*390mm            Host weight : 8.5Kg            Soundproof box weight : 4.5Kg            Lifting table : Stainless steel 100*100mm</p>	1	Unit	56.912.432	56.912.432
27.	Shaking Incubator	Maskot	SIC 50	<p>MASKOT Shaking Incubator 50 Liter SIC 50</p> <p>Specifications:            - Inside Volume : 50 L            - Display : LCD Display            - Temp. Control : PID Control            - Temp. Range : Suhu Kamar + 5~65 C            - Temp. Akurasi : ± 0.2 C            - Temp. Resolusi : 0.1 C            - Shaking Motion Orbital : 20 mm            - Shaking Speed : 30~300 rpm            - Tray Plate : Spring Wire Rack            - Tray Size : 380 x 320 mm</p>	2	Unit	49.589.150	99.178.300



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28.	Freeze Dryer	Biobase	BK-FD10P	<p>Model BK-FD10P</p> <ul style="list-style-type: none"> <li>Type : Standard chamber with 8 port manifold</li> <li>Freeze Drying Area : 0.12m<sup>2</sup></li> <li>Tray 4 pcs</li> <li>Height Between Trays 50mm</li> <li>Cold Trap Temperature s-60°C(No load)</li> <li>Cold Trap Capacity 6L</li> <li>Cold Trap Size (Diameter*H) Φ219*140mm</li> <li>Vacuum Degree ≤5 Pa</li> <li>Water Capture Capacity 3-4L/24h</li> <li>Tray Size (D*H) : Φ200*20mm</li> <li>Freeze Drying Time : 36h</li> <li>Loading Capacity/Shelf (Liquid) : 1.2L</li> <li>Total Loading Capacity (Liquid) : 2.4L</li> <li>Drying Chamber Size (Diameter*H) : Φ260*465mm</li> <li>Refrigerant : -60°C; R600a</li> <li>Cooling System Standard: Air cooling</li> <li>Power Supply : Standard; 220V 50Hz Optional: 220V 60Hz</li> <li>Power Consumption 1300W</li> <li>External Size (W*D*H), mm : 640x610x650</li> <li>Package Size(W*D*H),mm; Main Body 735x720x760mm; Accessory 720x605x560mm</li> <li>Gross Weight 80 kg</li> </ul>	1	Unit	64,200,000	64,200,000
29.	Egg Analyzer	Orka Food	Egg Tester Plus	<p>spesifikasi berbeda dengan spek referensi harga</p> <p>Product specifications:</p> <ol style="list-style-type: none"> <li>Egg weight: 20.0 gr – 300 gr +/- 0.2gr</li> <li>Albumen height: 2mm - 15mm +/- 0.2mm</li> <li>Yolk color: 1 through 16 according to the DSM Yolk color fans (support 16 colors)</li> <li>Haugh unit: 0 - 130</li> </ol>	1	Unit	196,547,256	196,547,256



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
30.	Anaerobic Chamber	Drawell-China	DW-LAI-3	<p>5. USDA Grades:            - AA : 72 or more            - A : 71.9 - 60            - B : 59.9 - 31            - C : 30.9 or less            6. Built-in printer            7. Supply voltage: AC90V - 240V 54W            8. Measurement: 300 (W) x 300 (H) x 390 (D) mm            9. Weight: Approx. 8 Kg</p> <p>Anaerobic Incubator Inkubator Anaerobik Time for creating anaerobic state &lt;5 minutes, maintenance time for anaerobic &gt;12hours, power rating 600 W, Spesifikasi dilengkapi diambil dari brosur pdf            Time for creating anaerobic state in sample chamber : &lt; 5 minutes            Time for creating anaerobic state in operation chamber : &lt; 1hr            Anaerobic environment maintenance time : &gt; 12hrs(when no supply of mixed gas)            Temperature Range : RT+3--60°C            Temperature Stability : &lt;±0.3°C            Temperature Uniformity : &lt;±1°C            Display Resolution : 0.1°C            Timing Range : 1--9999min            Power Rating 600W            Power Supply AC : 220V, 50HZ            Net/Gross Weight (kg) : 240/320            Interior Chamber Size : (WxDxH)cm 30x19x29            Operation Chamber Size : (WxDxH)cm 82x66x67            Exterior Size : (WxDxH)cm 126x73x138            Package Size : (WxDxH)cm 139x92x156</p>	1	Unit	100.045.000	100.045.000
31.	Autoclave	GEA	LS-50LD	<p>Merk GEA, PDI KBKI4491999004            Specifications:            - Volume 50 Liter            - Overall dimension 520 (D) x 520 (W) x 980 (H) mm            - Heating element power 2 kW            - Voltage 220/240v, 50/60 Kz            - Weight 50 Kg            - Temperature display range 105° to 134 °C</p>	1	Unit	22.871.250	22.871.250



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah Satuan	Harga Satuan (Termasuk PPh)	Jumlah Harga (Termasuk PPh)
32.	Minitube (Semen Analysis)	Minitube	Androscope (12500/3000)	<ul style="list-style-type: none"> <li>- 1x AndroScope</li> <li>- 1x USB-stick with software</li> <li>- 1x Cable for connecting AndroScope to Windows® device</li> <li>- 25x Disposable counting chamber Minitube, 20 µm (Ref. 12050/0220)</li> <li>- 25x Test tube 2 ml with cap (Ref. 14602/0904)</li> <li>- 100x Disposable capillary tube for filling the counting chamber (Ref. 15404/0100)</li> </ul>	1	101.216.215	101.216.215
33.	Hematology Analyzer	Tekom	TEK8520	<p>Specifications:</p> <ul style="list-style-type: none"> <li>21 Parameters</li> <li>3 Diff.</li> <li>60 Test/ Jam</li> <li>2 Chamber</li> <li>LAN, LIS</li> <li>Predilute Mode (Untuk Bayi): 20 uL</li> <li>Whole Blood Mode: 10 uL</li> </ul>	1	84.267.850	84.267.850
34.	Rotor for 2-ml centrifuge	Eppendorf	EPPENDORF Rotor F-45-24-11 (1.5-2 mL for Centrifuge 5702)	<p>Max. Speed : 1,770 x g (4,400 rpm)</p> <p>Fixed-angel rotor for 24 x 1,5/2,0 mL tubes</p>	1	17.459.190	17.459.190
35.	Rotor for 50-ml centrifuge	Eppendorf	EPPENDORF Rotor A-4-38 for 15-50 mL for Centrifuge 5702, bucket 100mL	<p>Eppendorf Rotor A-4-44, incl. 4 buckets for 2 x 50 mL conical tubes</p> <p>Spesifikasi diambil dari spesifikasi acuan referensi</p> <p>Ukuran/Dimensi 40 x 30 x 30 cm (W x D x H)</p> <p>For use in Centrifuge 5702/R/RH</p> <p>Max. Speed : 3.000 x g / 4,400 rpm</p> <p>Standard rotor for centrifugation of blood collection tubes or 15/50 mL conical tubes</p> <p>Round buckets for vessels with 1.5 mL - 100 mL Aerosol-tight caps for safe centrifugation of hazardous samples optionally available - Include adapter for tube 15 mL (2 set) and tube 50 mL (2 set)</p>	1	65.699.605	65.699.605
36.	Chiller Evaporator	Lanphan	DLSB 5L -30°C	<p>Applicable Industries Manufacturing Plant, Food &amp; Beverage Shops, Lab</p> <p>Showroom Location United States</p> <p>Video outgoing-inspection Provided</p> <p>Machinery Test Report Provided</p> <p>Warranty of core components 1 Year</p> <p>Core Components Motor, Pump</p> <p>Place of Origin Henan, China</p> <p>Weight 32 KG</p> <p>Warranty 1 Year</p> <p>Key Selling Points High Productivity</p> <p>Condition New</p>	1	26.022.400	26.022.400



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
37.	Biosafety Cabinet	ULLUN	1900 Class II B2 With Controller	<p>Type Water-cooled            Brand Name Lanphan            Voltage 220V            Dimension(L*W*H) 565*460*845 mm            Power 1350            Working Temperature Range room temperature            Name disb cryogenic chiller            Tank volume (L) 5L            lowest no-load temperature(°C) -15            best temperature range(°C) 5--25            Environmental relative humidity (%) ≤70            temperature display mode liquid crystal            Feature coolant circulation chiller            Sensor index Pt100</p> <p>External Dimension : 1900 x 850 x 2100 mm            Internal Dimension : 1800 x 600 x 600 mm            Downflow Velocity : ≥ 0.30 m/s Average (within the standard range of NSF/ANSI 49-2019)            Inflow Velocity : ≥ 0.5 m/s Average (NSF/ANSI 49-2019)            Airflow System : 70% of the air is recirculated, 30% of the air is expelled to the environment aer being filtered by the HEPA filter            HEPA Filter : 2 units H14, 99.996% efficient at 0.3 µm. HEPA Filter Certified            Sterilizaon : UVC Lamp Germicidal. Radiaon of UVC ≥ 0.040 mW/cm2            Working Lamp : LED T5 Cool Daylight 9W*1 Intensity &gt; 650 Lux            Front Window : Glass. Manual Open Slide Up            Electrical Socket : 2 Units Waterproof Socket Inside Cabinet            Working Area Material : Stainless Steel            Material : Steel, Finishing Powder Coating            Stand : With Stand and Caster Swivel Polyurethane (Oponal)            Voltage : 220 - 240 V, 50/60 Hz            Input Power : 340 VA</p>	1	Unit	204.396.750	204.396.750
38	Shaker waterbath	Labtech	LSB-030S	<ul style="list-style-type: none"> <li>• Internal dimension: 500 x 300 x 240 mm</li> <li>• Overall dimension: 740 x 400 x 305 mm</li> <li>• Capacity: 36 L</li> <li>• Heater: 2.1 kW</li> <li>• Timer: 99hr 59min / Continuous</li> <li>• Temperature range: ambient +5°C to 99°C</li> <li>• Temperature set accuracy: ±0.1°C</li> </ul>	1	Unit	41.952.560	41.952.560



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39.	MiliQ-water system	Merck	ZIQ7000TOC + ZIQP0D000 + ZFCONN2SQ + IPAKMETA1 + IPAKQUAA1 +MPGP002A1 + ZWMQXIQIN2 +ZWAZONE1	<ul style="list-style-type: none"> <li>Temperature uniformity: ±0.5°C</li> <li>Shaking speed: 20 to 250 Stroke / min</li> <li>Shaking stroke: 24 min.</li> </ul> <p>Merck - Milli-Q® IQ 7000 purification system</p> <p>Part:</p> <ul style="list-style-type: none"> <li>Merck - Milli-Q® IQ 7000 purifier</li> <li>Q-POD® remote dispenser</li> <li>Connector 2m system to Q-POD</li> <li>Consumable (life time 1 year): IPAK</li> <li>Meta polishing cartridge</li> <li>IPAK Quanta polishing cartridge</li> <li>Millipak 0.22 um filter</li> </ul> <p>Spare part: TOC A1 lamp (life time 365 days) Oxidation lamp (life time 730 days)</p> <p>Installation: Milli-Q IQ 7000, Travel Zone 1</p> <p>Feed water: RO/Destill water</p> <p>Product water: Water Type 1 (ultrapure water)</p> <p>Floor price include: Training and Installation</p>	2	Unit	290.554.006	581.108.012
40.	ATP bioluminescence kit	Thermofisher	A22066	<p>ATP Determination Kit Thermofisher, 200-1,000 assays A22066 ATP Determination Kit</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>Luminescence is monitored at ~560 nm using a luminometer</li> <li>Can detect as little as 0.1 picomole of pre-existing ATP, or ATP as it is being formed in kinetic systems</li> <li>Luciferase and luciferin are packaged separately, which enables researchers to optimize conditions for their samples and instruments</li> <li>Includes sufficient reagents to perform 200 ATP assays using 500 µL sample volumes or 1,000 ATP assays using 100 µL sample volumes</li> </ul>	2	Unit	15.301.856	30.603.712
41.	Nano Drop	Allsheng Nano	400A	<p>TANPA MEREK NANODROP SPECTROPHOTOMETER 400A</p> <ol style="list-style-type: none"> <li>Nano-400A is a basic micro-volume UV spectrophotometer designed (only 3 types of wavelength: 260nm, 280nm, 365nm) for the measurement of nucleic acids and proteins</li> <li>Android system operation, 7 inch touch screen no computer, APP software, simple interface, easy to use</li> <li>To detect the concentration of bacteria and microorganism are more convenient with the OD600 function</li> <li>Measures nucleic acid concentration at 260nm and purity using the ratio 260/280</li> <li>Measures purified protein concentration at 280nm</li> <li>The data can be printed with built-in printer, the data can output via SD-RAM Card and USB memory</li> </ol>	1	Unit	94.720.476	94.720.476



No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
42.	Ankom 200 Fiber Analyzer	ANKOM Technology	200 Fiber Analyzer	<p><b>ANKOM 200 FIBER ANALYZER</b></p> <p>Technical Specifications</p> <p>Sample Size : 0.5-1.0 g</p> <p>Fiber Ranges : 0-100 %</p> <p>Water Supply : Water supply capable of heating water to 50 °C for Crude Fiber and 70 °C for ADF or NDF analysis</p> <p>Samples per Day</p> <p>Acid Detergent Fiber: 144</p> <p>Neutral Detergent Fiber: 120</p> <p>Crude Fiber: 96</p> <p>Instrument Dimensions : 40.6 cm (16 in) L x 50.8 cm (20 in) W x 22.9 cm (9 in) H</p> <p>Weight : 20 kg (44.1 lbs)</p> <p>Power Requirements : 110-120 V~ 50/60Hz 15A, 220-240 V~ 50/60Hz 10A</p> <p>Ambient Temperature Range : 15-30 °C (59-86 °F)</p> <p>Humidity : 20-60 % RH</p> <p>Waste : Instrument drain hose carries waste fluids to lab drain. Dispose according to lab SOP</p> <p>Consumable Type : Fiber Filter Bags (Part # F57 and F58)</p>	1	Unit	263.644.404	263.644.404
43.	Centrifuge	Hettich	Universal 320R	<p><b>BENCHTOP CENTRIFUGE UNIVERSAL 320R</b></p> <ul style="list-style-type: none"> <li>- Power Supply / Frequency : 200-240 V1 / 50 Hz</li> <li>- Consumption : 800 VA</li> <li>- Capacity Unit : 28 x 15 ml.</li> <li>- Speed (RPM)/ RCF : 4,000 / 2,415</li> <li>- Running Time : 1 Sec - 99 Min : 59 Sec</li> <li>- Dimension : H346 x W407 x D698 mm</li> <li>- Weight, approx : 52 kg.</li> <li>- Temperature Setting : -20 to + 40°C</li> </ul> <p>Include Accessories :</p> <ul style="list-style-type: none"> <li>- Swing Out Rotor (Cat. No. 1624 = 1 pc).</li> <li>- Carrier (Cat. No. 1742 = 4 pcs).</li> </ul>	2	Unit	160.592.540	321.185.080
44.	Ultra sonicator	Ultrasonic Homogenizer Probe Sonicator For Cell Lysis, Tissue Disruption And Homogenization	Ultrasonic Homogenizer Probe Sonicator For Cell Lysis, Tissue Disruption And Homogenization	<p><b>ULTRASONIC HOMOGENIZER PROBE SONICATOR FOR CELL LYSIS, TISSUE DISRUPTION AND HOMOGENIZATION</b></p> <ol style="list-style-type: none"> <li>1. Large LCD digital display</li> <li>2. Ultrasonic probe with corrosion-resistant titanium alloy tip</li> <li>3. Mixing, blending, emulsifying, and homogenizing solutions</li> <li>4. Adjustable ultrasonic power and time</li> </ol>	1	Unit	84.298.647	84.298.647



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
45.	Waterbath with shaker	LabTech	LSB 015S	<p>5. Sound enclosure reduces the high-powered sound waves, while clear door permits viewing of the sample while processing</p> <p>6. A variety of optional easy-swap ultrasonic probes available</p> <p>7. Compact and lightweight, plug and play, no assembly required</p> <p>Frequency(KHz) 19.5-20.5KHz</p> <p>Automatic tracking Power(W) 20-1200W adjustable Horn (mm) 20</p> <p>Disruption Capacity 10-1000 (ml)</p> <p>Store data 50 sets Temp alarm range 0-100 c Instrument protection function Over-temp</p> <p>Duty ratio 0.1-99.9% Display LCD display</p> <p>SHAKING WATER BATH Labtech LSB 015S</p> <p>Capacity : 22 lt</p> <p>Temperature Range : Ambient +5°C to 99°C</p> <p>Shaking Speed : 20 to 250 stroke/min</p> <p>Stroke : Adjustable 15 to 30 min</p> <p>Heater : 1.4kW</p> <p>Display : LED 4 Digit Display</p> <p>Timer : 99hr 59min / continuous</p> <p>Material Interior : Seamless Stainless Steel (SUS304)</p> <p>Rack: Stainless Steel Spring Rack,</p> <p>Safety : Over Temp. Cut-Off</p>	1	Unit	31.995.645	31.995.645
46.	Multichannel micropipette 30-300 ul	Eppendorf	3125 000 052	<p>EPPENDORF MULTICHANNEL MICROPIPETTE 30-300UL 8 CHANNEL RESEARCH PLUS, ADJ., 8 - CHANNEL</p> <p>- Fully autoclavable Pipette Brand : Eppendorf</p> <p>- Germany</p> <p>- Operation : Mechanical, separate control button and ejector</p> <p>- Application : Pipetting of aqueous liquids</p> <p>- Ultralight Mechanical Pipette designed according to the strict criteria of the Eppendorf PhysioCare Concept</p> <p>- User adjustment option to off set inaccuracies when pipetting warm, cold, volatile or high density liquids and return to factory adjustment without calibration</p> <p>- 8 Channel Pipette</p> <p>- Low tip attachment force</p> <p>- Low tip ejection force</p> <p>- Very low weight and operating forces for advanced ergonomics to limit strain</p> <p>- Spring-loaded tip cone for exactly reproducible tip fit</p>	2	Unit	22.091.220	44.182.440





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47.	Laminar Air Flow	Labolytic	VERTICAL LAMINAR AIR FLOW WITH TOUCHSCREEN CONTROL LYLA 6 FEET	<p>External Dimension (W x D x H) : 1960 x 766 x 1280</p> <p>Internal Dimension (W x D x H) : 1835 x 690 x 665</p> <p>Konstruksi kabinet Main Body : Electro Galvanized steel finish Epoxy polyester thick 1.2 mm</p> <p>Work Table : Stainless Steel Type 304 Finish Hair Line, thick 1.2 mm</p> <p>Sash window : Tempered glass 6mm Initial</p> <p>Flow : 0.45 m/s (90 fpm)</p> <p>Air Volume (m<sup>3</sup>/h) : 1653</p> <p>HEPA Filter Typical Efficiency : &gt;99.999% for particle size at 0.3 micron H14 per EN 1882</p> <p>Tingkat Kebisingan : &lt;65 dB</p> <p>Intensitas Lampu : &gt;1000 LUX</p> <p>Outlet/Stop kontak : 16 A</p> <p>Konsumsi Daya : 250W</p> <p>Dimensi Maximal pengiriman : 2110 x 916 x 1580 (W x D x H) (Without stand)</p> <p>Volume Maximum (M3) (Without Stand) : 3.05</p> <p>Berat pengiriman / Shipping Weight : ± 281 kg</p>	1	Unit	119.347.800	119.347.800
48.	Microcentrifuge	Kubota	S700TR	<p>Kubota - Benchtop Refrigerated Centrifuge S700TR, Microtube Rotor - K00-0392a</p>	1	Unit	186.942.494	186.942.494
49.	Microplate incubator and shaker	Hercuvan	TT-60-4-S	<p>Speed range: 300 -1200 rpm</p> <p>Shaking orbit: 2mm (horizontal)</p> <p>Temperature control range: R.T.+5°C -70°C</p> <p>Temperature stability at 37°C: ±0.2°C</p> <p>Digital time setting: 1min to 99h 59min or short mix</p> <p>Platform temperature uniformity: ±0.5°C</p> <p>Temperature display accuracy: 0.1°C</p> <p>Heating speed: ≤25 min (20°C to 70°C)</p> <p>ample capacity: 4 plates</p> <p>Voltage: AC 110V or AC 220V, 50/60 Hz</p> <p>Power: 250W</p>	1	Unit	46.224.000	46.224.000
50.	Digital microscope	PHYWE BINOCULAR DIGITAL MICROSCOPE B-290TB, 1000X, PLAN, WITH WINDOWS-TABLET PC	B-290TB	<p>Observation mode: Brightfield</p> <p>Head: Binocular, 360° rotating and 30° inclined. Interpupillary distance from 48 to 75 mm; dioptic adjustment on left eyepiece. Built-in 3.1 MP camera</p> <p>Dioptic adjustment: On the left eyepiece tube</p> <p>Eyepieces: WF10x/20 mm, high eye-point and secured by screw</p> <p>Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings</p> <p>Objectives: N-PLAN 4x/0.10; N-PLAN 10x/0.25; N-PLAN 40x/0.65 N-PLAN 100x/1.25 (Oil/Water) All with anti-fungus treatment</p>	1	Unit	40.660.000	40.660.000



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51.	ANKOM Daisy Incubator	Ankom	D2001	<p>Specimen stage: Double layer rackless mechanical sliding stage, 150x139 mm, 75x33 mm X-Y movement range. Vernier scale on the two axes, accuracy: 0.1 mm</p> <p>Focusing: Coaxial coarse and fine focusing mechanism with limit stop to prevent the contact between objective and specimen Adjustable tension of coarse focusing knob.</p> <p>Condenser: Abbe N.A. 1.25, with objective-coded iris diaphragm, focusable and centerable</p> <p>Illumination (Fixed Koehler type): X-LED3 type with white 3.6 W LED (6,300 K) and light intensity control</p> <p>Multi-plug 100-240Vac/6Vdc external power supply</p> <p>Tablet : Operating system : Windows 10 (64Bit) CPU : Gemini-Lake, N4100 CPU speed : 1.10 GHz Graphic card : Intel® HD Graphics 600 RAM : Ram 6 GB LPDDR3</p> <p>Display size : LED 10.1" IPS Multi Touch Screen Display resolution : 1920x1200</p> <p>Storage : Hdd 128 GB Network : WiFi (2.4G / 5G)</p> <ul style="list-style-type: none"> <li>- Bluetooth 5.0 input ports : USB-C (1 USB2.0 for battery charge, 1 USB3.0)</li> <li>- Micro SD card reader Output ports : Microphone</li> <li>- Headphones</li> <li>- Micro HDMI Battery Type : Lithium-ion</li> </ul> <p>Camera : Digital</p> <p>camera resolution : 3MP</p> <p>Signal output : USB 2.0</p> <p>Sensor Size : 1/2.5"</p> <p>Sensor technology : CMOS</p> <p>Image format : 4:3</p> <p>Full Image size : 2048 x 1536</p> <p>Pixel size : 2.2 x 2.2 micron</p> <p>Frame rate full resolution : 5 frames/sec</p> <p>Frame rate other resolutions : 8 fps (1280x1024) - 30 fps (640x480)</p>	1	Unit	165.051.523	165.051.523
	ANKOM Daisy Incubator	Ankom	D2001	<p>Instrument Specs:</p> <p>Dimensions: 144 cm wide x 47 cm deep x 64 cm high</p> <p>Weight: 34 kg</p> <p>Power Requirements: 110-240V, 50/60 Hz</p> <p>Filter Bag Type: F57</p> <p>Operating Temperature: 39.5 °C</p> <p>Sample Specs</p> <p>Sample size: 0.25-1.0 g</p> <p>Samples per batch: &gt;100</p>				



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52.	Micro Centrifuge -20-40 C	Ohaus	FC5515R	<p>OHAUS - Frontier™ 5000 Series Micro Type FC5515R</p> <p>Speed Range 200 rpm – 15,200 rpm</p> <p>Maximum Relative Centrifuge Force (x g) 21,953 g</p> <p>Maximum Capacity(Rotor) 44 x 1.5 / 2.0ml; 12 x 5 ml</p> <p>Refrigeration Range -4 °F – 104 °F (-20 °C – 40 °C)</p> <p>Program memories 99</p> <p>Rotor In Package Not applicable</p> <p>Acceleration Gear 10</p> <p>Deceleration Gear 10</p> <p>Dimensions 22.1 in x 11.5 in x 11.3 in (561 mm x 292 mm x 287 mm) (LxHxW)</p> <p>Display LCD with backlight</p> <p>Lid lock Motor driven</p> <p>Net Weight 77 lb (35 kg)</p> <p>Noise Level ≤57±2 dB(A)</p> <p>Power AC Power (Included)</p> <p>Power Consumption 560 W</p> <p>Pre-cool time From room temperature to 4°C &lt; 10min</p> <p>Rotor Compatibility Angle 24x1.5/2.0ml, BIOSEALS V2; Angle 30 x 1.5 ml / 2.0 ml, Sealable; Angle 44 x 1.5 / 2.0 ml ID V2; Angle 12 x 5 ml Sealable; Angle 4 x 8 place PCR Strips</p> <p>Rotor Recognition Method Manual</p> <p>Running Time Continuous; 10 sec to 99 h 59 min 59 sec</p> <p>Safety Certification CE; FCC</p> <p>Working Environment 36°F – 95°F, 80%RH, non-condensing (2°C – 35°C, 80%RH, non-condensing)</p>	1	Unit	201.173.992	201.173.992
53.	Multi-Function Centrifuge	Ohaus	FC5706	<p>Ohaus - Frontier™ 5000 Series Micro Type FC5706</p> <p>Speed Range 200 rpm – 6,000 rpm</p> <p>Maximum Relative Centrifuge Force (x g) 4,427 g</p> <p>Maximum Capacity(Rotor) 6 x 50 ml</p> <p>Rotor In Package Not applicable</p> <p>Acceleration Gear 10</p> <p>Deceleration Gear 10</p> <p>Dimensions 15.4 in x 10.5 in x 11.5 in (392 mm x 266 mm x 291 mm) (LxHxW)</p> <p>Display LCD with backlight</p>	1	Unit	33.377.540	33.377.540



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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
54.	Analytical Balance	Ohaus	PX224/E	<p>Lid lock Motor driven</p> <p>Net Weight 23 lb (10.5 kg)</p> <p>Noise Level <math>\leq 60 \pm 2</math> dB(A)</p> <p>Power AC Power (Included)</p> <p>Power Consumption 100 W</p> <p>Pre-cool time Not applicable</p> <p>Rotor Compatibility Swing Out Rotor 6 x 5 ml; Angle 12 x 15mi; Angle 6 x 50 ml</p> <p>Rotor Recognition Method Manual</p> <p>Running Time Continuous; 10 sec to 99 h 59 min 59 sec</p> <p>Safety Certification CE; FCC</p> <p>Working Environment 36°F – 95°F, 80%RH, non-condensing (2°C – 35°C, 80%RH, non-condensing)</p> <p>OHAUS - Pioneer Analytical PX224/E</p> <p>Maximum Capacity 220 g</p> <p>Readability 0.1 mg</p> <p>Pan Size 90 mm</p> <p>Internal Calibration Not Applicable</p> <p>Draftshield Included</p> <p>Auto Door Not Applicable</p> <p>Auxiliary Display Model Available as an Accessory</p> <p>Battery Life Not Applicable</p> <p>Built-in Ionizer No</p> <p>Communication USB; RS232</p> <p>Dimensions 321 mm x 309 mm x 209 mm (LxHxW)</p> <p>Display 2-Line LCD with Backlight</p> <p>In-Use Cover Included</p> <p>Legal for Trade No</p> <p>Linearity <math>\pm 0.0002</math> g</p> <p>Minimum Weight (USP, 0.1%, typical) 200 mg</p> <p>Net Weight 10 lb (4.5 kg)</p> <p>Pan Construction Stainless Steel</p> <p>Power AC Adapter (Included)</p> <p>Repeatability, typical 0.0001 g</p> <p>Stabilization Time 3 s</p>	1	35.325.408	35.325.408



# PT. EMY CHEMLAB PERDANA

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No	Nama Barang	Merk	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
55.	Hemoglobinometer	HemoCue	201	<p>Tare Range To capacity by subtraction</p> <p>Working Environment operability guaranteed between 41°F and 104°F, 50°F – 86°F, 80%RH, non-condensing (operability guaranteed between 5°C and 40°C; 10°C – 30°C, 80%RH, non-condensing)</p> <p>Principle : Modified azidemethemoglobin reaction; dual wavelengths (570 nm and 880 nm) for compensation of turbidity</p> <p>Calibration : Factory calibrated against the ICSH reference method; needs no further calibration</p> <p>Sample Material : Capillary, venous or arterial whole blood</p> <p>Measurement Range : 0–25.6 g/dL (0–256 g/L, 0–15.9 mmol/L)</p> <p>Results Within 60 seconds</p> <p>Sample Volume ~10 µL</p> <p>Dimensions 160 x 43 x 85 mm(6.30 x 1.69 x 3.35 inches)</p> <p>Weight 350 g (0.77 pounds) with batteries installed</p> <p>Storage Temp. Analyzer: 0–50 °C (32–122 °F)</p> <p>Microcuvettes: unopened 15–30 °C(59–86 °F), three-month open vialstability</p> <p>Operating Temp. 15–30 °C (59–86 °F)</p> <p>Power AC Adapter or 4 AA batteries</p> <p>Interface Printer and HemoCue® Basic Connect™including optional barcode scannerQuality Control Built-in "selftest"; optional liquidcontrols</p>	1	Unit	12.085.697	12.085.697
56.	Hemoglobinometer	HemoCue	301	<p>Principle : Absorbance measurement of whole blood at an Hb/HbO2 isobestic point,dual wavelengths (506 nm and 880 nm) for Hb measurement and turbidity compensation</p> <p>Calibration : Factory calibrated against the ICSH reference method; needs no further calibration</p> <p>Sample Material : Capillary, venous or arterial whole blood</p> <p>Measurement Range : 0–25.6 g/dL (0–256 g/L, 0–15.9 mmol/L)</p> <p>Results : ≤3 seconds</p> <p>Sample Volume : ~10 µL</p> <p>Dimensions : 140 x 70 x 160 mm (5.51 x 2.76 x 6.29 inches)</p> <p>Weight : 500 g (1.10 pounds) with batteries installed</p> <p>Storage Temp : Analyzer: 0–50 °C (32–122 °F)</p> <p>Microcuvettes: 10–40 °C(50–104 °F). For unopened vials, the storage temperature can be extended down to -18 °C (-0.4 °F) and up to +50 °C(122 °F) for a period of max 6 weeks.</p> <p>Operating Temp : 10–40 °C (50–104 °F)</p> <p>Power : AC adapter or 4 AA batteries</p>	2	Unit	11.266.328	22.532.656



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No	Nama Barang	Merik	Type	Spesifikasi Teknis	Jumlah	Satuan	Harga Satuan (Termasuk PPN)	Jumlah Harga (Termasuk PPN)
57.	Texture Analyzer	Imada	FRTS-100N	<p>RESOLUTION : 100N            ACCURACY : ±2% F. S. ± 1 digit            DATA LOGGING : Sampling frequency: 1000 Hz            TEMPERATURE : From 0°C to +40°C            DIMENSIONS : H:185 mm L:300 mm P:400 mm            Max. sample height: 70 mm            WEIGHT : Body: 7.7kg, consolle: 0.8kg            CONNETTIVITA : USB, USB flash drive            MEASUREMENTS UNITS : N / Kg / lbf / mm / inch            HUMIDITY : 20-80% RH            CAPACITY : Max. 100N            DISPLAY : 4-digit, 0.001mm (minimum resolution)            SPEED : From 0.1 to 10.0 mm/sec</p> <p><b>FUNCTION</b>            Three types of measurement procedures ("Food/Standard", "Program", "Manual"), Add "Favorites" for up to 6 test conditions. Test start with trigger value (trigger). Overload prevention function            DISTANCE : Stroke: max 100 mm</p>	1	Unit	111.598.378	111.598.378
<b>Total Harga</b>								5.878.129.589

Terbilang: Lima Milyar Delapan Ratus Tujuh Puluh Delapan Juta Seratus Dua Puluh Sembilan Ribu Lima Ratus Delapan Puluh Sembilan Rupiah\_ (Termasuk Pajak Yang Berlaku)

Jakarta, 08 Juli 2024

PT. Emy Chemlab Perdana



Ronaldy  
Direktur