



Nomor : B/24888/UN37/PL.01.01/2024
Hal : **Izin Pengadaan Impor**

17 September 2024

**Yth. Sekretaris Jenderal Kementerian Pendidikan, Kebudayaan,
Riset, dan Teknologi Republik Indonesia**
Jalan Jenderal Sudirman, Senayan
Jakarta Pusat 10270

Kami sampaikan dengan hormat, dalam rangka memenuhi kebutuhan barang untuk *proses pembelajaran pada Tahun Anggaran 2024*, Universitas Negeri Semarang berencana melaksanakan pengadaan barang produk impor dikarenakan belum bisa diproduksi dalam negeri dengan daftar spesifikasi dan kelengkapan pengajuan izin penggunaan produk impor terlampir.

Produk tersebut merupakan kebutuhan yang tidak dapat ditunda/program prioritas yang harus dilaksanakan pada tahun 2024.

Sehubungan dengan itu, Kami mohon agar pembelian produk-produk impor tersebut dapat disetujui.

Atas perhatian dan kerja sama Saudara, kami sampaikan terima kasih.

a.n. Rektor

Wakil Rektor Bid. Perencanaan, Umum,
SDM, dan Keuangan,



Prof. Hen Yanto, M.B.A., Ph.D.
NIP 196307181987021001

Tembusan :
Rektor UNNES

LAMPIRAN SURAT: B/24888/UN37/PL.01.01/2024 tanggal 17 September 2024

NO	NAMA PRODUK	FUNGSI	SPESIFIKASI	JUMLAH KEBUTUHAN		HARGA SATUAN	TOTAL NILAI PENGADAAN	KEBUTUHAN / ALASAN PEMILIHAN PRODUK IMPOR
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)
1	Cardio Pulmonary Exercise Testing	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Cosmed K5 Physical Design Metabolic system IP (Protection Standard) IP54 standard (Rugged design, weather sealed, waterproof and dust-proof) Keyboard 4 keys waterproof (On/Off, Rec, Home/Marker, Back/Check) Harness Multi-size ergonomic harness, adjustable Mounts Camera mount screw thread standard 1/4" 20 UNC for mounting on several physical supports Gas & Flow Measurements Gas Exchange (standard) Breath by Breath Flowmeter Digital Turbine (Ventilation 0-300 l/min; accuracy <2% or 50ml/min) O2 sensor GFC 0-100% range, lifespan 12 months (user replaceable), ±0.02% Vol. accuracy, ~120 ms Response Time CO2 sensor Digital NDIR, 0-10% range, ±0.02% Vol. accuracy, ~100 ms Response Time Wireless Connectivity Telemetry (standard) Bluetooth 2.1 + EDR Class II (Range 10 m line-of-sight) Telemetry (optional) Long range Bluetooth 2.1 + EDR Class I (Up to 1000 m line-of-sight) ANT+ Module (optional) ANT+ engine (master/slave) for integrating ANT+ profiles up to 8 channels	1	unit	Rp 989.999.998	Rp 989.999.998	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
2	Gait Analysis	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Contemplas Provides you with all the technical requirements you need to carry out a professional gait analysis - from simple recording to markerless tracking. The following components are available within the setup Usability : With our user friendly technology ,we support you infast and effective data aquisition and analysis consulting. Mobile vs Static : Whether in laboratory or in thefield-we offer you maximum flexibility in analysis Markerless : Benefit from the automatic markerless tracking of all body points. Save valuable time and resources by skipping the step of marker digitizing Multi Device : Integrate further measuring devices in your video-based setup, such as EMG, force measurements, pressure distribution or time measurements Image Enhancement : TEMPLO® allows you to correc tbrightness, gamma, contrast and colour of the videos in real-time Automatic Reporting : TEMPLO® generates full reporting directly after the analysis. Provide your patients full analysis is data Extendable : Start with the basic 2D set up and growt a professional 3D laboratory Reference Data : Compare your analysis results with reference data to workout deficits and to diagnose your patients Create individual analysisdashboardsaccordingtothepatient'sdiagnosis	1	unit	Rp 3.249.999.991	Rp 3.249.999.991	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
3	Genetic IVD	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Thermo Fisher 3500DX IVD system components 8-capillary (3500 Dx Genetic Analyzer) DNA sequencing and fragment analysis reagents and consumables 'Integrated, dual-mode software for instrument control, data collection, quality control, and auto-analysis of sample files for basecalling IVD system consumables Capillary arrays: The internally uncoated capillaries are supplied in assemblies of 8 or 24 capillaries per array, with a 50 cm built-in frame for easy installation. The capillary arrays are specified for 160 injections 'Performance-optimized polymer (POP) pouches: Applied Biosystems™ POP-6™ Polymer for sequencing and POP-7™ Polymer for fragment analysis are packaged in ready-to-use, load-and-run pouches. Each polymer is available in 2 sizes: 384 samples (a maximum of 60 injections for use with the 3500 Dx Genetic Analyzer), and 960 samples (a maximum of 120 injections for use with the 3500 Dx Genetic Analyzer). The pouches have adequate polymer to support the stated number of samples or injections, plus additional volume for initial setup and installation operations Buffer and conditioning reagent consumables: The cathode buffer, anode buffer, and conditioning reagent for the 3500 Dx Series Genetic Analyzers are also designed for ready-to-use	1	unit	Rp 5.500.000.000	Rp 5.500.000.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
4	Trigno Avanti Sensor	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Delsys Sensor Channels : 1x EMG, up to 6x IMU Reference Type : Dual on-board stabilizing reference Inter-Electrode Spacing : 10 mm Battery Life : 4-8 hours Operating Range : 40 m in RF mode; Host Dependent/unlimited datalogger Wireless Protocol : 2.400-2.483 GHz ISM Band,Proprietary RF Protocol; BLE V4.2 EMG Bandwidths : 10-850 Hz; 20-450 Hz EMG Sampling Rate (Max) : 4370 sa/sec Contact Material : 99.9% Silver Include 16 Sensor Wireless EMG System; Installation; Setting; Configuration; Training	1	unit	Rp 1.265.500.000	Rp 1.265.500.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

5	Performance Analysis	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Contemplan Usability : With our user friendly technology ,we support you in fast and effective data aquisition and analysis consulting Mobile vs Static : Whether in laboratory or in the sports field. We offer you maximum flexibility in analysis 2D and 3D : Analyse in 2D or extend your set up to comprehensive 3D analysis depending on your requirements Multi Device : Integrate further measuring devices in your video-based setup, such as EMG or time measurements Image Enhancement : TEMPLO® allows you to correct brightness, gamma, contrast and colour of the videos in real-time Automatic Reporting : TEMPLO® generates full reporting directly after the analysis .More than 60 relevant parameters are available for each jump Extendable : Videos can be streamed to mobile devices to analyse and record simultaneously 'Jump : Look into your athletes high-speed strength performance; Key jump tests Squat Jump, Counter Movement Jump, Drop Jump; Landingmechanics; Bilateral asymetries in eccentric & concentricphases 'Balance : Feedback your athletes balance abilities immediately; Static and dynamic dysbalances; Live visual feedback; Fast & easy colour feed backf or areas out of tolerance 'Agility : Give immediate feedback about your athletes neuro muscular performance; Speed and contact times; Frequency muscular performance	1	unit	Rp 967.500.000	Rp 967.500.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
6	Force Plates	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	AMTI BMS400600 Channels : Fx, Fy, Fz, Mx, My, Mz Fx, Fy, Fz Hysteresis : ±0.2% full scale output Mounting Hardware : Recommended Amplifier : Included (OPT-SC) Temperature Range : -18°C to 50°C Excitation : 10 V maximum Sensing Elements : Strain gage bridge 'Outputs : Digital (USB) or Analog 'Dimensions : 400 x 600 x 82.5 mm 'Include Solid aluminum top with thru-top mounting; 9 meter force platform to amplifier cable; OPT-SC signal amplifier; one pair of modular mounting rails and resin kit; Installation; Setting; Configuration; Training	1	unit	Rp 1.185.600.000	Rp 1.185.600.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
7	Performance Package	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Contemplan a. Templo Software : Profesional video analysis in sports and medicine b. 1 TPL U&S Mod : Update and service contract of Templo including all modules License : The U&S contract autorized to download the current version of TEMPLO and its subsequent releases c. 1 TPL cGait : TEMPLO software module : Clinical Gait analysis - Pre defined protocols created for clinical aplications and questions. - Protocols for 1, 2 or 4 camera perspectives. - Gait cycle phases and concept according to current literature - Pre defined protocol "Gait Check" for a fast screening ' - Automatic reporting including gait-time-parameters and angles in dtermined gait phases 'd. 1 TPL MLT2D : TEMPLO software module ' - Markerless tracking automatic, markerless detection and tracking of anatomic joint centers of the entire human body in video images for kinematic calculations. This modul is supports the additional modules for clinical gait analysis, running and performance analysis 'e. 2 Standard Camera Set : USB3 High Speed Camera : 2048 x 1500 Pixel @120fps, 2048 x 1080 Pixel @165fps, 2048 x 800 Pixel @220fps, 2048 x 512 Pixel @340fps; 4-12mm Lens; Tripod or Clamp; 15mm USB3 Cable; USB3 PC or Notebook Interface	1	unit	Rp 4.606.927.000	Rp 4.606.927.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
8	Shockwave Therapy	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Chattanooga Intellect FSW F-SW operating mode : F-SW, Single shock, continuous shock 1-8 Hz F-SW energy selection : in steps from 0.01 to 0.55 mj/mm2 Mains input voltage : 100 – 240 VAC Mains frequency : 50 / 60 Hz Mains fuse : T5AL/250 VAC Power consumption : max. 450 VA Ambient temperature during operation : 10 – 30 °C 'Ambient temperature during storage and transport : 0 – 60 °C frost free 'Ambient pressure during storage and transport : 500 – 1060 hPa 'Ambient air pressure during operating : 800 – 1060 hPa 'Air humidity : 5 – 95%, non-condensing 'Control device weight : 22.1 kg 'F-SW handpiece weight : 770 g 'Classification according to MDD : Class IIb device 'Protection against the ingress of water : IPX1 'Include Installation; Setting; Configuration; Training	1	unit	Rp 997.500.000	Rp 997.500.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

9	Movement Analysis System	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	<p>Vald Performance Humantrak</p> <p>Lower body dynamic : single leg squat, squat, drop jump, lunge, overheat squat, countermovement jump</p> <p>Cervical spine : lateral flexion ROM, flexion/extension ROM</p> <p>Shoulder : abduction/adduction ROM, flexion/extension ROM, internal/external rotation ROM</p> <p>Stability : single leg posture, tandem stand, single leg stand, standing posture, semi-tandem stand, 30-second sit-to-stand</p> <p>Auto trainer : build and run interactive, training programs</p> <p>'Unlike other movement analysis systems that fill an entire room or require complex setup and lengthy data processing, HumanTrak fits in a suitcase and can be unpacked, set up and ready to test in less than five minutes</p> <p>'Once set up, this world-first technology allows you to select from a range of pre-programmed tests so the athlete can immediately begin their assessment and view their performance in real time</p> <p>SOFTWARE</p> <p>'a. AutoTrainer : Build a tailored training program with AutoTrainer, complete with reps, sets and rest. AutoTrainer guides athletes through each exercise in the program, without the intervention of coaches</p> <p>'b. SwayTrak : SwayTrak reports centre of mass movement in the anteroposterior and mediolateral directions during balance assessments. Overall sway is quantified with a balance algorithm which can be used for baseline testing and tracking</p>	1	unit	Rp 1.084.248.000	Rp 1.084.248.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
10	Timing Gate System	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	<p>Vald Performance Smartspeed</p> <p>8 Sensor Gate</p> <p>Singel Beam with Error Correction Processing</p> <p>Wireless Control up to 200 metres</p> <p>Conduct Single or multi lane timing</p> <p>Create reactive training drills</p> <p>Inter-unit : 120 m (131.23 yd) (primary unit to furthest unit)</p> <p>Bluetooth : 30 m (32.81 yd) (primary unit to mobile device)</p> <p>'Gate setup : 4 m (4.37 yd) (unit to reflector)</p> <p>'Detection type : Time of flight LiDAR and reflector</p> <p>'Laser : 635 nm visible aiming laser</p> <p>'Feedback : LED panels (40 x 16 resolution) 95 dB buzzer</p> <p>'Wireless : UWB IEEE 802.15.4 star network</p> <p>'Unit of time : 1/1000th of a second</p> <p>'Power : 3.7V 10.4Ah Li-Ion removable and rechargable battery</p> <p>'Battery life : 10 hours active use (approx.)</p> <p>'Charging method : Four battery charge dock</p> <p>'Charge time : 7 hours</p> <p>'Connectivity : USB-C port (accessory adaptor with PS2 accessory connectors)</p> <p>'Operating ambient temperature : 0°C - 35°C (32°F - 95°F)</p> <p>'Software Requirements iOS : All iOS mobile phones and tablets purchased after July 2017, Minimum requirement - iOS 15</p> <p>'Include Installation; Setting,; Configuration; Training</p>	1	unit	Rp 1.812.408.000	Rp 1.812.408.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
11	Treadmill	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	<p>Lode Valiant Ultra 300</p> <p>'Large Belt Surface: The treadmill boasts an expansive belt surface measuring an impressive 300 x 200 cm</p> <p>maximum speed 40 km/h (24.9 mph)</p> <p>minimum operational speed 01 km/h (0.6 mph)</p> <p>speed adjustment steps 0 km/h (0 mph)</p> <p>positive elevation 25 %</p> <p>elevation adjustment steps 0.5 %</p> <p>negative elevation -25 %</p> <p>speed accuracy <2 km/h ± 0,1 km/h</p> <p>'speed accuracy >2 km/h ± 5 %</p> <p>'accuracy inclination ± 0,3 %</p> <p>'allowed user weight 225 kg (496 lbs)</p> <p>'Readout actual elevation on control unit (treadmill only)</p> <p>'Readout the target elevation on control unit (treadmill only)</p> <p>'Readout the distance on control unit</p> <p>'Customized Screenviews</p> <p>'operation by touch screen</p> <p>'connection via USB possible</p> <p>'Power cord 3L+N+PE</p> <p>'Maximum rated power input 8000 VA</p> <p>'3 x 400 V needed power connection</p> <p>'maximum motor power 8 kW</p> <p>'emergency stop fully integrated</p> <p>'an emergency stop with a magnetic lanyard is present</p>	1	unit	Rp 7.296.505.000	Rp 7.296.505.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
12	Performance Testing System	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	<p>Keiser A-300 Leg Press With A420 Display</p> <p>Offers unilateral movement – each limb can be trained symmetrically</p> <p>Increased resistance range for more intense functional workouts</p> <p>Smooth Keiser Dynamic Variable Resistance</p> <p>Fully adjustable to accommodate a wide range of users</p> <p>Bilateral movement for body symmetry training</p> <p>Large digital displays with resistance and counted repetitions</p> <p>HEIGHT: 48" / 1219 mm</p> <p>'WIDTH: 38" / 965 mm</p> <p>'DEPTH: 69" / 1753 mm</p> <p>'RESISTANCE RANGE: 0 - 1200 lbs / 0 - 545 kg</p> <p>'Include Installation; Setting,; Configuration; Training</p>	1	unit	Rp 1.143.764.000	Rp 1.143.764.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

13	Mini PC	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Jetson AGX Xavier AI Performance 32 TOPS GPU 512-core NVIDIA Volta architecture GPU with 64 Tensor Cores GPU Max Frequency 1377 MHz CPU 8-core NVIDIA Carmel Arm®v8.2 64-bit CPU 8MB L2 + 4MB L3 CPU Max Frequency 2.2 GHz Memory 32GB 256-bit LPDDR4x 136.5GB/s 'Storage 32GB eMMC 5.1 'Display 3 multi-mode DP 1.4/eDP 1.4/HDMI 2.0 'Other 5x UART, 3x SPI, 4x I2S, 8x I2C, 2x CAN, PWM, DMIC, GPIOs 'Power 10W - 30W 'Include Installation; Setting,; Configuration; Training	12	unit	Rp 48.279.000	Rp 579.348.005	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
14	Monitor	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Kenowa K15T5 Display Type: 15.6 inch Resolution: 1920 x 1080 Touchscreen : 10-finger multi-touch touchscreen (gestures compatible) untuk Macbook tidak bisa menggunakan touchscreen Panel Type: IPS LCD backlight Visual Angle: 178 degree wide-view Thickness : 10 mm Color gamut: 72% 'Display color: 16.7M 'Contrast ratio: 800:1 'Aspect Ratio: 16:9 'Brightness: 250cd/m 'Compatible systems: Windows 7/8/10, Linux, Mac	30	unit	Rp 2.899.000	Rp 86.970.010	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
15	Drone	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	DJI Matrice 350 RTK + Zenmuse P1 Flight Batteries & Payload Not Included Multi-Payload Support DJI RC Plus Controller Included Night-Vision FPV Camera DJI O3 Enterprise Transmission Up to 55 Minutes of Flight Time 1 Year of Care Basic Coverage Included '6-Direction Sensing & Avoidance 'High Wind, Heat, Cold & Water Resistance 'Maximum Range of 12.4 Miles 'Ingress Protection Rating IP55 'Kecepatan Max Ascent Speed: 6 m/s; Max Descent Speed (vertical): 5 m/s; Max Tilted Descent Speed: 7 m/s; Max Horizontal Speed: 23 m/s 'Hover Accuracy RTK: Horizontal: ±0.3' / 0.1 m Vertical: ±0.3' / 0.1 m; GNSS: Horizontal: ±4.9' / 1.5 m Vertical: ±1.6' / 0.5 m; Vision Positioning: Horizontal: ±1.0' / 0.3 m Vertical: ±0.3' / 0.1 m 'Voltage 100-120 VAC, 50-60 Hz; 220-240 VAC, 50-60 Hz 'Remote Control Built-in Battery: Type: Li-ion (6500 mAh@7.2 V); Charging Type: Use the battery station or USB-C fast charger with a max power of 65 W (max voltage of 20 V); Charging Time: 2 hours; Chemical System: LiNiCoAlO2; Operating Time: Built-in Battery: approx. 3.3 hours; Built-in Battery + External Battery: approx. 6 hours; Wi-Fi Protocol Wi-Fi 6; Bluetooth 5.1	1	unit	Rp 449.999.995	Rp 449.999.995	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
16	Functional Trainer	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Keiser A400 Features : Complete control of resistance levels Keiser smooth, consistent resistance with virtually zero shock loading Takes up less space and time with a small footprint and multi-user pieces that allow group training Unlimited possibilities for training – any load, any speed, any plane Versatility that allows you to customize your workout Compressor Quiet 230V - 50Hz (1 Unit) International Electrical System; 4 - 8 Machine Capacity Keiser Echip Keydata CS (2 Unit) Power Kit USB (1 Unit) Tubing Connector for Installation (1 Set) Tubing 500 ODX 0.062 W-BK PE Union - 1/2C x 3/8C Kit - Single Outlet F.M.Cut - In Box F.M.Cover W/One Grommet Include Installation; Setting,; Configuration; Training	1	unit	Rp 634.897.800	Rp 634.897.800	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

17	Spectrum Two FTIR with Diamond ATR	Alat Penunjang Pendidikan Ilmu Keolahragaan berbasis kecerdasan buatan Fakultas Ilmu Keolahragaan	Perkin Elmer Optical Performance Wavelength Range 8,300 – 350 cm ⁻¹ optimized, proprietary KBr beamsplitter 6500-550 cm ⁻¹ with ZnSe optics Spectral Resolution 0.5 cm ⁻¹ standard Wavelength Precision Better than 0.01 cm ⁻¹ at 3000 cm ⁻¹ Wavelength Accuracy 0.1 cm ⁻¹ at 3000 cm ⁻¹ Optical System General Long-life sealed and desiccated optical unit incorporating Opticsguard™ design, Vibration isolated baseplate Interferometer Rotary Michelson interferometer, High stability, self-compensating for dynamic alignment changes due to a tilt and shear Optics Kinematically mounted, zero alignment optics, with high reflectivity and a low angle off axis design. Proprietary OpticsGuard system for extended desiccant life and additional optical component protection Detectors High linearity room temperature detector (standard) Temperature-stabilised room temperature DTGS detector optional Source Long-life source with proprietary hot-spot stabilization. User replaceable from outside instrument Beamsplitter Proprietary extended range KBr Desiccant Long-life desiccant system accepts disposable packs. Software controlled desiccant status indicator	1	unit	Rp 908.125.000	Rp 908.125.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
18	Surface Area and Pore Size Analyzers	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	Nova 800 Analysis Specifications Measurement Principle Vacuum Volumetric Analysis Gases : N ₂ , Ar, CO ₂ , and other non-corrosive gases Analysis Stations : 4 Independent p ₀ Station : Yes Relative Pressure Range (p/p ₀) : 10 ⁻⁴ to 0.999 Pressure Measurement Accuracy : 0.1% (of full scale)a Pressure Resolution : Absolute: 1.2 x 10 ⁻⁴ Torr, Relative: 1.5 x 10 ⁻⁷ p/p ₀ Lower Specific Surface Area Limit : From 0.01 m ² /g Lower Absolute Surface Area Limit : From 0.5 m ² Surface Area Reproducibility : 2%b Pore Size Range : 0.35 - 500 nm (diameter), (0.35 - 1.1 nm only with CO ₂) Minimum Pore Volume : 1.2 x10 ⁻⁸ cm ³ Analysis Dewar : Volume: 2 L, Duration: up to 40 hours Sample Preparation : Integrated Degassing Stations: 4; Temperature Control: 2 Heating Zones, Ambient to 425 °C; Available Methods: Flow & Vacuum; Programmable Multi-Step Degassing Profiles Physical Specifications Operating Environment : Temperature: 15 °C to 35 °C; Humidity: 20 to 80% Relative, Non-condensing Wetted Parts : Stainless Steel, Viton Elastomers	1	unit	Rp 1.575.750.000	Rp 1.575.750.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
19	Atomic Absorption Spectrometers	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	PinAAcle 900F System Design The 900F (Flame) system incorporates the spectrometer and the flame components only on a single instrument Monochromator : Littrow design with motorized drive for automatic wavelength selection and peaking.; Wavelength range: 184-900 nm; Diffraction grating: 1800 lines/mm blazed at 236 nm and 597 nm; Grating area: 64 x 72 mm; Reciprocal linear dispersion: 1.6 nm/mm (nominal); Focal length: 267 mm Spectral Bandwidths : User selectable automatic slit widths of 0.2, 0.7 and 2.0 nm at their optimized slit height Detector : Wide-range segmented solid-state detector, including a built-in low-noise CMOS charge amplifier array Automatic Lamp Selection : 8-lamp mount with built-in power supplies for PerkinElmer® cableless; Lumina™ hollow cathode and patented electrodeless discharge lamps; Computer-controlled lamp selection and alignment via WinLab32™ for AA software. Lamp elements and recommended operating currents are automatically recognized and set when using Lumina hollow cathode lamps Background Correction Built-in continuum source double-beam background correction using a high-intensity deuterium arc lamp	1	unit	Rp 1.850.000.000	Rp 1.850.000.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

20	Liquid Chromatography Mass Spectrometry	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	Thermo Scientific ISQ EM Mass range : m/z 10–2000 with unit mass resolution Ionization technique options : Heated Electro spray Ionization (HESI) source; Dual HESI/Atmospheric Pressure Chemical Ionization (APCI) source Source type : Atmospheric Pressure Ionization (API) source featuring orthogonal spray design with optimized probe position and adjustable source voltage Source access and gas capabilities : Vacuum interlock to perform routine source maintenance without venting; Adjustable sheath, auxiliary, and sweep gas flow controls HESI and APCI flow rate range : Up to 2.0 mL/min Supported modes : Full Scan, SIM and simultaneous Full Scan/SIM Scan rate : Up to 20,000 Da/s SIM sensitivity HESI positive mode : 10 pg Reserpine, S/N ≥ 400:1 (RMS) ¹ at 400 μL/min Selected ion monitoring of m/z 609.3 SIM sensitivity HESI negative mode : 20 pg p-Nitrophenol, S/N ≥ 500:1 (RMS) ¹ at 400 μL/min Selected ion monitoring of m/z 138.0 SIM sensitivity APCI positive mode : 10 pg Reserpine, S/N ≥ 1000:1 (RMS) ¹ at 400 μL/min Selected ion monitoring of m/z 609.3 SIM sensitivity APCI negative mode : 20 pg p-Nitrophenol, S/N ≥ 80:1 (RMS) ¹ at 900 μL/min Selected ion monitoring of m/z 138.0 Polarity switching : Yes, 25 ms	1	unit	Rp 3.477.630.000	Rp 3.477.630.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
21	Spectrophotometer UV-VIS	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	Perkin Elmer Lambda 365 Plus Communication I/F : RS-232 to USB, WireTCP/IP (option), Wi-Fi (option) Method : Double beam (Czerny-Turner) Wavelength Range : 190 – 1100 nm Absorbance Range : ± 4A Detector : Silicon photodiode Bandwidth : 0.5, 1, 2, 5, 20 nm variable Wavelength Accuracy : ± 0.1 nm (656.1nm D2); ± 0.3 nm (all range) Wavelength Reproducibility : ≤ 0.05 nm (6 measurements at 656.1 nm, SD); ≤ 0.1 nm (all range) Photometric Repeatability : < 0.0001 A (at 0.5 A) < 0.0001 A (at 1 A); < 0.0003 A (at 2 A) Baseline Flatness : ± 0.0005 A Photometric Noise : < 0.00005A (700nm) Scans speed : 7.5 to 12,000 nm/min Stray Light : < 0.5% (198 nm KCl); < 0.01% (220 nm NaCl); < 0.01% (340 nm, 370nm NaNO ₂); < 1.0% (300 nm Acetone) Source : Deuterium & Tungsten Include Installation; Setting; Configuration; Training	1	unit	Rp 505.628.000	Rp 505.628.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
22	Spectrophotometer UV-Vis	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	Thermo Scientific Evolution One Optical design : Double-beam with sample and reference cuvette positions Czerny-Turner Monochromator Spectral bandwidth(s) : 1.0 nm Light source : Xenon Flash Lamp, 3-year warranty (7 years typical lifetime) Detector : Dual Silicon Photodiodes Scan ordinate modes : Absorbance, % Transmittance, % Reflectance, Kubelka-Munk, log (1/R), log (Abs), Abs*Factor, Intensity Wavelength : Range 190–1100 nm; Accuracy ± 0.5 nm (541.9, 546.1 nm mercury lines) ± 0.8 nm (full range 190–1100 nm); Repeatability ≤ 0.05 nm (546.1 nm mercury line, SD of 10 measurements) Scanning speed : < 1 to 6000 nm/min; variable Data intervals : 10, 5, 2, 1.0, 0.5, 0.2, 0.1 nm Photometric : Range > 3.5 A; Display Range -0.3 to 4.0 A; Accuracy – Instrument 1A: ± 0.004 A, 2A: ± 0.008 A, Measured at 440 nm using neutral density filters traceable to NIST; Repeatability ± 0.0002 A; Noise 0A: ≤ 0.00015 A, 1A: ≤ 0.00010 A, 2A: ≤ 0.00025 A, 260 nm, 1.0 nm SBW, RMS; Drift (Stability) < 0.0005 A/hr, 500 nm, 1.0 nm SBW, 1 hour warm-up Stray light : KCl, 198 nm: ≤ 1% T; NaI, 220 nm: ≤ 0.05% T; NaNO ₂ , 340 nm: < 0.05% T Baseline flatness : ± 0.0006 A; 200–800 nm, 1.0 nm SBW, smoothing	2	unit	Rp 312.183.999	Rp 624.367.998	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
23	Melting Point	Alat Penunjang Pendidikan di Bidang Kimia Material Fakultas Matematika dan Ilmu Pengetahuan Alam	Buchi M-560 Positions for melting capillaries : 3 Positions for boiling capillaries : 1 Display : Color, TFT, 320 x 240, 3.5" Precision magnifying lens : 1 Magnification of lens : 2.5 x Determination temperature range Ambient : + 10 °C to 400 °C Temperature resolution : 0.1 °C Repeatability of melting point at 0.5 °C/min : ± 0.1 °C Accuracy of the oven temperature at 0.5 °C/min : ± 0.2 °C Accuracy of boiling point at 1.0 °C/min : up to 400 °C ± 0.5 °C Temperature gradients : °C/min 0.1, 0.2, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10, 20 Cool-down time (350 °C – 50 °C) at 25 °C : ~ 13 min Heat-up time (50 °C – 350 °C) at 25 °C : ~ 4 min Connection voltage : 100 - 240 ± 10 % VAC Power consumption : 150 W Frequency : 50 / 60 Hz IP Code : IP20 Overvoltage category : II Pollution degree : 2 Include Installation; Setting; Configuration; Training	1	unit	Rp 321.559.000	Rp 321.559.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

24	Technology Enhanced Learning	Alat Penunjang Pendidikan di Bidang Smart Digital Medicine	Mindray Main unit: HyLED C7 Lightsource type : LED Illumination level - maximum lux levels at 1m: 160,000 lux in ten levels M-Field : 3,000 lux, 60 cm MIS lighting : 8,000 lux Dimming range : 20%-100% dimmer by control panel Field Size(D10): 140-300 mm in five levels Shadow dilution with one lateral mask : 0,76 Shadow dilution:one lateral mask and cavity : 0,71 Shadow dilution with tube : 1 Shadow dilution: double mask : 0,56 Shadow dilution: double mask and cavity : 0,51 Number of bulbs/LEDs : 39/36 LEDs Life(hrs): 60000 hours for LEDs Colour Temperature (K): Five ranks for variable color temperature 3,500/3,700/4,000/4,350/5,100K Colour rendering index: Ra:99 Colour rendering index - R9 value: R9:97 Depth of illumination (20%) (under large light field) : 1400 mm Depth of illumination (60%) (under large light field) : 800 mm Focus : Auto focus Optic design: Multi-Patch Superposition Technology(MPST), which generates a homogeneous light field even blocked by surgeon's head.	1	unit	Rp 1.154.500.001	Rp 1.154.500.001	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
25	Interactive Smartboard	Alat Penunjang Pendidikan di Bidang Smart Digital Medicine	ViewSonic ViewBoard IFP7550 Panel Size: 75" Panel Type: TFT LCD Module with DLED Backlight. IPS Display Area (mm): 1650.24(H) x 928.26(V) Aspect Ratio: 16:9 Resolution: UHD 3840x2160 Colors: 1.07B colors (10bit) Brightness: 500 nits Contrast Ratio: 1200:1 (typ.) 6000:1 (DCR) Response Time: 8ms Viewing Angles: H = 178, V = 178 typ. Backlight Life: 50,000 hours(Min) Surface Treatment: Hardness: 7H, Anti-glare coating Bezel: Slim Orientation: Landscape Disclaimer: 50,000 hours backlight life at 8 hours of use per day Platform Processor: ARM Cortex-A73*4 + Cortex-A53*4; RAM: 8GB; Storage: 64GB Type/ Tech: Ultra Fine Touch Technology (IR Recognition) Touch Resolution: 32768 x32768 Touch Point: Windows: 40 points of touch, Android : 20 points of touch INPUT HDMI: 2.0 x 3 (3840x2160 @60Hz, HDCP2.2, HDMI1 with CEC/ARC); RS232: x1; OPS: x1; WiFi: x 1 module slot OUTPUT HDMI: x1 (4K@60Hz); Audio: x1 (Earphone out); SPDIF: x1 (optical)	3	unit	Rp 120.000.000	Rp 360.000.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
26	Televisi	Alat Penunjang Pendidikan di Bidang Smart Digital Medicine	Sony Screen Size 75" HDCP2.3(for HDMI™1/2/3/4) USB Drive Format Support : FAT16/FAT32/exFAT/NTFS HDMI inputs total : 4(4Side) Display Resolution : 3840 x 2160 Display Type : LCD Backlight Type : Direct LED Cplour Enhancement : TRILUMINOS PRO™, Live Colour™ Technology Clarity Enhancement : 4K X-Reality™ PRO Picture Modes : Vivid,Standard,Cinema,Game,Graphics,Photo,Custom,Dolby Vision (Vivid/Bright/Dark) Picture Processor : 4K HDR Processor X1™ Speaker Configuration : Full Range (Bass Reflex) x 2 Speaker Type : Bass Reflex Speaker, X-Balanced Speaker Audio Power Output : 10W + 10W Dolby Audio Format Support : Dolby™ Audio, Dolby™ Atmos Software : ECO DASHBOARD, APPLICATION STORE, ON/OFF TIMER, VOICE SEARCH, Google TV™, SLEEP TIMER, Android TV™, INTERNET BROWSER Include Standing Bracket; Installation; Setting; Configuration; Training	30	unit	Rp 31.150.000	Rp 934.499.998	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

27	Arc HPLC	Alat Penunjang Pendidikan di Bidang Smart Digital Medicine	Waters Arc HPLC Core System (1 Unit) High Performance Analytical Detectors : A wide range of high performance detection capabilities, optimized to support the diversity of applications. Includes photodiode array, UV/Vis, fluorescence, refractive index, evaporative light scattering, conductivity, and mass detection Gradient SmartStart : Adjust the injection relative to the gradient start to emulate other HPLC systems' dwell volumes, without the need to alter the gradient table. Successfully transfer most methods in just two injections Quaternary solvent management : Precise and accurate blending of up to four solvents with automated solvent compressibility compensation. Increase solvent flexibility with an optional, integrated solvent select valve, providing access to six additional solvents Negligible carryover : Advanced flow-through needle design minimizes carryover by continuously cleansing the needle during run. User-configurable wash settings provide capability to address even 'sticky' compounds to help ensure a clean analysis of the current target sample Column technology : Heating and cooling that supports columns up to 300 mm in a stable temperature environment for method repeatability from lab-to-lab. Optional and integrated column switching for up to three columns provides unattended column changeover. Simplify method screening and easily switch back	1	unit	Rp 1.110.000.000	Rp 1.110.000.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
28	Arc HPLC	Alat Penunjang Pendidikan di Bidang Smart Digital Medicine	Waters Arc HPLC Core System (1 Unit) High Performance Analytical Detectors : A wide range of high performance detection capabilities, optimized to support the diversity of applications. Includes photodiode array, UV/Vis, fluorescence, refractive index, evaporative light scattering, conductivity, and mass detection Gradient SmartStart : Adjust the injection relative to the gradient start to emulate other HPLC systems' dwell volumes, without the need to alter the gradient table. Successfully transfer most methods in just two injections Quaternary solvent management : Precise and accurate blending of up to four solvents with automated solvent compressibility compensation. Increase solvent flexibility with an optional, integrated solvent select valve, providing access to six additional solvents Negligible carryover : Advanced flow-through needle design minimizes carryover by continuously cleansing the needle during run. User-configurable wash settings provide capability to address even 'sticky' compounds to help ensure a clean analysis of the current target sample Column technology : Heating and cooling that supports columns up to 300 mm in a stable temperature environment for method repeatability from lab-to-lab. Optional and integrated column switching for up to three columns provides unattended column changeover. Simplify method screening and easily switch back	1	unit	Rp 1.110.000.000	Rp 1.110.000.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
29	PC	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merek: HP Pavilion AIO PC 24-Ca1000d Touch I7-12700 16gb 512gb MX450 Win11 Ohs	2	unit	Rp 33.577.500	Rp 67.155.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
30	Laptop	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merek: Laptop ASUS TUF A15 FA507XI GeForce RTX3050 (Ryzen 9 7940HS 16GB 1TBSD)	1	unit	Rp 34.920.600	Rp 34.920.600	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
31	VR dan Controller Oculus	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	VR dan controller Oculus Quest 2 256GB Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology. Mata kuliah yang disupport : Psikologi Klinis	2	unit	Rp 9.401.700	Rp 18.803.400	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
32	Voice Recorder	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Sony ICD-PX240 Mono Voice Recorder Rincian: perangkat untuk pelaksanaan hipnoterapi sebagai suatu intervensi psikologi Laboratorium pendukung sub-aktivitas: Health and Clinical, mata kuliah yang didukung intervensi psikologi.	2	unit	Rp 1.275.945	Rp 2.551.890	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

33	Alat peraga sistem saraf manusia	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merek: Goods Goods CBN Rincian: Alat peraga praktik mata kuliah biopsikologi dan psikologi kognitif untuk mengembangkan kurikulum berstandar internasional Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	2	unit	Rp 1.343.100	Rp 2.686.200	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
34	Electroencephalogram (EEG)	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merek: CONTEC KT88-3200 Rincian: Alat perekam gelombang listrik otak untuk kebutuhan praktikum matakuliah Biopsikologi dan Psikologi Kognitif yang mendukung perkembangan kurikulum Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	1	unit	Rp 201.465.000	Rp 201.465.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
35	Kursi Relaksasi	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merek: BENBO Kursi relaksasi tubuh dan mata (Hemat listrik) Untuk mendukung mata kuliah konseling dan psikoterapi pada laboratorium health and clinical	1	unit	Rp 17.460.300	Rp 17.460.300	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
36	Kursi Relaksasi	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	GOTO Folding chair terapi Untuk mendukung praktikum mata kuliah praktik konseling dan psikoterapi	1	unit	Rp 2.686.200	Rp 2.686.200	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
37	Treadmill Set physical exercise	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Treadmill Elektrik iReborn Florence, mendukung mata kuliah psikologi kesehatan Treadmill Merek: iReborn	1	unit	Rp 16.923.060	Rp 16.923.060	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
38	Sepeda Statis spin Set physical exercise	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Sepeda statis spin bike iReborn Revo	1	unit	Rp 6.715.500	Rp 6.715.500	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
39	Sepeda eliptical Set physical exercise	Alat Penunjang Pendidikan Prodi Psikologi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Sepeda eliptical iReborn Boston Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	1	unit	Rp 7.655.670	Rp 7.655.670	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

40	Mini Trainer Kit IOT	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Deskripsi Produk : Uno Board + Cable, Motor DC + Daun Baling-baling, Sensor Garis Smart Car, Stepper Motor + Driver, LED Module, Joystick Module, Pir Sensor Module, 8*8 Dotmatrix, 4 Digit 7Segment, 1 Digit 7Segment, 4*4 Membrane Keypad, Vibration Sensor Module, Limit Switch Module, Touch Module, Jumper Male to Male 10cm 10pcs, Jumper Male to Male 20cm 10pcs, Jumper Male to Female 10cm 10pcs, Jumper Male to Female 20cm 10pcs, Jumper Female to Female 10cm 10pcs, Jumper Female to Female 20cm 10pcs, LM35 Sensor Module, Laser Receiver Module, Laser Transmitter Module, DHT11 Module, 1Channel Relay Module, Servo SG90, HC-SR04 Ultrasonic Sensor, Water Sensor Module, Proto Shield For Arduino UNO, LCD 2x16 + I2C Module, 4x Push Button, LDR Sensor Module, Sensor Kemiringan Analog, Led 5mm Merah 5x Hijau 5x Kuning 5x, RGB LED Module, Active Buzzer Module, Passive Buzzer Module, Infrared Module, Microphone Module, Hall Sensor, Flame Sensor Module, Infrared Receiver Module, Soil Moisture Sensor, 9V Battery Holder, 10MM RED LED Module, IC 74HC595, Infrared Remote, NTC Sensor Module, 9V Battery, Mini Pump + Hose, ProjectBoard 830, NodeMCU LUA ESP8266 Board, Potensiometer 10K, DC Plug With Cable, 4 Slot Battery AA Holder, Resistor Pack @10pcs (1k 10k 220)	20	unit	Rp	983.149	Rp	19.662.984	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
41	Raspberry Pi 5	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	TECHNICAL SPECIFICATIONS: Raspberry Pi 5 Model B (4GB), Processor: Broadcom BCM2712, 2.4GHz quad-core, 64-bit Arm Cortex-A76 CPU, with 512KB L2 caches and a 2MB shared L3 cache, VideoCore VII GPU, supporting OpenGL ES 3.1, Vulkan 1.2, 4Kp60 HEVC decoder, LPDDR4X-4267 SDRAM, Dual-band 802.11ac Wi-Fi, Bluetooth 5.0 / Bluetooth Low Energy (BLE), Micro SD card slot, with support for high-speed SDR104 mode, 2 x USB 3.0 ports, supporting simultaneous 5Gbps operation, 2 x USB 2.0 ports, Gigabit Ethernet, with PoE+ support (requires separate PoE+ HAT), 2 x 4-lane MIPI camera/display transceivers, PCIe 2.0 x1 interface for fast peripherals (requires separate M.2 HAT or other adapter), 5V/5A DC power via USB-C, with Power Delivery support, Raspberry Pi standard 40-pin header, Real-time clock (RTC), powered from external battery, Power button KIT-4D : 1. RASPBERRY PI 5 - 4GB RAM 2. Metal Heatsink Case 3. MicroSD 32GB (Terinstall Raspberry Pi OS terbaru "Bookworm") 4. Adaptor 5V/5A Type-C (Real Capacity) 5. HDMI Cable L=1M (microHDMI to HDMI) 6. LAN Cable L=1M	20	unit	Rp	3.141.645	Rp	62.832.904	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
42	Ultra High Frequency RFID Reader	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	UHF RFID Integrated Reader & Writer Middle Range Distance With IP UHF Mid Range Reader adalah reader outdoor dengan kemampuan membaca Tag / Kartu UHF hingga jarak 6 m. UHF Reader ini dapat digunakan untuk berbagai keperluan seperti kontrol inventori di gudang, toko, ataupun kontrol akses sekuriti. Reader ini dilengkapi dengan Free SDK dan Demo Software untuk integrasi dengan external software, dan juga output wiegand ke access controller system	2	unit	Rp	2.776.188	Rp	5.552.375	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
43	Ultra High Frequency Writer	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Desk CF601 UHF desktop reader writer frequency 902-928MHz (US) / 865-868MHz(EU) interface USB Operating mode USB read-only/read-write mode USB virtual serial port output USB virtual keyboard output RF power 0-17dbm(adjustable) Reading distance 0-35cm (Depends on tag type and application environment) Power supply 5V Specification Size : 85*125*18.8mm / Weight : 86.5g material ABS , can customize silk screen logo Single packing specification Size : 150*150*35mm / Weight : 230g Operating temperature -10--+65°C Storage temperature	1	unit	Rp	1.275.945	Rp	1.275.945	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

44	3D printer	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Bambulab P1S Combo CoreXY Full 3D Printer High Speed with AMS Technical Specifications Build volume: 256 x 256 x 256 mm Feeder system: Direct Print head: Single nozzle Nozzle size: 0.4 mm Max. hot end temperature: 300 °C Max. heated bed temperature: 100 °C Print bed material: PEI-coated spring steel sheet Frame: Steel Bed leveling: Automatic Display: 2.7-inch LCD Connectivity: Wi-Fi, Bluetooth, MicroSD Print recovery: Yes Filament sensor: Yes Camera: Yes	1	unit	Rp 26.848.569	Rp 26.848.569	- Belum ada produk bertKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
45	Drone Quadcopter Kit	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Ground POWER SUPPLY 24V/30A JARING SWITCHING, Charger ToolkitRC M6DAC 700W AC DC Dual Channel USB C Lipo Battery Charger, Transmitter RadioMaster TX16S MKII Mark II Hall Gimbal Radio Transmitter - ELRS, Receiver Happymodel 2.4G ExpressLRS ELRS EP1 Dual TCXO True Diversty Receiver, Baterai Transmitter RadioMaster 2S 5000mah Li-Ion Battery for TX16S Boxer TX12 Transmitter, Telemetry Ground RadioMaster Ranger 2.4Ghz 1W 1000Hz ELRS ExpressLRS TX Module, Bateray Telemetry ThunderX 2500MAH 25A 3S Li-ion Long Range Battery XT60 18650 Liion, Air Telemetry Air Happymodel 2.4G ExpressLRS ELRS EP1 Dual TCXO True Diversty Receiver, Flight Controller Holybro Pixhawk 4 Autopilot Set, ESC T-motor FLAME 80A 12S HV 6-12S, Motor T-MOTOR V505 KV260, Propeller Gemfan 17x5.5 T-Type Carbon Fiber Propeller (CW-CCW), Baterai Baterai Lipo Tattu 10000mAh 6S 25C XT90 22.2V Air Unit + Receiver Caddx Walksnail Avatar VRX HD Module Set (Convert Analog to Digital) - VRX+HD Pro32 Baterai Receiver ThunderX 2500MAH 25A 3S Li-ion Long Range Battery XT60 18650 Liion Wiring : Kabel+ soket, Mounting : Semua jenis mounting elektrik 3D Printed + desain 3D Sudah termasuk perakitan	1	unit	Rp 113.894.880	Rp 113.894.880	- Belum ada produk bertKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
46	Head Mounted Device VR/MR	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Merk: Meta Quest 3 Spesifikasi : Launch : Oct 2023 Lens Type : Pancake Field of View : 110° Lens Separation : 58mm - 70mm Supported IPDs : 53mm - 75mm Pixel Per Eye : 2064x2208 Max Refresh Rate : 120 Hz Chipset : Snapdragon XR2 Gen 2 RAM : 8 Gb ROM : 128 Gb Passthrough : True Color High Resolution Isi Paket: - Meta Quest 3 Headset dengan Standard Facial Interface. - Controller kiri dan kanan dengan baterai AA. - Kabel charging & adaptor.	2	unit	Rp 12.746.019	Rp 25.492.038	- Belum ada produk bertKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
47	Monitor LED	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Samsung 27" CR50 FHD Curved Monitor with Bezel-less Design & FreeSync - Comfortable and Immersive viewing experience with curved screen - Incredibly slim and stylish design with bezel-less screen U - Smooth game play with AMD FreeSync™ and Game Mode	8	unit	Rp 2.498.166	Rp 19.985.328	- Belum ada produk bertKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
48	Mouse dan Keyboard	Alat Penunjang Pendidikan Prodi Teknik Infomatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Logitech MK275 Wireless Keyboard Mouse, Paket kombo perangkat aksesoris komputer nirkabel. Keyboard Logitech MK275 dilengkapi bantalan angka, tombol pengarah navigasi, dan sembilan F-Key yang sangat bermanfaat untuk memudahkan pekerjaan Anda. Ada juga tombol Shortcut untuk mengontrol fungsi Media Player. Sementara itu, desain Mouse yang ringkas sangat nyaman digunakan baik dengan tangan kanan atau kiri. Koneksi Nirkabel Tanpa Jeda hingga 10 Meter Keyboard dan Mouse Logitech MK275 sama-sama menggunakan teknologi nirkabel 2.4 GHz. Teknologi nirkabel terkini yang juga banyak digunakan produk aksesoris nirkabel terkemuka di dunia ini memungkinkan Anda bisa mengoperasikan perangkat nirkabel seperti perangkat kabel. Koneksi nirkabel 2.4 GHz mampu menghilangkan jeda, koneksi terputus-putus, dan gangguan sinyal nirkabel dari perangkat ke Nano Receiver. Ditambah lagi, koneksi 2.4 GHz memungkinkan Anda bisa menggunakan perangkat nirkabel hingga jarak 10 meter. 8 Tombol Shortcut 8 buah tombol Shortcut berwarna biru untuk mengatur fitur multimedia. Akses aplikasi atau fitur apapun yang dibutuhkan jadi lebih cepat dan mudah.	8	unit	Rp 514.407	Rp 4.115.258	- Belum ada produk bertKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

49	PC Rakitan AMD Ryzen 9 7900x	Alat Penunjang Pendidikan Prodi Teknik Informatika dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	PC Custom Spesifikasi : MSI B650 Gaming plus Wifi Processor AMD Ryzen 9 7900x without cooler RAM Adata XPG Lancer Blade RGB 32 GB Kit 6400 MHZ (2x16GTB) DDR 5 Grey / White SSD Kingston SSD NVME NV2 500G SNV2S/500G 635.00 PSU msi mag A750GL PCIE5 (750watt) 80 + gold Case MAG FORGE 120A Air Flow 6 Fan Cooler Processor MSI MAG Coreliquid E240 VGA Card Gigabyte VGA Nvidia GV-N4070WF3OC-12GD	8	unit	Rp 44.772.483	Rp 358.179.862	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
50	Stopwatch (MK Atletik)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Model - S23601P Calibre No. - S056 Power Reserve/Battery Life - 3 Years Battery Type - CR2032 Calibre Specifications Calibre Function - Stopwatch Calibre Accuracy - +/-30 seconds a month (at normal temperature range (3 and 25) Calibre Display - Digital Case Specifications Water Resistance - 50 Metres Case Material - Plastic Case colour - Black Band/Bracelet Type - NECK Strap - Nylon Band/Bracelet colour - Black Band Reference - DD83AD Glass Type - Acrylic LAYOUT SPECIFICATIONS : Dial Colour - LCD Hand Indicators - DIGITAL - Hour, Minute, Seconds Calendar Indicators - Date, Month, Year Dial Markers - Digital Numerals FEATURES : Stopwatch - Stopwatch Measures 100 Hours In 1/100th Of A Second Increments With 999 Split/Lap Times - Saves Up To 100 In Memory	40	unit	Rp 1.588.688	Rp 63.547.500	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
51	Speaker Bluetooth (MK General Aerobic)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	JBL EON725	5	unit	Rp 27.056.250	Rp 135.281.250	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
52	Stick hoki (MK Hoki)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Stik hockey alfa O50 kode 12582 warna hitam doffe list orange panjang 96 cm carbon 30% kevlar 5% class fibre 65% diameter grip 37,5"	20	unit	Rp 3.658.838	Rp 73.176.750	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
53	Helm Hoki (MK Hoki)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Peralatan Keselamatan Masker Wajah Penuh Pelindung Kepala Helm Roller Skating Alat Pelindung Olahraga Luar Ruangan	20	unit	Rp 2.294.648	Rp 45.892.950	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
54	CCM Tacks 9550 Shoulder PadsElbow Pad Knee protection hockey pants (MK Hoki)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	CCM Tacks 9550 Shoulder PadsElbow Pad Knee protection hockey pants (MK Hoki)	4	unit	Rp 14.932.275	Rp 59.729.100	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

55	Portable Basketball Hoop Z (MK Bola Basket)	Alat Penunjang Pendidikan Prodi Pendidikan Jasmani, Kesehatan dan Rekreasi dalam rangka Program Kompetisi Kampus Merdeka (PKKM)	Spesifications Model: Portable Hoop SBA027 Model Z Height total : Max 370cm (Adjustable) Ring Height: Max 305cm (floor to ring) Rim Diameter: 18"/45 mm Material: Steel and PE Board Backboard: 136.5x82 cm Box Packaging Size: 140 X 92 X 34 cm	4	unit	Rp 13.875.000	Rp 55.500.000	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
56	Logitech Group Video Conferencing System		HD & 10x Zoom - Garansi 2th - Group only	2	unit	Rp 19.015.965	Rp 38.031.930	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
57	Dekstop All in One		ACER ASPIRE ALL IN ONE C24-1750-17-512 (24") 12th Gen Intel Core i7	16	unit	Rp 21.307.321	Rp 340.917.142	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
58	Mic Wireless Conference System		Digital Conference System wireless Anysong PMM 7766 series	1	unit	Rp 31.720.248	Rp 31.720.248	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran
59	APC Easy UPS		UPS APC Easy UPS BVX 1200VA 650W BVX1200LI-MS	16	unit	Rp 1.976.690	Rp 31.627.044	- Belum ada produk ber-TKDN atau produk dalam negeri atau kekhususan spesifikasi dalam proses pembelajaran

PERBANDINGAN SPESIFIKASI PRODUK IMPOR DAN PRODUK DALAM NEGERI

No	Nama Produk	Spesifikasi			Kesesuaian	Keterangan	
		Aspek	Kebutuhan	Produk Dalam Negeri			Merk Produk Dalam Negeri
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Cardio Pulmonary Exercise Testing		<p>Cosmed K5</p> <p>Physical Design</p> <p>Metabolic system</p> <p>IP (Protection Standard) IP54 standard (Rugged design, weather sealed, waterproof and dust-proof)</p> <p>Keyboard 4 keys waterproof (On/Off, Rec, Home/Marker, Back/Check)</p> <p>Harness Multi-size ergonomic harness, adjustable</p> <p>Mounts Camera mount screw thread standard 1/4" 20 UNC for mounting on several physical supports</p> <p>Gas & Flow Measurements</p> <p>Gas Exchange (standard) Breath by Breath</p> <p>Flowmeter Digital Turbine (Ventilation 0-300 l/min; accuracy <2% or 50ml/min)</p> <p>O2 sensor GFC 0-100% range, lifespan 12 months (user replaceable), ±0.02% Vol. accuracy, ~120 ms Response Time</p> <p>CO2 sensor Digital NDIR, 0-10% range, ±0.02% Vol. accuracy, ~100 ms Response Time</p> <p>Wireless Connectivity</p> <p>Telemetry (standard) Bluetooth 2.1 + EDR Class II (Range 10 m line-of-sight)</p> <p>Telemetry (optional) Long range Bluetooth 2.1 + EDR Class I (Up to 1000 m line-of-sight)</p> <p>ANT+ Module (optional) ANT+ engine (master/slave) for integrating ANT+ profiles up to 8 channels</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
2	Gait Analysis		<p>Contemplas</p> <p>Provides you with all the technical requirements you need to carry out a professional gait analysis - from simple recording to markerless tracking. The following components are available within the setup</p> <p>Usability : With our use rfriendly technology ,we support you infast and effective data aquisition and analysis consulting.</p> <p>Mobile vs Static : Whether in laboratory or in thefield-we offer you maximum flexibility in analysis</p> <p>Markerless : Benefit from the automatic markerless tracking of all body points. Save valuable time and resources by skipping the step of marker digitizing</p> <p>Multi Device : Integrate further measuring devices in your video-based setup, such as EMG, force measurments, pressure distribution or time measurements</p> <p>Image Enhancement : TEMPLO® allows you to correc tbrightness, gamma, contrast and colour of the videos in real-time</p> <p>Automatic Reporting : TEMPLO® generates full reporting directly after the analysis. Provide your patients full analys is data</p> <p>Extendable : Start with the basic 2D set up and growt a professional 3D laboratory</p> <p>Reference Data : Compare your analysis results with reference data to workout deficits and to diagnose your patients</p> <p>Create individual analysisdashboardsaccordingtothepatient'sdiagnosis</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
3	Genetic IVD		<p>Thermo Fisher 3500DX IVD system components 8-capillary (3500 Dx Genetic Analyzer) DNA sequencing and fragment analysis reagents and consumables 'Integrated, dual-mode software for instrument control, data collection, quality control, and auto-analysis of sample files for basecalling IVD system consumables Capillary arrays: The internally uncoated capillaries are supplied in assemblies of 8 or 24 capillaries per array, with a 50 cm built-in frame for easy installation. The capillary arrays are specified for 160 injections 'Performance-optimized polymer (POP) pouches: Applied Biosystems™ POP-6™ Polymer for sequencing and POP-7™ Polymer for fragment analysis are packaged in ready-to-use, load-and-run pouches. Each polymer is available in 2 sizes: 384 samples (a maximum of 60 injections for use with the 3500 Dx Genetic Analyzer), and 960 samples (a maximum of 120 injections for use with the 3500 Dx Genetic Analyzer). The pouches have adequate polymer to support the stated number of samples or injections, plus additional volume for initial setup and installation operations Buffer and conditioning reagent consumables: The cathode buffer, anode buffer, and conditioning reagent for the 3500 Dx Series Genetic Analyzers are also designed for ready-to-use</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
4	Trigno Avanti Sensor		<p>Delsys Sensor Channels : 1x EMG, up to 6x IMU Reference Type : Dual on-board stabilizing reference Inter-Electrode Spacing : 10 mm Battery Life : 4-8 hours Operating Range : 40 m in RF mode; Host Dependent/unlimited datalogger Wireless Protocol : 2.400-2.483 GHz ISM Band,Proprietary RF Protocol; BLE V4.2 EMG Bandwidths : 10-850 Hz; 20-450 Hz EMG Sampling Rate (Max) : 4370 sa/sec Contact Material : 99.9% Silver Include 16 Sensor Wireless EMG System; Installation; Setting,; Configuration; Training</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
5	Performance Analysis		<p>Contemplas</p> <p>Usability : With our user friendly technology ,we support you in fast and effective data aquisition and analysis consulting</p> <p>Mobile vs Static : Whether in laboratory or in the sports field. We offer you maximum flexibility in analysis</p> <p>2D and 3D : Analyse in 2D or extend your set up to comprehensive 3D analysis depending on your requirements</p> <p>Multi Device : Integrate further measuring devices in your video-based setup, such as EMG or time measurements</p> <p>Image Enhancement : TEMPLO® allows you to correct brightness, gamma, contrast and colour of the videos in real-time</p> <p>Automatic Reporting : TEMPLO® generates full reporting directly after the analysis .More than 60 relevant parameters are available for each jump</p> <p>Extendable : Videos can be streamed to mobile devices to analyse and record simultaneously</p> <p>'Jump : Look into your athletes high-speed strength performance; Key jump tests Squat Jump, Counter Movement Jump, Drop Jump; Landingmechanics; Bilateral asymetries in eccentric & concentricphases</p> <p>'Balance : Feedback your athletes balance abilities immediately; Static and dynamic dysbalances; Live visual feedback; Fast & easy colour feed backf or areas out of tolerance</p> <p>'Agility : Give immediate feedback about your athletes neuro muscular performance; Speed and contact times; Frequency measures: Reactivity</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
6	Force Plates		<p>AMTI BMS400600</p> <p>Channels : Fx, Fy, Fz, Mx, My, Mz</p> <p>Fx, Fy, Fz Hysteresis : ±0.2% full scale output</p> <p>Mounting Hardware : Recommended</p> <p>Amplifier : Included (OPT-SC)</p> <p>Temperature Range : -18°C to 50°C</p> <p>Excitation : 10 V maximum</p> <p>Sensing Elements : Strain gage bridge</p> <p>'Outputs : Digital (USB) or Analog</p> <p>'Dimensions : 400 x 600 x 82.5 mm</p> <p>'Include Solid aluminum top with thru-top mounting; 9 meter force platform to amplifier cable; OPT-SC signal amplifier; one pair of modular mounting rails and resin kit; Installation; Setting,; Configuration; Training</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
7	Performance Package		Contemplas a. Templo Software : Profesional video analysis in sports and medicine b. 1 TPL U&S Mod : Update and service contract of Templo including all modules License : The U&S contract authorized to download the current version of TEMPLO and its subsequent releases c. 1 TPL cGait : TEMPLO software module : Clinical Gait analysis - Pre defined protocols created for clinical applications and questions. - Protocols for 1, 2 or 4 camera perspectives. - Gait cycle phases and concept according to current literature - Pre defined protocol "Gait Check" for a fast screening ' - Automatic reporting including gait-time-parameters and angles in dtermined gait phases 'd. 1 TPL MLT2D : TEMPLO software module ' - Markerless tracking automatic, markerless detection and tracking of anatomic joint centers of the entire human body in video images for kinematic calculations. This modul is supports the additional modules for clinical gait analysis, running and performance analysis 'e. 2 Standard Camera Set : USB3 High Speed Camera : 2048 x 1500 Pixel @120fps, 2048 x 1080 Pixel @165fps, 2048 x 800 Pixel @220fps, 2048 x 512 Pixel @340fps; 4-12mm Lens; Tripod or Clamp; 15mm USB3 Cable; USB3 PC or Notebook Interface	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
8	Shockwave Therapy		Chattanooga Intellect FSW F-SW operating mode : F-SW, Single shock, continuous shock 1-8 Hz F-SW energy selection : in steps from 0.01 to 0.55 mJ/mm2 Mains input voltage : 100 – 240 VAC Mains frequency : 50 / 60 Hz Mains fuse : T5AL/250 VAC Power consumption : max. 450 VA Ambient temperature during operation : 10 – 30 °C 'Ambient temperature during storage and transport : 0 – 60 °C frost free 'Ambient pressure during storage and transport : 500 – 1060 hPa 'Ambient air pressure during operating : 800 – 1060 hPa 'Air humidity : 5 – 95%, non-condensing 'Control device weight : 22.1 kg 'F-SW handpiece weight : 770 g 'Classification according to MDD : Class IIb device 'Protection against the ingress of water : IPX1 'Include Installation; Setting,; Configuration; Training	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi			Kesesuaian	Keterangan	
		Aspek	Kebutuhan	Produk Dalam Negeri			Merk Produk Dalam Negeri
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9	Movement Analysis System		<p>Vald Performance Humantrak</p> <p>Lower body dynamic : single leg squat, squat, drop jump, lunge, overheat squat, countermovement jump</p> <p>Cervical spine : lateral flexion ROM, flexion/extension ROM</p> <p>Shoulder : abduction/adduction ROM, flexion/extension ROM, internal/external rotation ROM</p> <p>Stability : single leg posture, tandem stand, single leg stand, standing posture, semi-tandem stand, 30-second sit-to-stand</p> <p>Auto trainer : build and run interactive, training programs</p> <p>'Unlike other movement analysis systems that fill an entire room or require complex setup and lengthy data processing, HumanTrak fits in a suitcase and can be unpacked, set up and ready to test in less than five minutes</p> <p>'Once set up, this world-first technology allows you to select from a range of pre-programmed tests so the athlete can immediately begin their assessment and view their performance in real time</p> <p>SOFTWARE</p> <p>'a. AutoTrainer : Build a tailored training program with AutoTrainer, complete with reps, sets and rest. AutoTrainer guides athletes through each exercise in the program, without the intervention of coaches</p> <p>'b. SwayTrak : SwayTrak reports centre of mass movement in the anteroposterior and mediolateral directions during balance assessments. Overall sway is quantified with a balance algorithm which can be used for baseline testing and tracking</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
10	Timing Gate System		<p>Vald Performance Smartspeed</p> <p>8 Sensor Gate</p> <p>Singel Beam with Error Correction Processing</p> <p>Wireless Control up to 200 metres</p> <p>Conduct Single or multi lane timing</p> <p>Create reactive training drills</p> <p>Inter-unit : 120 m (131.23 yd) (primary unit to furthest unit)</p> <p>Bluetooth : 30 m (32.81 yd) (primary unit to mobile device)</p> <p>'Gate setup : 4 m (4.37 yd) (unit to reflector)</p> <p>'Detection type : Time of flight LiDAR and reflector</p> <p>'Laser : 635 nm visible aiming laser</p> <p>'Feedback : LED panels (40 x 16 resolution) 95 dB buzzer</p> <p>'Wireless : UWB IEEE 802.15.4 star network</p> <p>'Unit of time : 1/1000th of a second</p> <p>'Power : 3.7V 10.4Ah Li-Ion removable and rechargeable battery</p> <p>'Battery life : 10 hours active use (approx.)</p> <p>'Charging method : Four battery charge dock</p> <p>'Charge time : 7 hours</p> <p>'Connectivity : USB-C port (accessory adaptor with PS2 accessory connectors)</p> <p>'Operating ambient temperature : 0°C - 35°C (32°F - 95°F)</p> <p>'Software Requirements iOS : All iOS mobile phones and tablets purchased after July 2017, Minimum requirement - iOS 15</p> <p>'Include Installation; Setting; Configuration; Training</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
11	Treadmill		Lode Valiant Ultra 300 'Large Belt Surface: The treadmill boasts an expansive belt surface measuring an impressive 300 x 200 cm maximum speed 40 km/h (24.9 mph) minimum operational speed 01 km/h (0.6 mph) speed adjustment steps 0 km/h (0 mph) positive elevation 25 % elevation adjustment steps 0.5 % negative elevation -25 % speed accuracy <2 km/h ± 0,1 km/h 'speed accuracy >2 km/h ± 5 % 'accuracy inclination ± 0,3 % 'allowed user weight 225 kg (496 lbs) 'Readout actual elevation on control unit (treadmill only) 'Readout the target elevation on control unit (treadmill only) 'Readout the distance on control unit 'Customized Screenviews 'operation by touch screen 'connection via USB possible 'Power cord 3L+N+PE 'Maximum rated power input 8000 VA '3 x 400 V needed power connection 'maximum motor power 8 kW 'emergency stop fully integrated 'an emergency stop with a magnetic lanyard is present	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
12	Performance Testing System		Keiser A-300 Leg Press With A420 Display Offers unilateral movement – each limb can be trained symmetrically Increased resistance range for more intense functional workouts Smooth Keiser Dynamic Variable Resistance Fully adjustable to accommodate a wide range of users Bilateral movement for body symmetry training Large digital displays with resistance and counted repetitions HEIGHT: 48" / 1219 mm 'WIDTH: 38" / 965 mm 'DEPTH: 69" / 1753 mm 'RESISTANCE RANGE: 0 - 1200 lbs / 0 - 545 kg 'Include Installation; Setting; Configuration; Training	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
13	Mini PC		Jetson AGX Xavier AI Performance 32 TOPS GPU 512-core NVIDIA Volta architecture GPU with 64 Tensor Cores GPU Max Frequency 1377 MHz CPU 8-core NVIDIA Carmel Arm®v8.2 64-bit CPU 8MB L2 + 4MB L3 CPU Max Frequency 2.2 GHz Memory 32GB 256-bit LPDDR4x 136.5GB/s 'Storage 32GB eMMC 5.1 'Display 3 multi-mode DP 1.4/eDP 1.4/HDMI 2.0 'Other 5x UART, 3x SPI, 4x I2S, 8x I2C, 2x CAN, PWM, DMIC, GPIOs 'Power 10W - 30W 'Include Installation; Setting; Configuration; Training	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
14	Monitor		Kenowa K15TS Display Type: 15.6 inch Resolution: 1920 x 1080 Touchscreen : 10-finger multi-touch touchscreen (gestures compatible) untuk Macbook tidak bisa menggunakan touchscreen Panel Type: IPS LCD backlight Visual Angle: 178 degree wide-view Thickness : 10 mm Color gamut: 72% 'Display color: 16.7M 'Contrast ratio: 800:1 'Aspect Ratio: 16:9 'Brightness: 250cd/m 'Compatible systems: Windows 7/8/10, Linux, Mac	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
15	Drone		DJI Matrice 350 RTK + Zenmuse P1 Flight Batteries & Payload Not Included Multi-Payload Support DJI RC Plus Controller Included Night-Vision FPV Camera DJI O3 Enterprise Transmission Up to 55 Minutes of Flight Time 1 Year of Care Basic Coverage Included '6-Direction Sensing & Avoidance 'High Wind, Heat, Cold & Water Resistance 'Maximum Range of 12.4 Miles 'Ingress Protection Rating IP55 'Kecepatan Max Ascent Speed: 6 m/s; Max Descent Speed (vertical): 5 m/s; Max Tilted Descent Speed: 7 m/s; Max Horizontal Speed: 23 m/s 'Hover Accuracy RTK: Horizontal: ±0.3' / 0.1 m Vertical: ±0.3' / 0.1 m; GNS: Horizontal: ±4.9' / 1.5 m Vertical: ±1.6' / 0.5 m; Vision Positioning: Horizontal: ±1.0' / 0.3 m Vertical: ±0.3' / 0.1 m 'Voltage 100-120 VAC, 50-60 Hz; 220-240 VAC, 50-60 Hz 'Remote Control Built-in Battery: Type: Li-ion (6500 mAh@7.2 V); Charging Type: Use the battery station or USB-C fast charger with a max power of 65 W (max voltage of 20 V); Charging Time: 2 hours; Chemical System: LiNiCoAlO2; Operating Time: Built-in Battery: approx. 3.3 hours; Built-in Battery + External Battery: approx. 6 hours; Wi-Fi Protocol Wi-Fi 6; Bluetooth 5.1	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
16	Functional Trainer		Keiser A400 Features : Complete control of resistance levels Keiser smooth, consistent resistance with virtually zero shock loading Takes up less space and time with a small footprint and multi-user pieces that allow group training Unlimited possibilities for training – any load, any speed, any plane Versatility that allows you to customize your workout Compressor Quiet 230V - 50Hz (1 Unit) International Electrical System; 4 - 8 Machine Capacity Keiser Echip Keydata CS (2 Unit) Power Kit USB (1 Unit) Tubing Connector for Installation (1 Set) Tubing 500 ODX 0.062 W-BK PE Union - 1/2C x 3/8C Kit - Single Outlet F.M.Cut - In Box F.M.Cover W/One Grommet Include Installation; Setting,; Configuration; Training	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
17	Spectrum Two FTIR with Diamond ATR		<p>Perkin Elmer</p> <p>Optical Performance</p> <p>Wavelength Range 8,300 – 350 cm⁻¹ optimized, proprietary KBr beamsplitter 6500-550 cm⁻¹ with ZnSe optics</p> <p>Spectral Resolution 0.5 cm⁻¹ standard</p> <p>Wavelength Precision Better than 0.01 cm⁻¹ at 3000 cm⁻¹</p> <p>Wavelength Accuracy 0.1 cm⁻¹ at 3000 cm⁻¹</p> <p>Optical System</p> <p>General Long-life sealed and desiccated optical unit incorporating Opticsguard™ design, Vibration isolated baseplate</p> <p>Interferometer Rotary Michelson interferometer, High stability, self-compensating for dynamic alignment changes due to a tilt and shear</p> <p>Optics Kinematically mounted, zero alignment optics , with high reflectivity and a low angle off axis design. Proprietary OpticsGuard system for extended desiccant life and additional optical component protection</p> <p>Detectors High linearity room temperature detector (standard)</p> <p>Temperature-stabilised room temperature DTGS detector optional</p> <p>Source Long-life source with proprietary hot-spot stabilization. User replaceable from outside instrument</p> <p>Beamsplitter Proprietary extended range KBr</p> <p>Desiccant Long-life desiccant system accepts disposable packs.</p> <p>Software controlled desiccant status indicator</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
18	Surface Area and Pore Size Analyzers		<p>Nova 800</p> <p>Analysis Specifications</p> <p>Measurement Principle Vacuum Volumetric</p> <p>Analysis Gases : N₂, Ar, CO₂, and other non-corrosive gases</p> <p>Analysis Stations : 4</p> <p>Independent p₀ Station : Yes</p> <p>Relative Pressure Range (p/p₀) : 10⁻⁴ to 0.999</p> <p>Pressure Measurement Accuracy : 0.1% (of full scale)a</p> <p>Pressure Resolution : Absolute: 1.2 x 10⁻⁴ Torr, Relative: 1.5 x 10⁻⁷ p/p₀</p> <p>Lower Specific Surface Area Limit : From 0.01 m²/g</p> <p>Lower Absolute Surface Area Limit : From 0.5 m²</p> <p>Surface Area Reproducibility : 2%b</p> <p>Pore Size Range : 0.35 - 500 nm (diameter), (0.35 - 1.1 nm only with CO₂)</p> <p>Minimum Pore Volume : 1.2 x10⁻⁸ cm³</p> <p>Analysis Dewar : Volume: 2 L, Duration: up to 40 hours</p> <p>Sample Preparation : Integrated Degassing Stations: 4;</p> <p>Temperature Control: 2 Heating Zones, Ambient to 425 °C;</p> <p>Available Methods: Flow & Vacuum; Programmable Multi-Step Degassing Profiles</p> <p>Physical Specifications</p> <p>Operating Environment : Temperature: 15 °C to 35 °C; Humidity: 20 to 80% Relative, Non-condensing</p> <p>Wetted Parts : Stainless Steel, Viton Elastomers</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi			Kesesuaian	Keterangan	
		Aspek	Kebutuhan	Produk Dalam Negeri			Merk Produk Dalam Negeri
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
19	Atomic Absorption Spectrometers		<p>PinAAcle 900F System Design</p> <p>The 900F (Flame) system incorporates the spectrometer and the flame components only on a single instrument</p> <p>Monochromator : Littrow design with motorized drive for automatic wavelength selection and peaking.; Wavelength range: 184-900 nm; Diffraction grating: 1800 lines/mm blazed at 236 nm and 597 nm; Grating area: 64 x 72 mm; Reciprocal linear dispersion: 1.6 nm/mm (nominal); Focal length: 267 mm</p> <p>Spectral Bandwidths : User selectable automatic slit widths of 0.2, 0.7 and 2.0 nm at their optimized slit height</p> <p>Detector : Wide-range segmented solid-state detector, including a built-in low-noise CMOS charge amplifier array</p> <p>Automatic Lamp Selection : 8-lamp mount with built-in power supplies for PerkinElmer® cableless; Lumina™ hollow cathode and patented electrodeless discharge lamps; Computer-controlled lamp selection and alignment via WinLab32™ for AA software. Lamp elements and recommended operating currents are automatically recognized and set when using Lumina hollow cathode lamps</p> <p>Background Correction</p> <p>Built-in continuum source double-beam background correction using a high-intensity deuterium arc lamp</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
20	Liquid Chromatography Mass Spectrometry		<p>Thermo Scientific ISQ EM</p> <p>Mass range : m/z 10–2000 with unit mass resolution</p> <p>Ionization technique options : Heated Electrospray Ionization (HESI) source; Dual HESI/Atmospheric Pressure Chemical Ionization (APCI) source</p> <p>Source type : Atmospheric Pressure Ionization (API) source featuring orthogonal spray design with optimized probe position and adjustable source voltage</p> <p>Source access and gas capabilities : Vacuum interlock to perform routine source maintenance without venting; Adjustable sheath, auxiliary, and sweep gas flow controls</p> <p>HESI and APCI flow rate range : Up to 2.0 mL/min</p> <p>Supported modes : Full Scan, SIM and simultaneous Full Scan/SIM</p> <p>Scan rate : Up to 20,000 Da/s</p> <p>SIM sensitivity HESI positive mode : 10 pg Reserpine, S/N ≥ 400:1 (RMS)1 at 400 µL/min Selected ion monitoring of m/z 609.3</p> <p>SIM sensitivity HESI negative mode : 20 pg p-Nitrophenol, S/N ≥ 500:1 (RMS)1 at 400 µL/min Selected ion monitoring of m/z 138.0</p> <p>SIM sensitivity APCI positive mode : 10 pg Reserpine, S/N ≥ 1000:1 (RMS)1 at 400 µL/min Selected ion monitoring of m/z 609.3</p> <p>SIM sensitivity APCI negative mode : 20 pg p-Nitrophenol, S/N ≥ 80:1 (RMS)1 at 900 µL/min</p> <p>Selected ion monitoring of m/z 138.0</p> <p>Polarity switching : Yes, 25 ms</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
21	Spectrophotometer UV-VIS		<p>Perkin Elmer Lambda 365 Plus Communication I/F : RS-232 to USB, WireTCP/IP (option), Wi-Fi (option) Method : Double beam (Czerny-Turner) Wavelength Range : 190 ~ 1100 nm Absorbance Range : $\pm 4A$ Detector : Silicon photodiode Bandwidth : 0.5, 1, 2, 5, 20 nm variable Wavelength Accuracy : ± 0.1 nm (656.1nm D2); ± 0.3 nm (all range) Wavelength Reproducibility : ≤ 0.05 nm (6 measurements at 656.1 nm, SD); ≤ 0.1 nm (all range) Photometric Repeatability : $< 0.0001 A$ (at 0.5 A) $< 0.0001 A$ (at 1 A); $< 0.0003 A$ (at 2 A) Baseline Flatness : $\pm 0.0005 A$ Photometric Noise : $< 0.00005A$ (700nm) Scans speed : 7.5 to 12,000 nm/min Stray Light : $< 0.5\%$ (198 nm KCl); $< 0.01\%$ (220 nm NaCl); $< 0.01\%$ (340 nm, 370nm NaNO₂); $< 1.0\%$ (300 nm Acetone) Source : Deuterium & Tungsten Include Installation; Setting; Configuration; Training</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
22	Spectrophotometer UV-Vis		<p>Thermo Scientific Evolution One Optical design : Double-beam with sample and reference cuvette positions Czerny-Turner Monochromator Spectral bandwidth(s) : 1.0 nm Light source : Xenon Flash Lamp, 3-year warranty (7 years typical lifetime) Detector : Dual Silicon Photodiodes Scan ordinate modes : Absorbance, % Transmittance, % Reflectance, Kubelka-Munk, log (1/R), log (Abs), Abs*Factor, Intensity Wavelength : Range 190–1100 nm; Accuracy ± 0.5 nm (541.9, 546.1 nm mercury lines) ± 0.8 nm (full range 190–1100 nm); Repeatability ≤ 0.05 nm (546.1 nm mercury line, SD of 10 measurements) Scanning speed : < 1 to 6000 nm/min; variable Data intervals : 10, 5, 2, 1.0, 0.5, 0.2, 0.1 nm Photometric : Range $> 3.5 A$; Display Range -0.3 to 4.0 A; Accuracy – Instrument 1A: $\pm 0.004 A$, 2A: $\pm 0.008 A$, Measured at 440 nm using neutral density filters traceable to NIST; Repeatability $\pm 0.0002 A$; Noise 0A: $\leq 0.00015 A$, 1A: $\leq 0.00010 A$, 2A: $\leq 0.00025 A$, 260 nm, 1.0 nm SBW, RMS; Drift (Stability) $< 0.0005 A/hr$, 500 nm, 1.0 nm SBW, 1 hour warm-up Stray light : KCl, 198 nm: $\leq 1\% T$; NaI, 220 nm: $\leq 0.05\% T$; NaNO₂, 340 nm: $< 0.05\% T$ Baseline flatness : $\pm 0.0006 A$; 200–800 nm, 1.0 nm SBW, smoothing</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	Melting Point		<p>Buchi M-560</p> <p>Positions for melting capillaries : 3</p> <p>Positions for boiling capillaries : 1</p> <p>Display : Color, TFT, 320 x 240, 3.5"</p> <p>Precision magnifying lens : 1</p> <p>Magnification of lens : 2.5 x</p> <p>Determination temperature range Ambient : + 10 °C to 400 °C</p> <p>Temperature resolution : 0.1 °C</p> <p>Repeatability of melting point at 0.5 °C/min : ± 0.1 °C</p> <p>Accuracy of the oven temperature at 0.5 °C/min : ± 0.2 °C</p> <p>Accuracy of boiling point at 1.0 °C/min : up to 400 °C ± 0.5 °C</p> <p>Temperature gradients : °C/min 0.1, 0.2, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10, 20</p> <p>Cool-down time (350 °C – 50 °C) at 25 °C : ~ 13 min</p> <p>Heat-up time (50 °C – 350 °C) at 25 °C : ~ 4 min</p> <p>Connection voltage : 100 - 240 ± 10 % VAC</p> <p>Power consumption : 150 W</p> <p>Frequency : 50 / 60 Hz</p> <p>IP Code : IP20</p> <p>Overvoltage category : II</p> <p>Pollution degree : 2</p> <p>Include Installation; Setting,; Configuration; Training</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
24	Technology Enhanced Learning		<p>Mindray</p> <p>Main unit : HyLED C7</p> <p>Lightsource type : LED</p> <p>Illumination level - maximum lux levels at 1m: 160,000 lux in ten levels</p> <p>M-Field : 3,000 lux, 60 cm</p> <p>MIS lighting : 8,000 lux</p> <p>Dimming range : 20%-100% dimmer by control panel</p> <p>Field Size(D10): 140-300 mm in five levels</p> <p>Shadow dilution with one lateral mask : 0,76</p> <p>Shadow dilution:one lateral mask and cavity : 0,71</p> <p>Shadow dilution with tube : 1</p> <p>Shadow dilution: double mask : 0,56</p> <p>Shadow dilution: double mask and cavity : 0,51</p> <p>Number of bulbs/LEDs : 39/36 LEDs</p> <p>Life(hrs): 60000 hours for LEDs</p> <p>Colour Temperature (K): Five ranks for variable color temperature 3,500/3,700/4,000/4,350/5,100K</p> <p>Colour rendering index: Ra:99</p> <p>Colour rendering index - R9 value: R9:97</p> <p>Depth of illumination (20%) (under large light field) : 1400 mm</p> <p>Depth of illumination (60%) (under large light field) : 800 mm</p> <p>Focus : Auto focus</p> <p>Optic design: Multi-Patch Superposition Technology(MPST), which generates a homogeneous light field even blocked by surgeon's head</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	Interactive Smartboard		ViewSonic ViewBoard IFP7550 Panel Size: 75" Panel Type: TFT LCD Module with DLED Backlight. IPS Display Area (mm): 1650.24(H) × 928.26(V) Aspect Ratio: 16:9 Resolution: UHD 3840x2160 Colors: 1.07B colors (10bit) Brightness: 500 nits Contrast Ratio: 1200:1 (typ.) 6000:1 (DCR) Response Time: 8ms Viewing Angles: H = 178, V = 178 typ. Backlight Life: 50,000 hours(Min) Surface Treatment: Hardness: 7H, Anti-glare coating Bezel: Slim Orientation: Landscape Disclaimer: 50,000 hours backlight life at 8 hours of use per day Platform Processor: ARM Cortex-A73*4 + Cortex-A53*4; RAM: 8GB; Storage: 64GB Type/ Tech: Ultra Fine Touch Technology (IR Recognition) Touch Resolution: 32768 ×32768 Touch Point: Windows: 40 points of touch, Android : 20 points of touch INPUT HDMI: 2.0 x 3 (3840x2160 @60Hz, HDCP2.2, HDMI1 with CEC/ARC); RS232: x1; OPS: x1; WiFi: x 1 module slot OUTPUT HDMI: x1 (4K@60Hz); Audio: x1 (Earphone out); SPDIF: x1 (optical)	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
26	Televisi		Sony Screen Size 75" HDCP2.3(for HDMI™1/2/3/4) USB Drive Format Support : FAT16/FAT32/exFAT/NTFS HDMI inputs total : 4(4Side) Display Resolution : 3840 x 2160 Display Tipe : LCD Backlight Type : Direct LED Cplour Enhancement : TRILUMINOS PRO™, Live Colour™ Technology Clarity Enhancement : 4K X-Reality™ PRO Picture Modes : Vivid,Standard,Cinema,Game,Graphics,Photo,Custom,Dolby Vision (Vivid/Bright/Dark) Picture Processor : 4K HDR Processor X1™ Speaker Configuration : Full Range (Bass Reflex) x 2 Speaker Type : Bass Reflex Speaker, X-Balanced Speaker Audio Power Output : 10W + 10W Dolby Audio Format Support : Dolby™ Audio, Dolby™ Atmos Software : ECO DASHBOARD, APPLICATION STORE, ON/OFF TIMER, VOICE SEARCH, Google TV™, SLEEP TIMER, Android TV™, INTERNET BROWSER Include Standing Bracket; Installation; Setting,; Configuration; Training	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
27	Arc HPLC		<p>Waters</p> <p>Arc HPLC Core System (1 Unit)</p> <p>High Performance Analytical Detectors : A wide range of high performance detection capabilities, optimized to support the diversity of applications. Includes photodiode array, UV/Vis, fluorescence, refractive index, evaporative light scattering, conductivity, and mass detection</p> <p>Gradient SmartStart : Adjust the injection relative to the gradient start to emulate other HPLC systems' dwell volumes, without the need to alter the gradient table. Successfully transfer most methods in just two injections</p> <p>Quaternary solvent management : Precise and accurate blending of up to four solvents with automated solvent compressibility compensation. Increase solvent flexibility with an optional, integrated solvent select valve, providing access to six additional solvents</p> <p>Negligible carryover : Advanced flow-through needle design minimizes carryover by continuously cleansing the needle during run. User-configurable wash settings provide capability to address even 'sticky' compounds to help ensure a clean analysis of the current target sample</p> <p>Column technology : Heating and cooling that supports columns up to 300 mm in a stable temperature environment for method repeatability from lab-to-lab. Optional and integrated column switching for up to three columns provides unattended column changeover. Simplify method screening and easily switch back</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
28	Arc HPLC		<p>Waters</p> <p>Arc HPLC Core System (1 Unit)</p> <p>High Performance Analytical Detectors : A wide range of high performance detection capabilities, optimized to support the diversity of applications. Includes photodiode array, UV/Vis, fluorescence, refractive index, evaporative light scattering, conductivity, and mass detection</p> <p>Gradient SmartStart : Adjust the injection relative to the gradient start to emulate other HPLC systems' dwell volumes, without the need to alter the gradient table. Successfully transfer most methods in just two injections</p> <p>Quaternary solvent management : Precise and accurate blending of up to four solvents with automated solvent compressibility compensation. Increase solvent flexibility with an optional, integrated solvent select valve, providing access to six additional solvents</p> <p>Negligible carryover : Advanced flow-through needle design minimizes carryover by continuously cleansing the needle during run. User-configurable wash settings provide capability to address even 'sticky' compounds to help ensure a clean analysis of the current target sample</p> <p>Column technology : Heating and cooling that supports columns up to 300 mm in a stable temperature environment for method repeatability from lab-to-lab. Optional and integrated column switching for up to three columns provides unattended column changeover. Simplify method screening and easily switch back</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
29	PC		<p>Merek:</p> <p>HP Pavilion AIO PC 24-Ca1000d Touch I7-12700 16gb 512gb MX450 Win11 Ohs</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
30	Laptop		<p>Merek:</p> <p>Laptop ASUS TUF A15 FA507XI GeForce RTX 4070 (Ryzen 9 7940HS 16GB 1TBSD)</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
31	VR dan Controller Oculus		<p>VR dan controller Oculus Quest 2 256GB</p> <p>Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology. Mata kuliah yang disupport : Psikologi Klinis</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
32	Voice Recorder		Sony ICD-PX240 Mono Voice Recorder Rincian: perangkat untuk pelaksanaan hipnoterapi sebagai suatu intervensi psikologi Laboratorium pendukung sub-aktivitas: Health and Clinical, mata kuliah yang didukung intervensi psikologi.	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
33	Alat peraga sistem saraf manusia		Merek: Goods Goods CBN Rincian: Alat peraga praktik mata kuliah biopsikologi dan psikologi kognitif untuk mengembangkan kurikulum berstandar internasional Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
34	Electroencephalogram (EEG)		Merek: CONTEC KT88-3200 Rincian: Alat perekam gelombang listrik otak untuk kebutuhan praktikum matakuliah Biopsikologi dan Psikologi Kognitif yang mendukung perkembangan kurikulum Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
35	Kursi Relaksasi		Merek: BENBO Kursi relaksasi tubuh dan mata (Hemat listrik) Untuk mendukung mata kuliah konseling dan psikoterapi pada laboratorium health and clinical	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
36	Kursi Relaksasi		GOTO Folding chair terapi Untuk mendukung praktikum mata kuliah praktik konseling dan psikoterapi	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
37	Treadmill Set physical exercise		Treadmill Elektrik iReborn Florence, mendukung mata kuliah psikologi kesehatan Treadmill Merek: iReborn	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
38	Sepeda Statis spin Set physical exercise		Sepeda statis spin bike iReborn Revo	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
39	Sepeda eliptical Set physical exercise		Sepeda eliptical iReborn Boston Laboratorium pendukung sub-aktivitas: Health and Clinical Psychology	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
40	Mini Trainer Kit IOT		Deskripsi Produk : Uno Board + Cable, Motor DC + Daun Baling-baling, Sensor Garis Smart Car, Stepper Motor + Driver, LED Module, Joystick Module, Pir Sensor Module, 8*8 Dotmatrix, 4 Digit 7Segment, 1 Digit 7Segment, 4*4 Membrane Keypad, Vibration Sensor Module, Limit Switch Module, Touch Module, Jumper Male to Male 10cm 10pcs, Jumper Male to Male 20cm 10pcs, Jumper Male to Female 10cm 10pcs, Jumper Male to Female 20cm 10pcs, Jumper Female to Female 10cm 10pcs, Jumper Female to Female 20cm 10pcs, LM35 Sensor Module, Laser Receiver Module, Laser Transmitter Module, DHT11 Module, 1Channel Relay Module, Servo SG90, HC-SR04 Ultrasonic Sensor, Water Sensor Module, Proto Shield For Arduino UNO, LCD 2x16 + I2C Module, 4x Push Button, LDR Sensor Module, Sensor Kemiringan Analog, Led 5mm Merah 5x Hijau 5x Kuning 5x, RGB LED Module, Active Buzzer Module, Passive Buzzer Module, Infrared Module, Microphone Module, Hall Sensor, Flame Sensor Module, Infrared Receiver Module, Soil Moisture Sensor, 9V Battery Holder, 10MM RED LED Module, IC 74HC595, Infrared Remote, NTC Sensor Module, 9V Battery, Mini Pump + Hose, ProjectBoard 830, NodeMCU LUA ESP8266 Board, Potensiometer 10K, DC Plug With Cable, 4 Slot Battery AA Holder, Resistor Pack @10pcs (1k 10k 220)	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
41	Raspberry Pi 5		<p>TECHNICAL SPECIFICATIONS:</p> <p>Raspberry Pi 5 Model B (4GB), Processor: Broadcom BCM2712, 2.4GHz quad-core, 64-bit Arm Cortex-A76 CPU, with 512KB L2 caches and a 2MB shared L3 cache, VideoCore VII GPU, supporting OpenGL ES 3.1, Vulkan 1.2, 4Kp60 HEVC decoder, LPDDR4X-4267 SDRAM, Dual-band 802.11ac Wi-Fi, Bluetooth 5.0 / Bluetooth Low Energy (BLE), Micro SD card slot, with support for high-speed SDR104 mode, 2 × USB 3.0 ports, supporting simultaneous 5Gbps operation, 2 × USB 2.0 ports, Gigabit Ethernet, with PoE+ support (requires separate PoE+ HAT), 2 × 4-lane MIPI camera/display transceivers, PCIe 2.0 x1 interface for fast peripherals (requires separate M.2 HAT or other adapter), 5V/5A DC power via USB-C, with Power Delivery support, Raspberry Pi standard 40-pin header, Real-time clock (RTC), powered from external battery, Power button</p> <p>KIT-4D :</p> <ol style="list-style-type: none"> 1. RASPBERRY PI 5 - 4GB RAM 2. Metal Heatsink Case 3. MicroSD 32GB (Terinstall Raspberry Pi OS terbaru "Bookworm") 4. Adaptor 5V/5A Type-C (Real Capacity) 5. HDMI Cable L=1M (microHDMI to HDMI) 6. LAN Cable L=1M 	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
42	Ultra High Frequency RFID Reader		<p>UHF RFID Integrated Reader & Writer Middle Range Distance With IP</p> <p>UHF Mid Range Reader adalah reader outdoor dengan kemampuan membaca Tag / Kartu UHF hingga jarak 6 m. UHF Reader ini dapat digunakan untuk berbagai keperluan seperti kontrol inventori di gudang, toko, ataupun kontrol akses sekuriti.</p> <p>Reader ini dilengkapi dengan Free SDK dan Demo Software untuk integrasi dengan external software, dan juga output wiegand ke access controller system</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
43	Ultra High Frequency Writer		<p>Desk CF601 UHF desktop reader writer frequency 902~928MHz (US) / 865~868MHz(EU)</p> <p>interface USB</p> <p>Operating mode</p> <p>USB read-only/read-write mode</p> <p>USB virtual serial port output</p> <p>USB virtual keyboard output</p> <p>RF power 0-17dbm(adjustable)</p> <p>Reading distance 0~35cm (Depends on tag type and application environment)</p> <p>Power supply 5V</p> <p>Specification Size : 85*125*18.8mm / Weight : 86.5g</p> <p>material ABS , can customize silk screen logo</p> <p>Single packing specification</p> <p>Size : 150*150*35mm / Weight : 230g</p> <p>Operating temperature</p> <p>-10~+65°C</p> <p>Storage temperature</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
44	3D printer		<p>Bambulab P1S Combo CoreXY Full 3D Printer High Speed with AMS</p> <p>Technical Specifications</p> <p>Build volume: 256 x 256 x 256 mm</p> <p>Feeder system: Direct</p> <p>Print head: Single nozzle</p> <p>Nozzle size: 0.4 mm</p> <p>Max. hot end temperature: 300 °C</p> <p>Max. heated bed temperature: 100 °C</p> <p>Print bed material: PEI-coated spring steel sheet</p> <p>Frame: Steel</p> <p>Bed leveling: Automatic</p> <p>Display: 2.7-inch LCD</p> <p>Connectivity: Wi-Fi, Bluetooth, MicroSD</p> <p>Print recovery: Yes</p> <p>Filament sensor: Yes</p> <p>Camera: Yes</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
45	Drone Quadcopter Kit		<p>Ground POWER SUPPLY 24V/30A JARING SWITCHING, Charger ToolkitRC M6DAC 700W AC DC Dual Channel USB C Lipo Battery Charger, Transmitter RadioMaster TX16S MKII Mark II Hall Gimbal Radio Transmitter - ELRS, Receiver Happymodel 2.4G ExpressLRS ELRS EP1 Dual TCXO True Diversty Receiver, Baterai Transmitter RadioMaster 2S 5000mah Li-Ion Battery for TX16S Boxer TX12 Transmitter, Telemetry Ground RadioMaster Ranger 2.4Ghz 1W 1000Hz ELRS ExpressLRS TX Module, Bateray Telemetry ThunderX 2500MAH 25A 3S Li-ion Long Range Battery XT60 18650 Liion, Air Telemetry Air Happymodel 2.4G ExpressLRS ELRS EP1 Dual TCXO True Diversty Receiver, Flight Controller Holybro Pixhawk 4 Autopilot Set, ESC T-motor FLAME 80A 12S HV 6-12S, Motor T-MOTOR V505 KV260, Propeller Gemfan 17X5.5 T-Type Carbon Fiber Propeller (CW-CCW), Baterai Baterai Lipo Tattu 10000mAh 6S 25C XT90 22.2V</p> <p>Air Unit + Receiver Caddx Walksnail Avatar VRX HD Module Set (Convert Analog to Digital) - VRX+HD Pro32</p> <p>Baterai Receiver ThunderX 2500MAH 25A 3S Li-ion Long Range Battery XT60 18650 Liion</p> <p>Wiring : Kabel+ soket, Mounting : Semua jenis mounting elektrik</p> <p>3D Printed + desain 3D</p> <p>Sudah termasuk perakitan</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
46	Head Mounted Device VR/MR		<p>Merk: Meta Quest 3</p> <p>Spesifikasi :</p> <p>Launch : Oct 2023</p> <p>Lens Type : Pancake</p> <p>Field of View : 110°</p> <p>Lens Separation : 58mm - 70mm</p> <p>Supported IPDs : 53mm - 75mm</p> <p>Pixel Per Eye : 2064x2208</p> <p>Max Refresh Rate : 120 Hz</p> <p>Chipset : Snapdragon XR2 Gen 2</p> <p>RAM : 8 Gb</p> <p>ROM : 128 Gb</p> <p>Passthrough : True Color High Resolution</p> <p>Isi Paket:</p> <ul style="list-style-type: none"> - Meta Quest 3 Headset dengan Standard Facial Interface. - Controller kiri dan kanan dengan baterai AA. - Kabel charging & adaptor. 	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
47	Monitor LED		Samsung 27" CR50 FHD Curved Monitor with Bezel-less Design & FreeSync - Comfortable and Immersive viewing experience with curved screen - Incredibly slim and stylish design with bezel-less screen U - Smooth game play with AMD FreeSync™ and Game Mode	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
48	Mouse dan Keyboard		Logitech MK275 Wireless Keyboard Mouse, Paket kombo perangkat aksesoris komputer nirkabel. Keyboard Logitech MK275 dilengkapi bantalan angka, tombol pengarah navigasi, dan sembilan F-Key yang sangat bermanfaat untuk memudahkan pekerjaan Anda. Ada juga tombol Shortcut untuk mengontrol fungsi Media Player. Sementara itu, desain Mouse yang ringkas sangat nyaman digunakan baik dengan tangan kanan atau kiri. Koneksi Nirkabel Tanpa Jeda hingga 10 Meter Keyboard dan Mouse Logitech MK275 sama-sama menggunakan teknologi nirkabel 2.4 GHz. Teknologi nirkabel terkini yang juga banyak digunakan produk aksesoris nirkabel terkemuka di dunia ini memungkinkan Anda bisa mengoperasikan perangkat nirkabel seperti perangkat kabel. Koneksi nirkabel 2.4 GHz mampu menghilangkan jeda, koneksi terputus-putus, dan gangguan sinyal nirkabel dari perangkat ke Nano Receiver. Ditambah lagi, koneksi 2.4 GHz memungkinkan Anda bisa menggunakan perangkat nirkabel hingga jarak 10 meter. 8 Tombol Shortcut 8 buah tombol Shortcut berwarna biru untuk mengatur fitur multimedia. Akses aplikasi atau fitur apapun yang dibutuhkan jadi lebih cepat dan mudah.	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
49	PC Rakitan AMD Ryzen 9 7900x		PC Custom Spesifikasi : MSI B650 Gaming plus Wifi Processor AMD Ryzen 9 7900x without cooler RAM Adata XPG Lancer Blade RGB 32 GB Kit 6400 MHZ (2x16GTB) DDR 5 Grey / White SSD Kingston SSD NVME NV2 500G SNV2S/500G 635.00 PSU msi mag A750GL PCIe5 (750watt) 80 + gold Case MAG FORGE 120A Air Flow 6 Fan Cooler Processor MSI MAG Coreliquid E240 VGA Card Gigabyte VGA Nvidia GV-N4070WF3OC-12GD	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
50	Stopwatch (MK Atletik)		<p>Model - S23601P Calibre No. - S056 Power Reserve/Battery Life - 3 Years Battery Type - CR2032 Calibre Specifications Calibre Function - Stopwatch Calibre Accuracy - +/-30 seconds a month (at normal temperature range (3 and 25) Calibre Display - Digital Case Specifications Water Resistance - 50 Metres Case Material - Plastic Case colour - Black Band/Bracelet Type - NECK Strap - Nylon Band/Bracelet colour - Black Band Reference - DD83AD Glass Type - Acrylic LAYOUT SPECIFICATIONS : Dial Colour - LCD Hand Indicators - DIGITAL - Hour, Minute, Seconds Calendar Indicators - Date, Month, Year Dial Markers - Digital Numerals FEATURES : Stopwatch - Stopwatch Measures 100 Hours In 1/100th Of A Second Increments With 999 Split/Lap Times - Saves Up To 100 In Memory</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
51	Speaker Bluetooth (MK General Aerobic)		JBL EON725	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
52	Stick hoki (MK Hoki)		<p>Stik hockey alfa 050 kode 12582 warna hitam doffe list orange panjang 96 cm carbon 30% kevlar 5% class fibre 65% diameter grip 37,5"</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
53	Helm Hoki (MK Hoki)		<p>Peralatan Keselamatan Masker Wajah Penuh Pelindung Kepala Helm Roller Skating Alat Pelindung Olahraga Luar Ruangan</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
54	CCM Tacks 9550 Shoulder Pads Elbow Pad Knee protection hockey pants (MK Hoki)		<p>CCM Tacks 9550 Shoulder Pads Elbow Pad Knee protection hockey pants (MK Hoki)</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
55	Portable Basketball Hoop Z (MK Bola Basket)		<p>Spesifications Model: Portable Hoop SBA027 Model Z Height total : Max 370cm (Adjustable) Ring Height: Max 305cm (floor to ring) Rim Diameter: 18"/45 mm Material: Steel and PE Board Backboard: 136.5x82 cm Box Packaging Size: 140 X 92 X 34 cm</p>	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
56	Logitech Group Video Conferencing System		HD & 10x Zoom - Garansi 2th - Group only	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi

No	Nama Produk	Spesifikasi				Kesesuaian	Keterangan
		Aspek	Kebutuhan	Produk Dalam Negeri	Merk Produk Dalam Negeri		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
57	Dekstop All in One		ACER ASPIRE ALL IN ONE C24-1750-I7-512 (24") 12th Gen Intel Core i7	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
58	Mic Wireless Conference System		Digital Conference System wireless Anysong PMM 7766 series	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi
59	APC Easy UPS		UPS APC Easy UPS BVX 1200VA 650W BVX1200LI-MS	Belum ada	Belum ada	Sesuai / Tidak Sesuai	Kebutuhan Tidak Terpenuhi