





KATALOG BAHAN LUAK PMU 2023 - MASTER ICT/ MULTIMEDIA

BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
1	Cable mic	Conductor 32 x 0.10 mm Bare Oxygen-free Cu / Material Flexible PVC with matte finish / Diameter over sheath 6.10 ± 0.20 mm	ROLL (90m/100m)			
2	Cable speaker	Conductor Stranded 50 x 0.25 mm / Material Bare oxygen free copper (2.5 mm ²) / Material FRNC with matte finish/ Diameter over sheath 7.30 ± 0.10 m	ROLL (90m/100m)			
3	CABLE STRIPPER	Stripper and Cutter for UTP/STP Cables Strip twisted-pair UTP/STP data cables. For CAT-5, CAT-5e, and CAT-6 data cable. Plastic punch down tool.	UNIT			
4	CABLE TIE	20CM LENGTH / 8"	PACK (100PCS)			
5	CABLE TIE	30CM LENGTH / 12"	PACK (100PCS)			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

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6	CABLE TIE WITH TAG/LABEL	3X100mm	PACK (100PCS)			
7	CABLE TRACER	WIRE TRACKER FOR RJ45	UNIT			
8	Cable vga	10 meter Male to Male	ROLL (10m)			
9	Cable vga	15 meter Male to Male	ROLL (15m)			
10	Cable vga	20 meter Male to Male	ROLL (20m)			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
11	CAT5E UTP	4 PAIRS Solid Copper 24AWG Performance verified up to100MHz	BOX (305M)			


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12	CAT6 UTP	4 PAIRS 250MHz Cat6 U/UTP cable Solid copper wire 23AWG	BOX (305M)			
13	COMPACT DISC REWRITABLE (CDRW) 700MB	700MB capacity 4x - 12x write speed 80 minutes max recording time	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
14	DDR3 (4GB) SERVER RAM MODULE	1600MHz ECC Unbuffered CL11 Server Memory 4GB capacity DDR3 1.5V 240Pin	UNIT			




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15	DDR3 (4GB) RAM	1600MHz Low Voltage	UNIT			
16	DDR3 (8GB) SERVER RAM MODULE	1600MHz ECC Unbuffered CL11 Server Memory 8GB capacity DDR3 1.5V 240Pin	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
17	DISPLAYPORT TO VGA CONVERTER	Displayport to VGA (female). Minimum 15cm length	UNIT			
18	EXTERNAL HARD DISK	4TB capacity minimum 7200rpm USB3.0, USB2.0 compatible	UNIT			
19	EXTERNAL HARD DISK 1 TB	2.5" size USB3.0, USB2.0 compatible 1TB capacity	UNIT	 2.5" EXT HDD 1TB USB3.0		

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20	EXTERNAL HARD DISK 1 TB	3.5" size 1TB capacity minimum 7200rpm USB3.0, USB2.0 compatible	UNIT			
BIL	ITEM	SPEKIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
21	Graphic Card PCI-E with HDMI & VGA port	With HDMI & VGA Port	UNIT			
22	Internal Slim DVD-RW Sata Drive	Interface: SATA Cache capacity: 2MB Disc loading method: tray Burning speed: DVD-R: 8X; DVD-RW: 6X; CD- RW: 12X; CD-R: 24X	UNIT			
23	KVM SWITCH	Support PS 2/USB Monitor 4 PC	UNIT			

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24	LABEL TAPE	M-531 12mm Blue P-touch	PCS			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
25	Microphone	Handheld / Minimizes background noise / Frequency Response 50 to 15.000 Hz / Type : Dynamic (moving coil)	UNIT			
26	Microphone stand	Material: Steel and plastic Stand Height: 80cm-140cm (31.5in- 55.2in)	UNIT			
27	Mini Display Port to HDMI Adapter	For Apple iMAC Input Interface: Mini DisplayPort Male 20pin Output Interface:HDMI Female 19 Pin	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)






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28	MINI PRO CABLE TESTER	Ports: 2 x RJ45 and 2 x RJ11. Test correspondingly twin-twisted cables. Detachable Remote Tester, test cable up to 1000ft. in length.	UNIT			
29	MOUSE PAD	30CM X 50CM	UNIT			
30	NETWORK SWITCHES	8-port gigabit	UNIT			
31	NETWORK SWITCHES (NETWORK TAP DEVICE)	10/100/1000 Base-T Ethernet Traffic Regeneration Network Tap. For network traffic monitoring and analyzing.	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
32	POE ADAPTER	48VDC POWER INPUT	UNIT			

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33	PRECISION SET SCREWDRIVER	0-point and 1-point Phillips, and 1.4- mm, 2.0-mm, 2.4-mm and 3.0-mm slotted	UNIT			
34	PRINTER CABLE	USB TYPE A TO TYPE B 3M	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
35	RELEASEABLE CABLE TIE	20CM LENGTH	PACK (100PCS)			
36	RELEASEABLE CABLE TIE	30CM LENGTH	PACK (100PCS)			






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37	RJ45 CAT5/5E MODULAR PLUG	Shielded Plug Cat5/5E 8P8C	BOX (100PCS)			
38	RJ45 CAT6 MODULAR PLUG	Designed to be used with Cat6 wire. Includes gold contacts and are designed for 22-23 AWG conductors	BOX (100PCS)			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
39	RUBBER BOOT RJ45	Rubber base	BOX (100PCS)			
40	Speaker stand	HEAVY DUTY SPEAKER STAND AND ABILITY TO HANDLE MORE THEN 100KG OF BURDEN	UNIT			
41	THUMB DRIVE 128GB	128GB capacity	UNIT			




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42	Tri core wire	PVC TWISTED FLAT WIRES (PVC INSULATED FLEXIBLE WIRE) STRANDED, FLEXIBLE CONDUCTOR, MULTI-CORE, FLAT AND ROUND. POWER CORD	ROLL			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
43	USB 3.0 TO SATA CONVERTER	2.5" AND 3.5" COMPATIBLE	UNIT			
44	USB MOUSE	USB Type	UNIT			
45	USB TO SERIAL ADAPTER	RS232/422/485 COMPATIBLE	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

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46	HDMI TO VGA CONVERTER	1. Input Signal: HDMI Digital mixed signal 2. Output Signal: VGA (female) analog signal 3. Resolution: 480p/720p/1080i/1080p(automatic) 4. Support: Accord with HDMI 1.3/1. 4	UNIT			
47	VGA TO HDMI CONVERTER	Resolution:720P/1080i/1080P. Audio output:3.5 audio interface/R+L. Voltage:5V 1A. Input end: VGA (male) +Audio. Output end: HDMI	UNIT			
48	Video cable	ConductorAWG: # Coax AWG# Coax AWG Stranding Conductor Material Dia. (mm) 1 18 Solid BC - Bare Copper 1.016	ROLL			
49	WIRELESS ACCESS POINT	300mbps wifi speed	UNIT			
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
50	WIRELESS ACCESS POINT AC with POE	DUAL BAND AC1200 WITH POE				

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51	Surveillance Hard Disk	4TB size. Can be used in a DVR, NVR, Video Server or a Video Management System in order to work 24 hours a day and 7 days week	UNIT			
52	Solid State Drive (SSD) 2.5" 500GB	Model: MZ-77E500 (500GB) Form Factor 2.5-inch Capacity 500GB Sequential Read Speed Up to 560 MB/s Sequential Write Speed Up to 530 MB/s				
53	CAT6 UTP	Cat6 Blue UTP Cable 305 meter 23AWG PVC				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

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54	PoE Injector	<p>TL-POE150S IEEE 802.3af compliant Auto-determine the necessary power requirements Gigabit speed support Plug-and-Play, requires no configuration</p> <p>2 10/100/1000Mbps RJ45 Port AUTO Negotiation/AUTO MDI/MDIX 1 48VDC POWER INPUT PORT</p> <p>10BASE-T: UTP category 3, 4, 5 cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 100BASE-TX: UTP category 5, 5e cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100m)</p>				
55	Power Supply Tester PC 20/24 Pin PSU ATX SATA Tester	<p>Compliant with ATX, BTX, ITX. Test your power supply and avoid damage to your computer equipments. With indicator lights. Quick and simple to use: just plug it into your power supply. Sturdy plastic casing. Device Type: PC 20/24 Pin PSU ATX BTX ITX SATA HD Power Supply Tester Voltage source: 20/24pin (ATX-connector). Voltage test: +3.3V, +5V, +VSB, -5V, -12V and +12V. Connectors: floppy, HDD, CDROM, SATA, 4pin (P4), 8pin (Dual-CPU), 6pin (PCI-Express). Tests ATX power supply connector from PSU, regular HDD/DVD power connector, and SATA power connectors</p>				

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56	Monitor 24 inch	Brand: BenQ Model: GW2480 Interface: HDMI, DP, VGA				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
57	2D clip back barcode scanner	Bluetooth Mode: Bluetooth BLE, SPP, HID Battery capacity: 1050mAh Sensor resolution: 648X488 Sensor field of view: 66° horizontally, 50° vertically Light: 0-10,000Lux Earthquake resistance: 1.2m/4ft drop on cement surface				
58	M2TS M.2 NGFF SSD to SATA SSD Adapter	Product Code : ORICO M2TS Internal Interface : M.2 B-Key Output Port : SATA3.0 Supported SSD : 2230/2242/2260/2280 M.2 SSD Supported System : IOS, Windows7/8/10, Linux Transmission speed : 6Gbps(theoretical speed)(SATA protocol) Supported Capacity : 2TB				

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59	Brother P-Touch M-Tapes	Product code: M-K231 Size: 12mm Colour: Black on White Length: 8m				
60	UTP CAT 5e Cable	RS PRO Blue PVC Cat5e Cable U/UTP				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
61	RJ45 Male Connector	Universal RJ45 Cat5e Straight ethernet cable connector types Ethernet LAN Connector		<p style="text-align: center;">RJ45</p> 		

62	RJ11 Male Connector	RJ11 Telephone Cord Crystal Head Connector		 <p>RJ11 - 6P 4C</p>		
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63	Raspberry Pi 4 Model B Beginner Kit-UK Plug	<p>Kit + RPi 4B 8GB + UK Plug.</p> <p>1 x Raspberry Pi 4 Model B 8GB RAM 1 x Quick Start Guide (color printed copy) 1 x Official RPi 15W (5V/3A) PSU USB C UK Plug (For Raspberry Pi 4 Model B) 1 x 32GB Raspberry Pi Approved MakerDisk uSD with RPi OS 1 x 5MP Camera Board for Raspberry Pi 1 x Raspberry Pi 4 ABS Case (Black) 5 x LED 5mm Red 5 x LED 5mm Green 5 x LED 5mm Yellow 5 x LED Super Bright 5mm Blue 1 x Male to Male Jumper Wire (40 pcs) 1/4 x Male to Female Jumper Wire (10 pcs) 1/4 x Female to Female Jumper Wire (10 pcs) 5 x Resistor 0.25W 5% (150K) 5 x Resistor 0.25W 5% (220R) 5 x Resistor 0.25W 5% (10K) 5 x Resistor 0.25W 5% (470R) 5 x Resistor 0.25W 5% (330R) 1 x LDR(Small) 1 x Breadboard 8.5x5.5cm (400 Holes) 4 x 6x6x1 Push Button 4Pin 2 x Electrolytic Capacitor 16V 10uF 2 x Electrolytic Capacitor 50V 1uF 1 x Low-Cost Ultrasonic Ranging Module 1 x PIR Sensor 1 x Crocodile Clip with Wire (10pcs) 1 x Buzzer PCB Mount</p>		 <p>The image shows the Raspberry Pi 4 Model B Beginner Kit V2. It includes the Raspberry Pi 4 Model B board with 8GB RAM, a 32GB microSD card, a power supply, a camera board, a case, and various accessories like LEDs, resistors, jumper wires, a breadboard, and sensors. The kit is presented in its original packaging.</p>		
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

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<p>64</p>	<p>Starter DIY Kit 177pcs ESP32 WiFi Board/ PIR Sensor Mo</p>	<p>1 x ESP32 ESP-32S WIFI board 5x LED white 5 x LED yellow 5x LED blue 5xLED red 1 passive buzzer 1 active buzzer 1x HC-SR501 PIR sensor module 1 x photoresistor module 1 x IR sensor module 1x 5V 2 channel relay module 5xButton switch 12*12 with yellow keycap 1x 830 breadboard 1 x DHT11 sensor module 1x128x64 OLED display module 100 x resistor package (10R~1M metal film resistors) 1 x 65Pcs jumper 20x 20Pin 20cm MF Patch Cords 20 x 20Pin 20cm FF Patch Cords 1 transparent plastic box (182*88*45mm)</p>				
<p>65</p>	<p>HDMI CABLE 20 METER</p>	<p>VE HDMI (Male to male) 20Meter High Speed Gold Plated Plug HDMI Cable 1080P HDTV for laptop, projector</p>				

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66	Wireless lavalier microphone anc active noise cancellat	Boya by-m1v4 wireless lavalier microphone anc active noise cancellation 2.4ghz phone camera mic for vlogging content creators audio output USB type C connector operation range >60m				
67	UGREEN 2 IN 1 DAC Grey Cable AUDIO AUX Headphone	UGREEN 2 IN 1 DAC Grey Cable AUDIO AUX Headphone Adapter Type C Dongle Audio Jack Converter with DAC Chip				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

68	Server Memory (RAM)	16GB DDR3 PC3-10600R 1333MHZ ECC REG		<p>16GB DDR3 1333MHz</p>  <p>REG ECC / Registered RAM For Server</p>		
69	Intel Processor	INTEL XEON L5530 8M Cache, 2.40 GHz, 5.86 GT/s Model No: BX80602L5530				
70	Heatsink	DELL PowerEdge R710 CPU Heatsink TY129				

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71	Notebook Memory (RAM)	8 GB PC3-10600S DDR3 1333MHz				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
72	Display Port Cable 2 meter	Brand : Ugreen Version:DP 1.2 Model : DP102 Resolution:4K/60Hz Wire:28AWG Galvanized Copper Interface Type: DP Male Jacket Material:PVC Interface Version :DP1.2 Cable Length :2M				
73	HDMI Cable 2 meter	Brand Name: Ugreen Model No.: HD104 Model Name: HDMI 2.0 Cable HDMI Version: HDMI 2. Resolution: 4K@60Hz Total Bandwidth: 18Gbps Conductor:Tinned Oxygen-Free Copper Connector:24K Gold-Plated Jacket:Environmental PVC Cable Length: 2m				

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74	Printer Cable 3 meter	High Speed USB 2.0 male A To male B cable Printer Cable Type A Male to Type B Male Lenght: 3M				
75	Cordless Screwdriver	BOSCH GO 2 SOLO Smart Screwdriver - 06019H21L1 Voltage: 3.6V Battery: 1.5Ah Torque (Nm–Hard/Soft/Min): 5/2.5/0.2 Speed: 360rpm Electronic Brake: Yes Smart Stop: Yes Activation Mode: Push Start & Press Button Mechanical Clutch Settings: 5+Maximum Performance Mode Charging Port: Micro USB Tool Holder: ¼” Inter HEX				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)

<p>76</p>	<p>Screwdriver bit</p>	<p>BOSCH 25pcs Mini X-Line Screwdriver Bit Set - 2607017400</p> <p>Brand: BOSCH Code: 2607019676 Type: Screwdriving Drive: 1/4" Set: 25 pieces Tools: For any Electric or Cordless Rotary Drill / Drivers</p> <p>Contents: 25 pieces</p> <p>16 Screwdriver Bits 25mm: PH 1 mm, 2mm, 3mm PZ 1mm, 2mm, 3mm SL 4.5mm, 5.5mm, 8mm HEX 4 mm 5 mm 6mm T 15 mm 20 mm 25 mm 30 mm</p> <p>8 Screwdriver Bits 50mm: PH 1 mm, 2mm, 3mm SL 4.5 mm, 5.5 mm T 15 mm, 20 mm, 25 mm</p>				
<p>77</p>	<p>USB 3.0 To RJ45 Gigabit LAN Network Adapter</p>	<p>Color: Black- Transmission rate: 10/100/1000Mbps Input interface: RJ45 to network cable Output interface: USB 3.0 to computer side Compatible for: IEEE 802.3, 802.3u and 802.3ab (10 Base-T, 100Base-TX and 1000Base-T.) Supported system: Windows XP/7/8.11/10/Vista/Macintosh OSX 10.6/10.7</p>				

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78	USB3.0 & Type-C 2-in-1 Interface to 4-Port USB 3.0 Hub	<p>Brand: Vention Name: USB3.0 & USB-C 2-in-1 Interface to 4-Port USB 3.0 Hub Model: CHTBB Color: Black Interface: USB3.0 Male, USB-C Male, USB3.0 Female, Micro-USB Female Interface Technics: Nickel-plated Transmission Speed: 5Gbps Conductor: Tinned Copper Shell: ABS Chip: GL3510 Shielding: Aluminum Foil Jacket: PVC AWG: 26+32AWG OD: 4.2mm Length: 0.15m Power Supply: 5V/2A</p>				
BIL	ITEM	SPESIFIKASI	UNIT UKURAN	GAMBAR	CATATAN	HARGA (RM)
79	Fixed Dome Network Camera	<p>2 MP WDR Fixed Dome Network Camera Brand: Hikvision Model: DS-2CD2121G0-I(2.8mm)(C) Image Sensor: 1/2.7" Progressive Scan CMOS Max. Resolution: 1920 × 1080 Min. Illumination: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR Shutter Time: 1/3 s to 1/100,000 s Day & Night: IR Cut Filter Angle Adjustment: Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Focal Length & FOV: 2.8 mm: horizontal FOV 111.6°, vertical FOV 59.1°, diagonal FOV 133.9°</p>				

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80	Fixed Mini Bullet Network Camera	<p>4 MP Powered-by-DarkFighter Fixed Mini Bullet Network Camera Brand: Hikvision Model: DS-2CD2045FWD-I(2.8mm)</p> <p>Image Sensor: 1/2.5" Progressive Scan CMOS Min. Illumination: Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR Shutter Speed: 1/3 s to 1/100,000 s Slow Shutter: Yes Wide Dynamic Range: 120dB Day & Night: IR cut filter Angle Adjustment: Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° Focus: Fixed Lens Type: 2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm</p>				
81	HDMI Over IP Extender TX and RX	<p>Brand: LENKENG Product number: LKV373 V4.0 HDMI Signal: HDM1.3 Compatible with HDC1.4 Support resolution: 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz Network Cable: UTP/STP Cat5/5e/6 Transmission distance: Up to 120 meters transmission distance for 1080p, 60Hz Full HD over single CAT6. CAT5 80m/CAT5E 100m/CAT6 120m Transmission rate: 18Mbps Power supply: DC5V/1A Power adapter: Msia/UK plug Power Consumption: TX: 3.5W, RX: 3W Protection: Lightning Protection, Surge Protection, ESD Protection</p>				