PERKHIDMATAN SEWAAN PERALATAN ICT UNTUK KEGUNAAN MAJLIS BANDARAYA ISKANDAR PUTERI BAGI TEMPOH 36 BULAN

SPESIFIKASI TEKNIKAL

BIL.	BAHAGIAN	MUKA SURAT
A	**KOMPUTER RIBA I7**	2/% P%
B	**KOMPUTER RIBA – (SPESIFIKASI TINGGI)**	3/% P%
C	**MACBOOK PRO**	4/% P%
D	**KOMPUTER I7**	5/% P%
E	**KOMPUTER I5**	6/% P%
F	**TABLET**	7/% P%

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>A</td><td>KOMPUTER RIBA i7</td><td></td><td></td><td></td></tr>
<tr><td>A.1</td><td>Lenovo Legion 5a Gen 11 atau yang setara
<table>
<tr><td>Processor</td><td>AMD Ryzen™ AI 9 465 Processor (2.00 GHz up to 5.00 GHz)</td></tr>
<tr><td>Memory</td><td>32GB</td></tr>
<tr><td>Storage</td><td>1 TB SSD M.2 2242 PCIe Gen4 TLC</td></tr>
<tr><td>Graphic</td><td>NVIDIA® GeForce RTX™ 5060 Laptop GPU 8GB GDDR7</td></tr>
<tr><td>Display</td><td>15.3" WQXGA (2560 x 1600), OLED, Glare, Non-Touch, HDR 1000 True Black, 100%DCI-P3, 500 nits, 165Hz, Low Blue Light</td></tr>
<tr><td>Camera</td><td>5MP RGB+IR with Dual Microphone</td></tr>
<tr><td>OS</td><td>Windows 11 Pro</td></tr>
<tr><td>Audio</td><td>Stereo Speakers (Harman), Nahimic Audio</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi 7 2x2 BE & Bluetooth® 5.4</td></tr>
<tr><td>Keyboard</td><td>24zone RGB Backlit, Eclipse Black - English (US)</td></tr>
<tr><td>Interface</td><td>2 x USB-C® (USB 4 40Gbps) with Power Delivery 3.0 (65W-100W) & DisplayPort 1.4</td></tr>
<tr><td></td><td>3 x USB-A (USB 5Gbps)</td></tr>
<tr><td></td><td>1x HDMI 2.1</td></tr>
<tr><td></td><td>1x Headphone / microphone combo jack</td></tr>
<tr><td></td><td>1x Ethernet (RJ-45)</td></tr>
<tr><td>Accessories</td><td>1x Lenovo 300 Wireless Compact Mouse</td></tr>
<tr><td></td><td>1x Lenovo Legion 16" Backpack</td></tr>
<tr><td>Warranty</td><td>3 Year Onsite Support</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>A.2</td><td>Lenovo IdeaPad Pro 5a Gen 11 atau yang setara
<table>
<tr><td>Processor</td><td>AMD Ryzen™ AI 7 450 Processor</td></tr>
<tr><td>Memory</td><td>32GB</td></tr>
<tr><td>Storage</td><td>1TB M.2 2280 PCIe 4.0x4 NVMe SSD</td></tr>
<tr><td>Graphic</td><td>NVIDIA GeForce RTX 4060</td></tr>
<tr><td>Display</td><td>16" 2.8K (2880 x 1800), OLED, Glare, Non-Touch, HDR 1000 True Black, 100%DCI-P3, 500 nits, 120Hz</td></tr>
<tr><td>Camera</td><td>1080P FHD IR Hybrid with Dual Microphone</td></tr>
<tr><td>OS</td><td>Windows 11 Pro</td></tr>
<tr><td>Audio</td><td>Stereo speakers, 2W x2, Dolby Atmos®</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi 7 2x2 BE & Bluetooth® 5.4</td></tr>
<tr><td>Keyboard</td><td>Backlit, Luna Grey - English (US)</td></tr>
<tr><td>Interface</td><td>2 x USB-C (USB4, 20+Gbps)</td></tr>
<tr><td></td><td>2 x USB-A (USB 10Gbps)</td></tr>
<tr><td></td><td>1x HDMI 2.1</td></tr>
<tr><td></td><td>1x Headphone / microphone combo jack</td></tr>
<tr><td></td><td>1x Card reader</td></tr>
<tr><td>Accessories</td><td>Lenovo Yoga Bluetooth Silent Mouse</td></tr>
<tr><td></td><td>Lenovo 15.6 Laptop Casual Backpack</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>B</td><td>KOMPUTER RIBA – (SPESIFIKASI TINGGI)</td><td></td><td></td><td></td></tr>
<tr><td>B.1</td><td>MSI Stealth A16 AI+ A3XWHG 039 atau yang setara
<table>
<tr><td>Processor</td><td>AMD Ryzen™ AI 9 HX 370 Processor</td></tr>
<tr><td>OS</td><td>Windows 11 Pro</td></tr>
<tr><td>Display</td><td>16" QHD+(2560x1600), 240Hz Refresh Rate, OLED, VESA DisplayHDR™ True Black 600 Certified, 100% DCI-P3(Typical)</td></tr>
<tr><td>Graphic</td><td>NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU</td></tr>
<tr><td>Memory</td><td>32GB, On board LPDDR5x</td></tr>
<tr><td>Storage</td><td>2TB*1 NVMe SSD PCIe Gen4
1x M.2 SSD slot (NVMe PCIe Gen4)</td></tr>
<tr><td>Camera</td><td>IR FHD type (30fps@1080p) with HDR
3D Noise Reduction+ (3DNR+)</td></tr>
<tr><td>Keyboard</td><td>Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi 7
Bluetooth v5.4</td></tr>
<tr><td>Audio</td><td>2x 2W Audio Speaker
4x 2W Audio Woofer
Sound by Dynaudio, Nahimic 3 Audio Enhancer, Hi-Res Audio Ready
Array Microphone</td></tr>
<tr><td>Audio Jack</td><td>1x Mic-in/Headphone-out Combo Jack</td></tr>
<tr><td>I/O Ports</td><td>2x Type-A USB3.2 Gen2
1x Type-C (USB4® / DisplayPort™/ Power Delivery 3.0/ Thunderbolt™ 4 compatible)</td></tr>
<tr><td>Video Port</td><td>1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)</td></tr>
<tr><td>Sensor</td><td>1x Fingerprint</td></tr>
<tr><td>Accessories</td><td>MSI Stealth Agent Backpack, Wireless Mouse</td></tr>
<tr><td>Colour</td><td>Core Black</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>C</td><td>MACBOOK PRO</td><td></td><td></td><td></td></tr>
<tr><td>C.1</td><td>16-inch MacBook Pro with M5 Pro chip atau yang setara
<table>
<tr><td>OS</td><td>MacOS</td></tr>
<tr><td>Model</td><td>16-Inch Macbook Pro</td></tr>
<tr><td>Processor</td><td>Apple M4 Max chip with 14?core CPU, 32?core GPU and 16?core Neural Engine</td></tr>
<tr><td>Display</td><td>16-inch Liquid Retina XDR display</td></tr>
<tr><td>Memory</td><td>36GB unified memory</td></tr>
<tr><td>Storage</td><td>1TB SSD storage</td></tr>
<tr><td>Camera</td><td>12MP Center Stage camera with support for Desk View
1080p HD video recording</td></tr>
<tr><td>Keyboard</td><td>Backlit Magic Keyboard with Touch ID - US English</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi
Wi-Fi 6E (802.11ax)
Bluetooth
Bluetooth 5.3</td></tr>
<tr><td>Audio</td><td>High-fidelity six-speaker sound system with force-cancelling woofers
Wide stereo sound</td></tr>
<tr><td>Audio Jack</td><td>3.5mm headphone jack with advanced support for high-impedance headphones</td></tr>
<tr><td>I/O Ports</td><td>3x Thunderbolt 5 ports,
1x HDMI port,
1x SDXC card slot,
1x Headphone jack,
1x MagSafe 3 port</td></tr>
<tr><td>Video Port</td><td>1x HDMI port</td></tr>
<tr><td>Battery</td><td>100-watt-hour lithium-polymer battery</td></tr>
<tr><td>AC Adapter</td><td>140W USB-C Power Adapter</td></tr>
<tr><td>Accessories</td><td>USB-C to MagSafe 3 Cable (2m)
Polishing cloth</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>D</td><td>KOMPUTER I7</td><td></td><td></td><td></td></tr>
<tr><td>D.1</td><td>ThinkCentre M75q Gen 5 (Ryzen 7) atau yang setara
<table>
<tr><td>Processor</td><td>AMD Ryzen™ 7 PRO 8700GE Processor</td></tr>
<tr><td>Memory</td><td>32GB</td></tr>
<tr><td>Storage</td><td>512 GB SSD M.2 2280 PCIe Gen4 Performance TLC Opal</td></tr>
<tr><td>Second Storage</td><td>512 GB SSD M.2 2280 PCIe Gen4 TLC Opal</td></tr>
<tr><td>Graphic</td><td>Integrated Graphics</td></tr>
<tr><td>OS</td><td>Windows 11 Pro</td></tr>
<tr><td>Audio</td><td>Integrated high-definition</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi 6E RZ616 2x2 AX & Bluetooth® 5.3</td></tr>
<tr><td></td><td>1x RJ45 Gigabit Ethernet</td></tr>
<tr><td>Interface</td><td>1x HDMI 1.4</td></tr>
<tr><td>(Rear)</td><td>1x VGA Port</td></tr>
<tr><td></td><td>1x Displayport 1.4</td></tr>
<tr><td></td><td>1x 7.1 channel audio (3 ports)</td></tr>
<tr><td></td><td>3x USB 2.0 Type-A</td></tr>
<tr><td></td><td>2x USB 3.2 Gen 1 Type-A</td></tr>
<tr><td></td><td>1x Headphone</td></tr>
<tr><td>(Front)</td><td>1x 3.5 mm combo audio jack</td></tr>
<tr><td></td><td>2x USB 2.0 Type-A</td></tr>
<tr><td></td><td>2x USB 3.2 Gen 2 Type-A</td></tr>
<tr><td></td><td>1x USB 3.2 Gen 2*2 Type-C</td></tr>
<tr><td></td><td>1x 2 in 1 card reader SD / MMC</td></tr>
<tr><td>Keyboard & Mouse</td><td>Lenovo Essential Wireless Combo Keyboard & Mouse Gen2 Black-US_English</td></tr>
<tr><td>Monitor</td><td>ThinkVision T27- 40 27" Monitor</td></tr>
<tr><td></td><td>Panel Size (inch) : 27</td></tr>
<tr><td></td><td>Backlight Type : LED</td></tr>
<tr><td></td><td>Panel Type : IPS</td></tr>
<tr><td></td><td>Contrast Ratio : 1500:1</td></tr>
<tr><td></td><td>Response Time : 4 ms (Extreme Mode)</td></tr>
<tr><td></td><td>Refresh Rate (Max) : 120Hz</td></tr>
<tr><td></td><td>Port : 1 x VGA, 1 x HDMI 1.4, 1 x DP 1.2, 1 x USB-B, 3 x USB-A, 1 x USB-C</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>D.2</td><td>Apple iMac atau yang setara
<table>
<tr><th>ITEM</th><th>MINIMUM SPECIFICATION</th></tr>
<tr><td>Model</td><td>Apple iMac (M4, 24-inch)</td></tr>
<tr><td>Processor (CPU)</td><td>Apple M4 Chip with 10-core CPU</td></tr>
<tr><td>Graphics (GPU)</td><td>Integrated 10-core GPU</td></tr>
<tr><td>Neural Engine</td><td>16-core Neural Engine for AI and machine learning processing</td></tr>
<tr><td>Memory</td><td>24GB Unified Memory</td></tr>
<tr><td>Storage</td><td>514GB SSD (high-speed NVMe-based storage)</td></tr>
<tr><td>Display</td><td>24-inch 4.5K Retina Display (approx. 4480 × 2520 resolution), P3 wide color gamut, True Tone technology</td></tr>
<tr><td>Glass Type</td><td>Standard glass</td></tr>
<tr><td>Camera</td><td>12MP Center Stage camera with auto framing</td></tr>
<tr><td>Audio System</td><td>High-fidelity six-speaker system with Spatial Audio support</td></tr>
<tr><td>Microphone</td><td>Studio-quality three-microphone array</td></tr>
<tr><td>Ports</td><td>4 × Thunderbolt 4 (USB-C), 1 × 3.5mm headphone jack</td></tr>
<tr><td>Networking</td><td>Gigabit Ethernet (via power adapter)</td></tr>
<tr><td>Wireless Connectivity</td><td>Wi-Fi 6E, Bluetooth 5.3</td></tr>
<tr><td>External Display Support</td><td>Supports up to two external displays</td></tr>
<tr><td>Input Devices</td><td>Magic Mouse (Silver)</td></tr>
<tr><td>Keyboard</td><td>Magic Keyboard with Touch ID (US English, Silver)</td></tr>
<tr><td>Design</td><td>All-in-one desktop with aluminium enclosure (Silver finish)</td></tr>
<tr><td>Operating System</td><td>macOS</td></tr>
<tr><td>Stand</td><td>Adjustable tilt stand</td></tr>
<tr><td>Security</td><td>Secure Enclave, Touch ID authentication</td></tr>
<tr><td>Included Accessories</td><td>Power adapter with Ethernet, USB-C charging cable</td></tr>
<tr><td>Warranty</td><td>AppleCare+ extended warranty coverage</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>

BIL.	SPESIFIKASI	YA	TIDAK	CATATAN
E	**KOMPUTER I5**			
E.1	**ThinkCentre M75q Gen 5 (Ryzen 5) atau yang setara**			

Processor	AMD Ryzen™ 5 8600GE Processor
Memory	32GB
Storage	512 GB SSD M.2 2280 PCIe Gen4 Performance TLC Opal
Graphic	Integrated Graphics
OS	Windows 11 Pro
Audio	Integrated high-definition
Connectivity	Wi-Fi 6E RZ616 2x2 AX & Bluetooth® 5.3
Interface	1x RJ45 Gigabit Ethernet
(Rear)	1x HDMI 1.4
	1x VGA Port
	1x Displayport 1.4
	1x 7.1 channel audio (3 ports)
	3x USB 2.0 Type-A
	2x USB 3.2 Gen 1 Type-A
	1x Headphone
(Front)	1x 3.5 mm combo audio jack
	2x USB 2.0 Type-A
	2x USB 3.2 Gen 2 Type-A
	1x USB 3.2 Gen 2*2 Type-C
	1x 2 in 1 card reader SD / MMC
Keyboard & Mouse	Lenovo Essential Wireless Combo Keyboard & Mouse Gen2 Black-US_English
Monitor	ThinkVision T27- 40 27" Monitor
	Panel Size (inch) : 27
	Backlight Type : LED
	Panel Type : IPS
	Response Time : 4 ms (Extreme Mode)
	Refresh Rate (Max) : 120Hz
	Port : 1 x VGA, 1 x HDMI 1.4, 1 x DP 1.2, 1 x USB-B, 3 x USB-A, 1 x USB-C

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>F</td><td>TABLET</td><td></td><td></td><td></td></tr>
<tr><td>F.1</td><td>iPad Pro 13-inch atau yang setara
<table>
<tr><td>Storage Capacity</td><td>256GB</td></tr>
<tr><td>Processor</td><td>Apple M5 Chip</td></tr>
<tr><td>Neural Engine</td><td>16-core Neural Engine</td></tr>
<tr><td>OS</td><td>iPadOS</td></tr>
<tr><td>RAM</td><td>12GB</td></tr>
<tr><td>Connectivity</td><td>WiFi 7 + Bluetooth 6</td></tr>
<tr><td>Display</td><td>13-inch Ultra Retina XDR</td></tr>
<tr><td>Camera</td><td>12MP Wide Camera , 12MP Ultra Wide</td></tr>
<tr><td>Sensors</td><td>LiDAR Scanner, Gyroscope, Accelerometer, Barometer ([Apple][2])</td></tr>
<tr><td>Included</td><td>Apple Pencil Pro | Screen Protector</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>F.2</td><td>Apple iPad Air 13-inch atau yang setara
<table>
<tr><td>Storage Capacity</td><td>1TB</td></tr>
<tr><td>Connectivity</td><td>WiFi + Cellular (5G supported)</td></tr>
<tr><td>Processor</td><td>Apple M4 Chip (8-core CPU, 9-core GPU, 16-core Neural Engine)</td></tr>
<tr><td>Operating System</td><td>iPadOS</td></tr>
<tr><td>Display</td><td>13-inch Liquid Retina Display</td></tr>
<tr><td>Rear Camera</td><td>12MP Wide Camera, ƒ/1.8 aperture</td></tr>
<tr><td>Front Camera</td><td>12MP Ultra Wide</td></tr>
<tr><td>Battery Life</td><td>Up to 10 hours usage</td></tr>
<tr><td>Security</td><td>Touch ID</td></tr>
<tr><td>Included</td><td>Apple Pencil Pro | Magic Keyboard for Ipad Air (13") | Screen Protector</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>F.3</td><td>Xiaomi Pad 8 Pro atau yang setara
<table>
<tr><td>Display</td><td>11.2-inch 3.2K IPS LCD</td></tr>
<tr><td>Resolution</td><td>3200 × 2136 pixels</td></tr>
<tr><td>Processor</td><td>Snapdragon 8 Elite (3nm)</td></tr>
<tr><td>RAM</td><td>12GB LPDDR5X</td></tr>
<tr><td>Storage</td><td>512GB UFS 4.1</td></tr>
<tr><td>Operating System</td><td>Android 16 with HyperOS 3</td></tr>
<tr><td>Camera</td><td>50MP with PDAF Rear , 32MP ultra-wide Front</td></tr>
<tr><td>Connectivity</td><td>Wi-Fi 7, Bluetooth 6.0</td></tr>
<tr><td>Battery</td><td>9,200mAh</td></tr>
<tr><td>Included</td><td>Pen Pro | Keyboard | Screen Protector</td></tr>
<tr><td>Storage Capacity</td><td>1TB</td></tr>
<tr><td>Connectivity</td><td>WiFi + Cellular (5G supported)</td></tr>
<tr><td>Processor</td><td>Apple M4 Chip (8-core CPU, 9-core GPU, 16-core Neural Engine)</td></tr>
<tr><td>Operating System</td><td>iPadOS</td></tr>
<tr><td>Display</td><td>13-inch Liquid Retina Display</td></tr>
<tr><td>Rear Camera</td><td>12MP Wide Camera, ƒ/1.8 aperture</td></tr>
<tr><td>Front Camera</td><td>12MP Ultra Wide</td></tr>
<tr><td>Battery Life</td><td>Up to 10 hours usage</td></tr>
<tr><td>Security</td><td>Touch ID</td></tr>
<tr><td>Included</td><td>Apple Pencil Pro | Magic Keyboard for Ipad Air (13") | Screen Protector</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>