Nomor : Un.03/KS.01.7/2224/2016 13 Juni 2016

Lampiran : 1 lampiran

Hal : **PERMOHONAN INFORMASI HARGA**

Kepada Yang Terhormat

Penyedia Barang / Jasa

di

 Tempat

*Assalamualaikum. Wr. Wb.*

Dalam rangka meningkatkan kualitas layanan BLU UIN Maulana Malik Ibrahim Malang, maka kami akan melakukan pengadaan **Belanja Modal Peralatan dan Mesin (Akses Point, Router, Switch, dan Perangkat Pendukungnya),** berikut kami lampirkan spesifikasi teknisnya. bersama ini kami bermaksud agar perusahaan saudara memberikan informasi tentang harga barang sesuai dengan Rencana Anggaran Biaya (RAB) yang kami lampirkan dalam surat ini. Informasi harga yang anda berikan akan kami gunakan untuk membuat HPS lelang.

Kami harap informasi harga barang tersebut, dapat kami terima paling lambat pada :

Hari : Jumat

Tanggal : 17 Juni 2016

Jam : 14.00 wib

Tempat : Unit Layanan Pengadaan

Lantai II Gedung Rektorat UIN Maulana Malik Ibrahim Malang Jl. Gajayana No. 50 Malang (0341) 570886

Adapun informasi harga tersebut bisa dikirim ke kantor ULP UIN Maulana Malik Ibrahim Malang, atau di fax di no (0341) 570886 dan atau dikirim via e-mail ke : **ulp@uin-malang.ac.id** atau **ulp\_uinmalang@kemenag.go.id**.

Demikian atas perhatian dan kerjasamanya yang baik, kami sampaikan terima kasih.

*Wassalamualaikum. Wr. Wb.*

|  |  |
| --- | --- |
|  | Pejabat Pembuat Komitmen Dr. H. Sugeng Listyo Prabowo, M.PdNIP. 196905262000031003 |

**Lampiran 1 :** Un.03/KS.01.7/2224/2016

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Nama Barang** | **Spesifikasi** | **Jumlah** | **Harga Satuan (Rp)** | **Jumlah (Rp)** |
| 1 | Akses Point indoor/ outdoor dual band (speed 2,4Ghz/5Ghz: 450 Mbps/ 1300Mbps) |

|  |  |
| --- | --- |
| Environtment | Indoor/Outdoor |
| Simultaneous Dual-band | ✓ |
| 2.4 Ghz Speed | 450 Mbps |
| 2.4 Ghz MIMO | 3x3 |
| 5 Ghz Speed | 1300 Mbps |
| 5 Ghz MIMO | 3x3 |
| Range | 122 m (400 ft) |
| Secondary Eth Port | ✓ |
| LoudSpeaker | - |
| POE Mode | 802.3af PoE802.3at PoE+ |
| Instant Upgrade | Yes (same mount as standard UAP) |
| Wireless Uplink | ✓ |
| Ceiling Mount | ✓ |
| Wall Mount | ✓ |
| Pole Mount | - |
| Dimensi | 19.6cm x 3.5cm |
| Berat | 450gr |
| Network speed | 10/100/1000 |
| Wifi Std | 802.11 a/b/g/n/ac |
| Power Supply | 48V, 0.5A PoE Gigabit Adapter\* |
| Max Power | 9W |
| Antenna | (3) Dual‑Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi |
| Max TX Power each | 22dBm |
| BSSID | max 4 Per Radio |
| Power Saver | Support |
| Wifi Security | WPA/WPA2, TKIP/AES) |
| VLAN | 802.1Q |
| Advanced QoS | Per‑User Rate Limiting |
| Guest Traffi Isolation  | Supported |
| Concurrent Clients | 200+ |
| Garansi | Minimal 1 tahun resmi distributor Indonesia (bukan toko) |
| Standart produk | Minimal Sama/setara dengan Ubiquiti Unifi AP AC Pro |

 | 12 unit |   |  |
| 2 | Akses Point indoor 400ft dual band (speed 2,4Ghz/5Ghz: 300 Mbps/ 867Mbps) |

|  |  |
| --- | --- |
| Environtment | Indoor |
| Simultaneous Dual-band | ✓ |
| 2.4 Ghz Speed | 300 Mbps |
| 2.4 Ghz MIMO | 2x2 |
| 5 Ghz Speed | 867 Mbps |
| 5 Ghz MIMO | 2x2 |
| Range | 122 m (400 ft) |
| Secondary Eth Port | - |
| LoudSpeaker | - |
| POE Mode | 24V Passive PoE |
| Instant Upgrade | No |
| Wireless Uplink | ✓ |
| Ceiling Mount | ✓ |
| Wall Mount | ✓ |
| Pole Mount | - |
| Dimensi | Diameter 16cm x 3cm |
| Berat | 185gr |
| Network speed | 10/100/1000 |
| Wifi Std | 802.11 a/b/g/n/ac |
| Power Supply | 24V, 0.5A Gigabit PoE Adapter\* |
| Max Power | 6.5W |
| Antenna | Dual‑Band Antennas, 3 dBi Each |
| Max TX Power each | 20 dBm |
| BSSID | max 4 Per Radio |
| Power Saver | Support |
| Wifi Security | WPA/WPA2, TKIP/AES) |
| VLAN | 802.1Q |
| Advanced QoS | Per‑User Rate Limiting |
| Guest Traffi Isolation  | Supported |
| Concurrent Clients | 200+ |
| Garansi | Minimal 1 tahun resmi distributor Indonesia (bukan toko) |
| Standart produk | Minimal Sama/setara dengan Ubiquiti Unifi AP AC LITE |

 | 154 unit |  |  |
| 3 | Akses Point indoor 600ft dual band (speed 2,4Ghz/5Ghz: 300 Mbps/ 867Mbps) |

|  |  |
| --- | --- |
| Environtment | Indoor |
| Simultaneous Dual-band | ✓ |
| 2.4 Ghz Speed | 450 Mbps |
| 2.4 Ghz MIMO | 3x3 |
| 5 Ghz Speed | 867 Mbps |
| 5 Ghz MIMO | 2x2 |
| Range | 183 m (600 ft) |
| Secondary Eth Port | - |
| LoudSpeaker | - |
| POE Mode | 24V Passive PoE |
| Instant Upgrade | No |
| Wireless Uplink | ✓ |
| Ceiling Mount | ✓ |
| Wall Mount | ✓ |
| Pole Mount | - |
| Dimensi | 17.5cmx17.5cmx4.3cm |
| Berat | 315gr |
| Network speed | 10/100/1000 |
| Wifi Std | 802.11 a/b/g/n/ac |
| Power Supply | 24V, 0.5A Gigabit PoE Adapter\* |
| Max Power | 6.5W |
| Antenna | Dual‑Band Antenna, Tri‑Polarity, 2.4 GHz: 3 dBi, 5 GHz: 6 dBi |
| Max TX Power each | 24dBM, 22dBm |
| BSSID | max 4 Per Radio |
| Power Saver | Support |
| Wifi Security | WPA/WPA2, TKIP/AES) |
| VLAN | 802.1Q |
| Advanced QoS | Per‑User Rate Limiting |
| Guest Traffi Isolation  | Supported |
| Concurrent Clients | 200+ |
| Garansi | Minimal 1 tahun resmi distributor Indonesia (bukan toko) |
| Standart produk | Minimal Sama/setara dengan Ubiquiti Unifi AP AC LR |

 | 2 unit |  |  |
| 4 | Akses Point indoor 400ft dual band (speed 2,4Ghz/5Ghz: 450 Mbps/ 1300 Mbps) + speaker |

|  |  |
| --- | --- |
| Environtment | Indoor |
| Simultaneous Dual-band | ✓ |
| 2.4 Ghz Speed | 450 Mbps |
| 2.4 Ghz MIMO | 3x3 |
| 5 Ghz Speed | 1300 Mbps |
| 5 Ghz MIMO | 3x3 |
| Range | 122 m (400 ft) |
| Secondary Eth Port | ✓ |
| LoudSpeaker | ✓ |
| POE Mode | 802.3at PoE+ |
| Instant Upgrade | No |
| Wireless Uplink | ✓ |
| Ceiling Mount | ✓ |
| Wall Mount | ✓ |
| Pole Mount | - |
| Dimensi | 28.75cm x 5cm |
| Berat | 1.82kg |
| Network speed | 10/100/1000 |
| Wifi Std | 802.11 a/b/g/n/ac |
| Power Supply | 48V, 0.5A PoE Gigabit Adapter\* |
| Max Power | 20W |
| Antenna | (3) Dual‑Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi |
| Max TX Power each | 22dBm |
| BSSID | max 4 Per Radio |
| Power Saver | Support |
| Wifi Security | WPA/WPA2, TKIP/AES) |
| VLAN | 802.1Q |
| Advanced QoS | Per‑User Rate Limiting |
| Guest Traffi Isolation  | Supported |
| Concurrent Clients | 200+ |
| Garansi | Minimal 1 tahun resmi distributor Indonesia (bukan toko) |
| Standart produk | Minimal Sama/setara dengan Ubiquiti Unifi AP AC EDU |

 | 20 unit |  |  |
| 5 | [Router Switch](http://mikrotik.co.id/produk.php?kategori=49) 24 port + 1 port SFP |

|  |  |
| --- | --- |
| Architecture | MIPS-BE |
| CPU | AR9344 600MHz |
| Current Monitor | No |
| Main Storage/NAND | 128MB |
| RAM | 128MB |
| SFP Ports | 1 port |
| LAN Ports | 24 port Gigabit eth |
| Gigabit | Yes |
| Switch Chip | 3 |
| MiniPCI | 0 |
| Integrated Wireless | No |
| MiniPCIe | 0 |
| SIM Card Slots | No |
| USB | 1 (microUSB) |
| Power on USB | Yes |
| Memory Cards | No |
| Power Jack | No |
| 802.3af Support | No |
| POE Input | Yes |
| POE Output | No |
| Serial Port | Yes |
| Voltage Monitor | Yes |
| Temperature Sensor | Yes |
| Dimentions | 443x142x44mm |
| Operating System | RouterOS |
| Temperature Range | -30C .. +70C |
| RouterOS License | Level5 |
| Garansi | Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) |
| Standart produk | Minimal Sama/setara dengan RouterBoard CRS125-24G-1S-RM |

 | 19 unit |  |  |
| 6 | Switch 24 Port with POE |

|  |  |
| --- | --- |
| Gigabit RJ45 Ports | 24 |
| SFP Ports | 2 |
| Serial Console Port (Reserved for Future Use) | 1 |
| Non-Blocking Throughput | 26 Gbps |
| Switching Capacity | 52 Gbps |
| Forwarding Rate | 38.69 Mpps |
| Maximum Power Consumption | 250W |
| Supports POE+ IEEE 802.3at/af and 24V Passive PoE | ✓ |
| Rack-Mountable | ✓ |
| **hardware specification** |
| Weight | 4.7 kg (10.4 lb) |
| Max. Power Consumption | Including PoE Output | Excluding PoE Output |
| 250W | 30W |
| Power Supply | AC/DC, Internal, 250W DC |
| Dimensions | 485 x 43.7 x 285.4 mm (19.09 x 1.72 x 11.24") |
| Total Non-Blocking Throughput | 26 Gbps |
| Switching Capacity | 52 Gbps |
| Forwarding Rate | 38.69 Mpps |
| Power Method | 100-240VAC/50-60 Hz, Universal Input |
| LEDs Per Port | RJ45 Data Ports |
| PoE, Speed/Link/Activity |
| Networking Interfaces | (24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports |
| Management Interface | (1) RJ45 Serial Port Out-of-Band (Reserved for Future Use), Ethernet In-Band |
| Certifications | CE, FCC, IC |
| Rack Mount | Yes, 1U High |
| ESD/EMP Protection | Air: ± 24 kV, Contact: ± 24 kV |
| Operating Temperature | -5 to 40° C (23 to 104° F) |
| Operating Humidity | 5 to 95% Noncondensing |
| Shock and Vibration | ETSI300-019-1.4 Standard |
|  |  |  |
|  | PoE Per Port |
| PoE Interfaces | POE+ IEEE 802.3af/at (Pins 1,2+; 3, 6-) 24VDC Passive PoE(Pins4,5+;7,8-) |
| Max. PoE+ Wattage per Port by PSE | 34.2W |
| Voltage Range 802.3at Mode | 50-57V |
| Max. Passive PoE Wattage per Port | 17W |
| 24V Passive PoE Voltage Range | 20-27V |
| Garansi | Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) |
| Standart produk | Minimal Sama/setara dengan unifi-switch-us-24-250w |

 | 19 unit |  |  |
| 7 | Switch 8 Port with POE |

|  |
| --- |
| specification |
| Dimensions | 210 x 185 x 41 mm |
| Weight | 1.24 kg |
| Power Input | 110-120VAC / 210-230VAC |
| Max. Power Consumption | 150 W |
| PoE Out Voltage Range | 45-48VDC / 22-24VDC |
| Max. PoE Wattage Per Data Port | 11.5 W (24 V), 23 W (48V) |
| ESD Rating | 24 kV Air / 24 kV Contact |
| PoE Method | Passive |
| Button | Reset |
| USB Port | 2.0 Type A (Reserved for Future Use) |
| Processor | MIPS 24K, 400 MHz |
| System Memory | 64 MB |
| Code Storage | 8 MB |
| Certifications | CE, FCC, IC |
| Operating Temperature | -25 to 55°C (-13 to 131° F) |
| Operating Humidity | 90% Non-Condensing |
| PoE Configurable Per Port |
| Management Port | N/A |
| Data Ports | Off/24V/48V |
| LEDs Per Port |
| Management Port | Power/Link/Activity |
| Data Ports | PoE, Speed/Link/Activity |
| Networking Interfaces |
| Management Port | (1) 10/100 Ethernet Port |
| Data Ports | (8) 10/100/1000 Ethernet Ports |
| Features: |
| Gigabit PoE Port | 8 Ports |
| Configurable Passive PoE | 24V/48V  |
| Power | 150 W |
| TOUGHSwitch PoE Configuration Interface | ✓ |
| Casing | Full Metal and Rubber |
| Garansi | Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) |
| Standart produk | Sama/setara dengan Ubiquiti Toughswitch 8 Port Poe – Pro |

 | 2 unit |  |  |
| 8 | Meteran Laser Digital 50 m  |

|  |  |
| --- | --- |
| Laser diode | 635 nm, < 1 mW |
| Measurement range | 0,05 – 50 m |
| Laser class | 2 |
| Measurement accuracy, typical | ± 1.5 mm |
| Measurement time, typical | < 0.5 s |
| Measurement time, max. | 4 s |
| Power supply | 2 x 1.5 V LR03 (AAA) |
| Automatic deactivation | 5 min. |
| Weight, approx. | 0,14 kg |
| Length | 115 mm |
| Width | 53 mm |
| Height | 32 mm |
| Units of measurement | m/cm/mm |
| Garansi | Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) |
| Standart produk | Sama/setara dengan Bosch GLM50 |

 | 1 unit |  |  |
| 9 | Double Telescopic Ladder (Tangga Teleskopic Double) 3,2m | Material : Aluminum Alloy 6063Thickness : 1,3 – 1,5 mmSpace of rungs : 30cmMaximum load: 150 kgTinggi tangga : 3,2m + 3,2m **Bersertifikasi** European Union Safety Standard, EN-131Garansi : Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) | 2 unit |  |  |
| 10 | Bor listrik  |

|  |  |
| --- | --- |
| **Tinjauan spesifikasi** |  |
| Input daya terukur | 600 W |
| Kecepatan tanpa beban | 0 - 2600 rpm |
| Output daya | 360 W |
| berat termasuk baterai | 1,7 kg |
| Torsi (soft screwdriving) | 0,0 / 1676,0 Nm |
| Torsi terukur | 20,0 Nm |
| Koneksi chuck | 1/2"-20 UNF |
| Chuck | 1,5 - 13 mm |
| **Jangkauan pengeboran** |  |
| Dia. pengeboran pada aluminium | 13 mm |
| Dia. pengeboran pada kayu | 30 mm |
| Dia. pengeboran pada besi | 13 mm |
| Dia. pengeboran pada tembok | 13 mm |
| Kelengkapan | Kunci cekam 13mm |
| Fungsi Putaran kiri/kanan Untuk memasang dan melepaskan sekrup. | ✓ |
| Garansi | Minimal 1 tahun distributor resmi Indonesia (bukan garansi toko) |
| Standart produk | Minimal Sama/ setara dengan Bosch GBM 13 RE Professional |

 | 1 unit |  |  |
| Jumlah |  |  |
| PPN 10 % |  |  |
| Total + Pajak |  |  |

NB:

* Harga Sudah termasuk Pajak

Pejabat Pembuat Komitmen

Dr. H. Sugeng Listyo Prabowo, M.Pd

NIP. 196905262000031003