BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	**SPESIFIKA PENYEBUT**
KOMPUTER PERIBADI			
A	**Komputer Peribadi (PC) – 50 UNIT**		
	• Make/Model	Sila nyatakan..	
	▪ Processor	Intel Core i5 10500 3.1GHz 6C 65W CPU	
	▪ Chipset	Intel® Q470	
	▪ Operating system	Windows 10 Pro 64 bit	
	▪ Memory	8GB (1x8GB) DDR4 2666 DIMM Memory	
	• Disk capacity	a) Internal M.2 Storage 256GB M.2 2280 PCIe NVMe Solid State Drive	
		b) Internal Storage 500GB 7200RPM 3.5in	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Expansion Slot	1 M.2 2280; 1 PCIe 3 x16; 2 PCIe 3 x1; 1 SD 4.0 media card reader (1 M.2 2280 slot for storage.)	
	▪ Form factor	Microtower	
	▪ Optical Drive	9.5 mm Slim DVD-Writer; 9.5 mm Slim DVD-ROM; 9.5 mm Slim Blu-ray writer	
	▪ Network Interface	LAN: Intel® I210-T1 PCIe® GbE; Intel® I219LM GbE ; WLAN: Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® M.2 PCIe®, vPro™; Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® M.2 PCIe®, non-vPro™; Realtek RTL8822CE-CG 802.11b/g/n/ac (2x2) and Bluetooth® M.2 PCIe®; Realtek RTL8821CE-CG 802.11b/g/n/ac (1x1) and Bluetooth® M.2 PCIe®	
	▪ Sound Adapter	Realtek ALC3205 codec, 2 W internal speaker, universal audio jack, combo microphone/headphone jack	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	▪ System Integrated Graphics	Integrated: Intel® UHD Graphics 630; Intel® UHD Graphics 610	
	▪ Display / Monitor	21.5" above and FHD Monitor	
	▪ Mouse	Wireless Mouse	
	▪ Keyboard	Wireless Keyboard	
	▪ Power Supply	260 W internal power adapter, up to 92% efficiency, active PFC; 180 W internal power adapter, up to 90% efficiency, active PFC; 350 W internal power adapter, up to 92% efficiency, active PFC	
	▪ Drive Bays	One 3.5" HDD; One 3.5" (2.5") HDD	
	▪ Warranty	3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and include free telephone support 24 x 7. (Tempoh waranti selama tiga (3) tahun)	
	▪ Others	Sila nyatakan.. (jika ada)	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
B	**KOMPUTER RIBA – 12 UNIT**		
	• Make/Model	Sila nyatakan..	
	▪ Processor	Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)	
	▪ Operating system	Windows 10 Pro 64 bit	
	▪ Memory	16GB (1x16GB) DDR4 3200	
	• Disk capacity	512GB PCIe NVMe Value Solid State Drive M2 Slot storage	
	• Expansion Slot	1 microSD (Supports SD, SDHC, SDXC.)	
	▪ Optical Drive	9.5 mm Slim DVD-Writer; 9.5 mm Slim DVD-ROM; 9.5 mm Slim Blu-ray writer	
	▪ Camera	Integrated HD 720p	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	▪ Network Interface	LAN: Intel® I210-T1 PCIe® GbE ; WLAN: Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® M.2 PCIe®, vPro™;	
	▪ Sound Adapter	Dual stereo speakers, dual array microphone	
	▪ System Integrated Graphics	Integrated: Intel® UHD Graphics Discrete:	
	▪ Display / Monitor	14 inch above and FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent	
	▪ Ports	2 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 headphone/microphone combo; 1 HDMI 1.4b; 1 AC power (HDMI cable sold separately.)	
	▪ Mouse	Wireless Mouse	
	▪ Keyboard	Clickpad Backlit spill-resistant A/P	
	▪ Battery	3 Cell 45 WHr Long Life	
	▪ Communication	Intel Wi-Fi 6 AX201 ax 2x2 MU-MIMO nvP 160MHz +Bluetooth 5 WW with 2 Antennas	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	▪ Drive Bays	USB External DVDRW Drive	
	▪ Energy Efficiency Compliance	Electronic Energy Star labeling (EStar)	
	▪ Warranty	3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and include free telephone support 24 x 7. (Tempoh waranti selama tiga (3) tahun)	
	▪ Others	- Beg chase	
	▪ Others	Sila nyatakan.. (jika ada)	
B	**PENCETAK WARNA – 15 UNIT**		
	• Make/Model	Sila nyatakan..	
	• Processor speed	Speed 1200 MHz	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Duplex print options	Automatic (default)	
	• Print Speed	Black (A4, normal): Up to 27 ppm; Black (letter, normal): Up to 28 ppm; Black (A4, duplex): Up to 24 ipm; Black (letter, duplex): Up to 25 ipm Color (A4, normal): Up to 27 ppm; Color (letter, normal): Up to 28 ppm; Color (A4, duplex): Up to 24 ipm; Color (letter, duplex): Up to 25 ipm	
	• Print Technology	Laser	
	• Print Resolution	Black (best) 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; Black (normal) 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi	
	• Standard print languages	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, PWG Raster	
	• Printer management	HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
		Deployment Utility - Managed Printing Administrator)	
	• Standard connectivity	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)	
	• Network capabilities	Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1x	
	• Memory	Standard: 256 MB NAND Flash, 512 MB DRAM; Maximum: 256 MB NAND Flash, 512 MB DRAM	
	• Input Output	• Input :50-sheet multipurpose tray, 250-sheet input tray • Output :150-sheet output bin	
	• Media Types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes	
	• Compatible operating systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
		High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver	
	• Security management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager	
	• Energy efficiency compliance	ENERGY STAR® qualified; EPEAT® Silver; CECP	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Warranty	3 Year Onsite Warranty	
	▪ Others	Sila nyatakan.. (jika ada)	
B	**PENCETAK B/W – 5 UNIT**		
	• Make/Model	Sila nyatakan..	
	• Processor speed	Speed 1200 MHz	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Duplex print options	Automatic (default)	
	• Print Speed	Black (A4, normal): Up to 38 ppm (default) ; Up to 40 ppm (HP High Speed); Black (letter, normal): Up to 40 ppm (default) ; Up to 42 ppm (HP High Speed); Black (A4, duplex): Up to 31 ipm; Black (letter, duplex): Up to 33 ipm	
	• Print Technology	Laser	
	• First Page Out	Black (A4, ready): As fast as 6.3 sec; Black (A4, sleep): As fast as 8.8 sec	
	• Print Resolution	Black (best) Fine Lines (1200 x 1200 dpi); Black (normal) Normal (Native: 600 x 600 dpi, enhanced up to 4800 x 600 dpi); Black (fine lines) Fine Lines (1200 x 1200 dpi)	
	• Standard print languages	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, PWG Raster	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Printer management	HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	
	• Standard connectivity	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)	
	• Network capabilities	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X	
	• Memory	Standard: 256 MB; Maximum: 256 MB	
	• Input Output	• 100-sheet multipurpose Tray 1, 250-sheet input Tray 2 • 150-sheet output bin	
	• Media Types	Paper (plain, EcoFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Compatible operating systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver	
	• Security management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager	

BIL	NAMA PERALATAN	SPESIFIKASI YANG DIPERLUKAN	TAWARAN DARI PE
		SPESIFIKASI MINIMUM	SPESIFIKA PENYEBUT
	• Energy efficiency compliance	ENERGY STAR® qualified; EPEAT® Silver; CECP	
	• Warranty	3 Year Onsite Warranty	
	▪ Others	Sila nyatakan.. (jika ada)	