

BERITA ACARA PENERIMAAN/PEMERIKSAAN HASIL PEKERJAAN

Nomor : 12.8.3 /UN32.7.2/PL/2024

Pada hari ini Senin tanggal Dua belas bulan Agustus tahun dua ribu dua puluh empat, kami yang bertanda tangan dibawah ini :

Pengendali Kualitas

No.	Nama	Jabatan Pengendali Kualitas
1.	Arif Amanu Billah, S.Kom	Ketua
2.	Prawinda Putri Anzari, S.I.Kom., M.Si.	Sekretaris
3.	Rista Ayu Mawarti, S.Pd, M.Pd	Anggota

Bertindak Selaku Pengendali Kualitas sebagai Wakil Pejabat Pembuat Komitmen telah mengadakan penerimaan/pemeriksaan hasil pekerjaan sebagai berikut:

Nama Pekerjaan : Pekerjaan Pengadaan Peralatan Laboratorium Fakultas Ilmu Sosial Program Revitalisasi Perguruan Tinggi Negeri Universitas Negeri Malang Tahun Anggaran 2024

Surat Perjanjian/Kontrak Nomor : 12.6.1/UN32.7.2/PL/2024
Tanggal : 12 Juni 2024
addendum kontrak Nomor : 3.7.13/UN32.7.2/PL/2024,
Tanggal : 3 Juli 2024.

Setelah diadakan pemeriksaan/penerimaan terhadap hasil pekerjaan tersebut diatas menyatakan bahwa Penyedia Barang/Jasa CV. KARTIKA SARI telah menyerahkan pekerjaan tersebut sesuai dengan Surat Perjanjian/Kontrak. Adapun rincian pekerjaan sebagaimana terlampir pada Berita Acara ini.

Demikian Berita Acara ini dibuat, untuk dapat dipergunakan sebagaimana mestinya

Pengendali Kualitas:

No.	Nama	Jabatan Kepanitiaan	Tanda Tangan
1.	Arif Amanu Billah, S.Kom	Ketua	1.
2.	Prawinda Putri Anzari, S.I.Kom., M.Si.	Sekretaris	2.
3.	Rista Ayu Mawarti, S.Pd, M.Pd	Anggota	3.

Mengetahui/Menyetujui:
Pejabat Pembuat Komitmen,



Dr. Deny Yudo Wahyudi, S.Pd, M.Hum
NIP. 197407152008011024

Menyaksikan:
Penyedia Barang/Jasa
CV. KARTIKA SARI



H. Lusiana Dian Puspitarini
Direktur

**Lampiran Berita Acara Pemeriksaan Pekerjaan
No.12.8.3/UN32.7.2/PL/2024**

Pekerjaan Pengadaan Peralatan Laboratorium Fakultas Ilmu Sosial Program Revitalisasi Perguruan Tinggi Negeri
Universitas Negeri Malang Tahun Anggaran 2024

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
1	Set Master Control Room Digital terdiri dari item berikut: (termasuk instalasi,		1	set			
a	Video Switcher	8.CHANEL V8HD 8-channel HD Video HDMI Inputs, 3 x HDMI Outputs Multi-viewer display allows you to monitor all 8 video feeds and PGM/PVW screens in one area Up to 1080p60 Resolution Support Multi-Format, HDCP Support 8-Bit, 4:2:2 Video Processing Mix-Effects Bus,4.3" TFT LCD Screen 18-Channel Digital Audio Mixer with FX RCA Audio Input, Headphone Output Start/Stop Atomos Recorders iPad Remote Control App Support	1	Unit	Roland V-8HD 8-channel HD Video Switcher Roland V8HD	sesuai	berfungsi
b	HDMI Switcher Channel/ Live Switcher	ATEM MINI PRO ISO HDMI IIVE SWITCHER 4 CHANNEL • 4-Channel Live Stream HDMI Switcher • Program and 4 x Input ISO Recording • Live Tally, Stream, and Record Status • Record Button, Channel Preview Multiview • 2-Channel Digital Audio Mixer per Source • HDMI Output, Ethernet ATEM Control • Control up to Four BMPCC 6K/4K Cameras	1	Unit	Blackmagic Design ATEM Mini Pro ISO	sesuai	berfungsi
c	Broadcast/HyperDeck Studio HD	alat perekam dan pemutar video dengan menggunakan SD card HyperDeck Studio HD Plus Records up to 4K DCI at 30 fps Plays Back up to 3840 x 2160 at 30 fps 1x6G-SDI Input, 1x HDMI 2.0 Input 1x HDMI 2.0 and 2 x 6G-SDI Outputs Records ProRes, DNxHD, and H.264 Records in H.264 SDI 4:2:2 10-Bit Front-Panel Buttons, Jog Wheel, LCD Timecode and Reference Input/Output 1/2 Rack-Mountable Form Factor	1	Unit	Blackmagic HyperDeck Studio HD Plus	sesuai	berfungsi
d	Broadcast/HyperDeck Studio HD	alat perekam dan pemutar video dengan menggunakan SD card HyperDeck Studio HD Mini: 1 x 3G-SDI Input 1x HDMI and 1x 3G-SDI Outputs Records ProRes, DNxHD, and H.254 Records in H.264 SDI 4:2:2 10.Bit Front-Panel Buttons, Jog Wheel, LCD Timecode and Reference Input/Output 1/3 Rack-Mountable Form Factor USB Type-C, 1G Ethernet, RS-422	1	Unit	Blackmagic HyperDeck Studio HD Mini	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
e	FULL DUPLEX WIRELESS INTERCOM SYSTEM	1000 ft (300m) 2-Way Operating Range DECT 6.0 for Stability and Security Instant Pairing, Easy to Use Acoustic Echo Cancellation Includes Batteries and Charger Expandable System 4 Beltpack Package, terdiri dari : 1x Base Station 1x AC Power Adapter with 4-Pin XLR 3x 1.9 GHz High-Gain Base Station Antennas 5x Single-Sided Headsets 4x Beltpack Transceivers 4x USB Type-C to USB Type-A Cables 1x 4-Wire Cascade Dedicated Network Cable 1x Network Cable Connector 1x Manual Book 1x Kartu Garansi Resmi	1	Unit	Hollyland Mars T1000 Wireless Intercom System Full-Duplex	sesuai	berfungsi
f	MICRO CONVERTER HDMI TO SDI 3G	MICRO CONVERTER HDMITO SDI 3G converter dr HDMI ke SDI menghantarkan signal 3G dengan power menggunakan USB.C 2 SDI output 1 HDMI input SDI Video Outputs: 2 x SD, HD or 3G-SDI. Automatically matches the HDMI input Dimensi Produk: 76.45 x 45.7 x 24.89 mm, Input / Output: 1 x HDMI Type A Output, 1x SD/HD/3G-SDI Input & 1 x Loop Output	1	Unit	Blackmagic Micro Converter HDMI to SDI 3G	sesuai	berfungsi
g	MICRO CONVERTER SDI TO HDMI 3G	MICRO CONVERTER SDI TO HDMI 3G converter dr SDI ke HDMI menghantarkan signal 3G dengan power menggunakan USB-C SDI Video Inputs: 1 x SD, HD or 3G-SDI. SDI Video Outputs: 1 x SDI loop out. HDMI Outputs: HDMI Type A out	1	Unit	Blackmagic Micro Converter SDI HDMI to 3G	sesuai	berfungsi
h	AUDIO CONVERTER-CONVERTER 3G-SDI to HDMI	AUDIO CONVERTER/ convert 3G-SDI TO HDMI Converts an 3G/HD/SD-SDI input signal to HDMI formats in real time while avoiding transformation loss for both audio and video signals Supports additional analog stereo audio and coaxial digital audio Supports an SDI distance of up to 90M (3G-SDI), 150M (HDSDI) or 300M (SD-SDI) of RG6 Supported SDI formats: SD-SDI (SMPTE 259M, up to 270Mbps) HD-SDI (SMPTE 292M,296M, up to 1.485Gbps) 3G-SDI (SMPTE 424M,425M level A,B, up to 2.97 Gbps)	1	Unit	ATEN 3G/HD/SD-SDI to HDMI Converter VC480	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
i	WIRELESS MICROPHONE	2.4GHZ DUAL CHANNEL WIRELESS MICROPHONE SYSTEM WITH LAVALIER Frequency Response: 50Hz-18KHz Transmission Type: 2.4GHz Digital Frequency Modulation: GFSK Operating Range: Up to 164ft (50M) RF Output Power: 10mW Polar Pattern : Omnidirectional Maximum SPL: Built-in Microphone:120dB SPI Lavalier Microphone: 110d8 SPI Sensitivity: Built-in Microphone: -42dB Lavalier Microphone: -30dB 5NR:>78dB Power Requirements: Built-in Li-ion Battery or USB-C DC 5V Frequency Response: 50Hz-18KHz) paket dalam box 2pcs Transmlter 1pcs Receiver 2pcs Lavalier Microphone Clip 2pcs Foam Lavalier Windscreen 1pcs 3.5mm TRS to TRS Output Cable for Cameras 1pcs 3.5mm TRS to TRRS Output Cable for Smartphones and Tablets 3pcs Charging Cable	1	Unit	Saramonic Blink 500 B2	sesuai	berfungsi
j	Video Encoder	VIDEO ENCODEER Analog audio embedding/de-embedding INPUTS : 1 HDMI 4K60 4:2:0 connector, 1 IR on 3,5mm mini jack (line in), 1 RS-232 on terminal block connectors, 1 USB (type B) port, 1 IR on 3,5mm mini jack (Rx) OUTputs : 1 Ethernet (LAN/PoE) on an RJ-45 connector, 1 IR on 3.5mm mini jack (Tx) NETWORK: 10M/100M/1000M NETWORK SWITCH: 1G multicast, IMGP snooping non-blocking, Layer 2 STREAMING: Unicast and multicast through RTSP (Real Time Streaming Protocol) CONTROLS: Reset button, up and down channel buttons, channel 7-segment display, STATUS, LINK and ON LEDs IR: Wide-band 20kHz to 50kHz bidirectional IR transmission VIDEO ENCOOING/DECODING: Compression standard JPEG 2(n0) HDCP: HDCP 1.4 and 2.2 SCALING AND CROPPING: Built in scaling and cropping for flexible display of source content on the decoder output AUDIO ENCODING/DECODIN6: Compression standard (analog in/out): AAC-LC CHANNELS (HDMI EMBEDDED AUDIO): PCM 2, 5.1, 7.1 Channel, Dolby Digital 5,1 Channel, Dolby Digital Plus, Dolby Digital TTUTHD,DTS 5.1 Channel, DTS-ES, DTS-HD High Resolution, DTS-HD Master Audio POWER: Source: PoE or 48V DC external power supply (not included); Typical Consumption: 140mA max)	1	Unit	KRAMER KDS-EN7 AVOIP ENCODER FOR 4K60 4:2:0, HDR10 OVER 1G NETWORK	sesuai	berfungsi
						sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan
k	SDI to USB CAPTURE CARD	SDI to USB3.0 Capture Card with SDI to HDMI Converter 1080p 60: Format: SD-SDI,HD-SDI,3G-SDI HDMI yang kompatibel dengan Format Output:480i,480p,576i,576p,720p,1080i,1080P USB3.0 Format Output Resolusi: 640x360/800x450/1280x720/1920x1080 Frame Rate:30/40/48/50/59.94/60 tps Ukuran: 112x72x19 (VWH, mm) Berat: 130g Konsumsi daya <= 2,5W	1	Unit	SDI to USB3.0 Capture Card with SDI to HDMI Converter 1080p 60 sesuai berfungsi
l	Ultra Studio 3G Recorder/ SDI and HDMI video capture	3G-SDI and HDMI Inputs SDI Video Inputs: 1x 10-bit SD/HD switchable SDI Rates:270Mb, 1.5G, 3G SDI Audio Inputs: 16 Channels embedded in SD/HD HDMI Video Inputs: 1x HDMI 2.0 type A connector HDMI Audio Inputs:8 Channels embedded in SD/HD Supports Resolutions up to 1080p60 Supports YUV and RGB Video Computer Interface: Thunderbolt 3 output (Mac OS, Windows and Linux)	1	Unit	Blackmagic Design UltraStudio Recorder 3G sesuai berfungsi
m	HD60X 4K Capture Streaming Gaming/ Capture card	HD60X 4K Capture Streaming Gaming CAPTURE RESOLUTIONS 2160p30, 1440p60 1080p60, 1080p30, 1080i, 720p60, 576p,480p HDR 10-bit passthrough (up to 4K60) / capture (up to 1080p60) (HDR capture is currently only available on Windows) DIMENSIONS: 112x72x19mm 14.4 x 2.8x0.7 in 1 x Game Capture HD60 X 1 x USB 3.0 C-to-A Cable (180 cm / 70.9 in) 1 x HDMI 2.0 Cable (150 cm / 59 in) INPUT: HDMI (unencrypted) OUTPUT: HDMI (lag-free passthrough) up to 2160p60, 1440p60, 1080p240 VRR, HDR	1	Unit	ELGATO HD60X sesuai berfungsi
n	Router	LTE Cat11 Wi-Fi Router 600 mbps Download Speed 64 Devices 4G LTE Cat12 Router Supported Networks: 2G, 3G, 4G, LTE Super-fast Internet 4G LTE ULTRA LTE peak download speed to 600Mbps WiFi connection 1 x B618s-65d 1 x Power supply adapter 1 x User Manual 1 x Ethernet cable	1	Unit	HUAWEI ROUTER B618S-65D sesuai berfungsi
o	Kabel fo 12	kabel fo 12 core fig8 jelly tube NS2 high quality 2km / dropcore fig 8 - 4Core FIG8 1Km: kabel fo 12 core fig8 jelly tube NSz high quality 2km / dropcore fig 8 - DIAMETER KABEL:7.20MM X 4.20MM++ - DIAMETER BAJA SELING: 1.25MM++ - DIAMETER TUBE JELLY PELINDUNG COREI 2,1MM - MATERIAL JACKET CABLE: PE + I-SZH - MEREK: NS2	1	Unit	NS2 sesuai berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan	
2	PC Desktop	PROC: Intel i9-14900KF GPU: MSI RTX 4070 VENTUS 3X 12GB GDDR6X MOBo: MSI MAG B760 TOMAHAWK WIFI DDR5 [ATX] RAM: Corsair Vengeance RGB 32GB (16x2) 5200mhz DDR5 SSD: MSI SPATIUM M460 PCIe 4.0 NVMe M.2 - 1 TB COOLER: MSI MAG CORELIQUID E-360 Liquid Cooling PSU: MSI MPG A850G PCIE5 - 80+ Gold CHASSIS: MSI MAG VELOX 100R - ATX Win 11 Trial Free	1	Unit	PC Desktop MSI (Rakitan)	sesuai berfungsi
3	Monitor Komputer	Monitor HD 27 Curved Panel size: 27 inch curved Display: IPS Viewing Angle: 178°/178°/178°/178° Aspect Ratio: 16:09 Response Time: 3ms Output: HDMI /VGA /AUDIO IN /DC Refresh rate: 75HZ Panel Type: LED OSD Language: English Default Gradient "5"-15" Brightness: 260-300cd Housing Material: Plastic Power Supply: DC12V(110%) Power Consumption: -38W resolusi 1920 X 1080 HD Clear Display IPS Display 155 Hz High Refresh Rate I Support G-sync No bezel I Curve Screen	1	Unit	SPC CURVE HD-27	sesuai berfungsi
4	LCD Proyektor	Sistem Projector: DLP Technology Brightness: 4000 ANSI lumens Resolusi Native: (1024 x 768) XGA Rasio Aspek: 4:3 Rasio Kontras: 20.000:1 Rasio Besaran (Zoom): 1.1 Speaker: 10W x 1 Daya / Power: AC 100 to 240 V 50/60 Hz Konsumsi Daya: 260W/110V Dimensi Produk: 296 x 120 x 221 mm Berat Produk: 2.3 kg Koneksi: HDMI x 2, Garansi Resmi 3 Tahun (3 Tahun Full Service 1 tahun/1000jam untuk lampu)	1	Unit	BENQ MX 560	sesuai berfungsi
5	Layar Proyektor	Screen proyektor motorized 120 inch (240cm x 180cm) matte white gantung di dinding / plafon + pull down/ pake remot bahan terbuat dari matte white berkualitas bisa di tempel di tembok dan bisa juga di gantung sesuai dengan kebutuhan presentasi anda. Dengan special design auto locking system, memungkinkan pada posisi apapun yang diperlukan	1	Unit	Inforce Motorize 120" 4:3 (240cm x 180cm)	sesuai berfungsi

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6	Kamera- Full Frame Cinema Line (Body saja)	<p>12.1MP Full-Frame CMOS Exmor R Sensor UHD 4K up to 120 1080p up to 240 Ukuran Sensor:35.6 x 23.8 mm (Full-Frame) CMOS Ukuran Layar: 3.0 inch Tipe Layar: Articulating Touchscreen LCD Berat Produk: 540 gram Sumber Daya Eksternal: 1 x USB Type-C Input Compact Form for Cage-Free Operation 10-Bit 4:2:2 XAVC S-1,16-Bit Raw Output S-Cinetone/S-Log3/HLG, 15+ Stops DR Detachable 2 x XLR/IRS Adapter Handle Phase Detection AF/ Face Tracking/Eye AF Dual CFexpress Type A/SDXC Card Slots Shutter Speed: U8000 to 1/4 sec Image Stabilization: Sensor-Shift, S-Axis ISO Sensitivity: 80 to 102.400 (Native) 80 to 1109.600 (Expanded) Dimensi Produk: 129.7 x 84.5 x 77.8 mm</p> <p>File Format Still Image Support : EXIF / JPEG / MJPEG / Raw Media Penyimpanan : Dual CFexpress Type A/SDXC Card Slots Advertised Dynamic Range : 15 Stops White Balance : 25fi) to 99fi)K Variable Frame Rates : UHD: 1 Up to 120 fps 1080p (Windowed): 1 Up to 240 fps Gamma Curve : HDR-HLG, S Cinetone, Sony S-Log 2, Sony S-Log 3, Standard Video Connectors : 1 x HDMI Output Audio Connectors:2xXLR / L14" TRS Combo Mic/Line Level Input on Included Handle 1x 1/8" / 3.5 mm Built-In Microphone Type : Stereo Wireless Interfaces : 2.4 / 5 GHz Wi-Fi 5 (802.11ac)</p>	1	Unit	Sony FX-3	sesuai berfungsi
7	Lensa Camera	<p>20-70mm: Full-Frame 1/4 tot122 Ukuran Filter: 72mm Dimensi Produk:78.7 x 99 mm Ultra-Wide Standard Zoom Fast Internal Focusing System Supports Micro-Step Aperture Control Fluorine Coatings Rounded 9-Blade Diaphragm Dust & Moisture-Resistant Construction</p>	1	Unit	Sony FE 20-70 F4	sesuai berfungsi
8	Dry Cabinet Camera/lemari penyimpanan dengan pengatur suhu dan kelembapan	<p>Function : Reduce and maintain the humidity, Capacity : 90 liters dry cabinet for camera, Product Size : 37,5 x 38,5 x 65cm, Power : <8W volts(v) : Ac1m-2/tov/ Dc 5v 2A, Adjustive Shelf : 3 pcs (come with padded liners) With LED Lighting Interior</p>	1	Unit	PROCORE Dry Cabinet PC-90L	sesuai berfungsi
9	Memory Card	<p>120G8 G Series XQD Memory Card 120G8 Storage Capacity - PCIe 2.0 Interface - Max. Read Speed:440 MB/s - Max. Write Speed:400 MB/s - Record 4K Video & Raw Photo Bursts - Durable Shell Structure - Shock / X-Ray Proof - Can Withstand Extreme Temperatures - Resistant to UV Light, Static, and Drops - Downloadable File Rescue Software</p>	1	Unit	Sony 120GB	sesuai berfungsi

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10	DSLR Prompter Kit with Bluetooth	Device Used : Apple iPads , Android Tablets, Camera-Mount Interface Adjustable Camera Plate Smartphone/ Tablet Size : Min. Tablet Width: 110mm , Max. Tablet Width: 210mm. up to 11,6" Multi-language Support Device dependent : including Arabic and Asian languages such as Chinese, Japanese, Korean, Hindi, Tamil and more Hood Dimension / Prompter Size Width : 270mm , Height : 210mm , Depth : 460mm, Remote Control software: dvPrompter plus App from iOS and Android glass 60/30 1x Adjustable Camera Plate 2 x 15mm Carbon fibre rod Length 230mm 1 x Hood Frame with square hole and Velcro straps (Hood Frame also has press studs) 1 x Screw plate 2 x 15mm Carbon fibre rod Length 150mm 1 x Mounting plate with hooks 1 x Lens snood with pull cord and Velcro straps 1 x Adjustable tablet holder 1 x Folding hood with press studs and velcro strap 1x Velcro edged 50/40 Mirror glass with green and red stickers 1x Micro fibre clo	1	Unit	DATAVIDEO TP500	sesuai	berfungsi
11	Set BROADCAST-PODCAST terdiri dari item berikut: (termasuk instalasi,		1	set		sesuai	berfungsi
a	CAMERA MIRRORLESS body only	24.2MP Full-Frame Exmor R BSI CMOS Sensor 399-Point AF System & 10 fps Shooting UHD 4K30p Video with HLG & S-Log3 Gamma 3.0" 1.44m-Dot Tilting Touchscreen LCD 5-Axis SteadyShot INSIDE Stabilization ISO 102400 & Pixel Shift Multi Shooting Built-In Wi-Fi/Bluetooth, Dual SD Slot	3	Unit	Sony Alfa 7	sesuai	berfungsi
b	LENSA CAMERA	Prime lens Max Format size 35mm FF Lens mount Sony FE Maximum aperture F1.8 Minimum aperture F22 Autofocus Fiber thread 49mm	2	Unit	Sony FE 50	sesuai	berfungsi
c	MEMORY CARD	Capacity: 128 GB Video Speed: Extreme Pro 200mbps) Form Factor: SD CARD	2	Unit	Sandisk 128Gb	sesuai	berfungsi
d	LIGHTING	LED P260C Bi-Color Lampu LED Video Continues Light Panel P 260 C Dimensi Lampu 36.0 x 24.0 x 2.7 cm Color Temperature Range: 3300-5600K Dimming: 10-10096 CRI of 95, TLCI of 94 On-Board Control with LCD Panel Low 30W Electrical Draw AC Adapter for Wired Power Can Run on L-Series Batteries plus tas penyimpanan	3	Unit	Godox LED P260C Bi-Color LED Light Panel	sesuai	berfungsi
e	LIGHT STAND	Lightstand Max. Height: 200cm Min. Height: 75cm Folded Height: 68cm Max. Load: 3kg Pipe Size: 19,25,22,19mm	3	Unit	TAKARA SPIRIT-1 Light Stand Lightstand Tripod Spirit 1	sesuai	berfungsi

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f	TRIPOD	Tripod video yang terbuat dari paduan aluminium berkualitas tinggi dan ringan. Kapasitas maksimalnya adalah 10kg. Dengan sekrup kamera 1/4 inci di bagian atasnya. Merek : ZOMEI Model : Q310 Warna : Hitam Tipe PTZ : Kepala panci hidrolik Bahan Utama : Paduan Aluminium Kapasitas Beban Standar : Skg Max. Kapasitas Muatan : 10kg Bagian : 4 Max. Tinggi Kerja : 170cm Min. Tinggi Kerja : 54cm Sudut miring : -90° hingga + 90°, Sudut panning : 360°. Mendukung pemotretan vertikal 90° dan fotografi panorama 360°.	2	Unit	Zomei Q310 Tripod 2in1 Monopod Stand Kamera Phone Portable Q-310	sesuai	berfungsi
g	KOMPUTER EDITING	Laptop Menggunakan OS Ventura 14 Liquid Retina XDR display 14.2", Three Thunderbolt 4 ports With support for Charging. Display Port ; Thunderbolt 4 (up to 40 GBb/s) USB (up to 40 GBb/s) CPU 8 Core; GPU 10-core; SSD 512GB Chip Apple M3 Max CPU 14-core dengan 10 core performa dan 4 core efisiensi GPU 30-core Ray tracing yang dipercepat perangkat keras Neural Engine 16-core Bandwidth memori 300 GB/s Dan Pemasangan Software Untuk Podcast	1	Unit	Apple MacBook Pro M3 14 Inch	sesuai	berfungsi
h	SMART TV	Type :4K UHD Resolution : 3840 x 2160 Refresh Rate : Refresh Rate 60Hz Main Processor (SoC) : <rS Gen6 AI Processor 4K Operating System (OS) : webOS Smart TV AI Upscaling :4K Upscaling HDR : Active HDR HDR10 Pro : Yes FILMMAKER MODETU : Yes 4K HDR10 Pro AI q5 4K Gen6 ThinQ AI dan WebOS Active HDR	1	Unit	Smart TV 4K LG UHD UR7500PSC 65 inci	sesuai	berfungsi
i	MIXER	Mixer Console 6 Channel Mic Line 4 Channel Xlr (48v Masing2 Button) Digital Reverb 16 Dsp Effect Digital Display Usb, Mp3, Bluetooth, Recording 7-Band Stereo Graph Eq Record Clean In Daw XLR to XLR Cable AUX Cable	1	Unit	RECORDING TECH RT ELEGANT 6 Mixer Audio USB with DSP	sesuai	berfungsi
j	MICROPHONE	Microphone Core: Dia 16mm Pollar Pattern : Cardioid Freq Rate :30Hz-16kHz Sensitivity : -38dB±/-2dB(OdB=1V/Pa at 1kHz) Equivalent Noise Level : 16dBA Max SPt; 120D8 Electrical Current : 3mA Voltage:1,5VA Material : Metal Pop Filter Untuk masing2 mic	4	Unit	MAONO AU-A03	sesuai	berfungsi
k	HEADPHONE AMPLIFIER	4 channel headphone amplifier Input connector: 3.5mm,RCA Input Impedance: 1000K(unbalance) Max output level: +22dB Output connector: 6,35mm stereo Output Impedance: minimum 10 each channel Max gain: 2GdB each channel Signal to Noise Ratio: >98dB Supply: 12-18v DC adaptor	1	Unit	ALCTRON HA4	sesuai	berfungsi

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1	MONITOR	<p>LG 29WQ500-B 29" UltraWide FHD HDR10 IPS Monitor with AMD FreeSync™</p> <p>- 29" UltraWide FHD (2560 x 1080) IPS Display</p> <p>- Up to sRGB 99% Color Gamut with HDR10</p> <p>Picture Quality: Aspect Ratio: 21:9 Brightness (Typical, Minimum): 250cd (Typ.)/200cd (Min.) Color Depth (Number of Colors): 167 Color Gamut (Typ.): sRGB 99% (CIE1931) Contrast Ratio: 1000:1 (Typ.),700:1 (Min.) Display Type: IPS Pixel Pitch (mm): 0.2626 x 0.2628 mm Refresh Rate: 100hz Resolution: 2560 x 1080 Response Time (GTG): 5ms (GtG at Faster) Screen Size: 29" Viewing Angle: 178*(R/L), 178*(U/D)</p> <p>FEATURES: Adaptive Sync: AMD FreeSync™ Auto Input Switch: Yes Black Stabilizer®: Yes Color Calibrated: Yes</p>	1	Unit	LG 29WQ500	sesuai	berfungsi
m	CAMCORDER	<p>1/2.3" UHD 4K CMOS Sensor</p> <p>Record up to UHD 4K30 Video DIGIC DV 6 Image Processor</p> <p>29.3 to 627mm, 20x Optical Zoom in 4K Dual SD Card Slots, 5-Axis Stabilization USB-C for Live Streaming with UVC</p> <p>3.5" Touchscreen LCD, Tilttable 0.36" EVF</p> <p>Slow- & Fast-Motion, Interval Recording</p>	2	Unit	Canon Legria HF-G70 UHD 4K Camcorder - Canon HFG70	sesuai	berfungsi
12	Komputer/PC All In One (AIO)	<p>Komputer/PC All In One (AIO)</p> <p>Asus AIO A3202WBAK-WPB182W : Intel® 7305/8GB (4x2)/256 GB SSD M.2 NVMe/Intel® UHD Graphic/720p HD camera/Mouse&Keyboard</p> <p>Wired/White/Win 11 Home/2 Years/21,5 FHD</p>	3	Unit	ASUS AIO A3202 WBAK-WPB182W	sesuai	berfungsi
13	Kamera Mirrorless	<p>Kamera KIT dengan lensa 16-50MM F/3.5-5.6 OSS</p> <p>24.2MP APS-C Exmor CMOS Sensor</p> <p>Real-Time Eye AF & Real-Time Tracking</p> <p>3.0" 921.6k-Dot 180" Tilting Touchscreen Internal UHD 4K Video, S-Log3, & HLG Built-In Wi-Fi dengan NFC</p> <p>Hingga 111ps Shooting & ISO 102.400</p> <p>Optional External Mic</p>	1	Unit	Sony 6400	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
14	Gimbal Stabilizer/ Alat Penstabil Kamera	Designed for Mirrorless Cameras 1.4" Full Color Touchscreen, Wireless Camera Control via Bluetooth 2450mAh Battery; 10-Hour Runtime Includes Extended Grip/Tripod Tested Payload: 0.4-2 kg (0.8-4.4 lbs) Number of Axes: 3-Axis (Pitch (Tilt), Roll, Yaw (Pan)), (Pan: 360°/s, Tilt: 360°/s, Roll: 360°/s) Mechanical Range Pan Axis: 360° continuous rotation Roll Axis: -95° to +240° Tilt Axis: -110° to +210° Wireless Frequency: 2.4 GHz Wireless Protocol: Bluetooth 5.1 Mobile App Compatible: Yes: Android & iOS; App Name: RONIN Weight Gimbal: 795 g (1.75 lbs) in portrait mode and 850 g (1.8 lbs) in horizontal shooting mode (both including the Quick-Release Plate and excluding the Extended Grip/Tripod) Extended Grip/Tripod: Approx. 128 g (0.2 lbs) Dimensions Folded: 323x195x98 mm (LxWxH, height excludes the Extended Grip/Tripod) Unfolded: 180x159x296 mm (LxWxH, excluding camera and the Extended Grip/Tripod)	2	Unit	DJI RONIN RS3	sesuai	berfungsi
15	Memori eksternal- Portable SSD T7 1TB	Portable SSD T7 1TB External Storage - Portable SSD Capacity : 1TB Hardware Interface : USB 3.2 Gen 2 (10 Gbps) Transfer Speed : Up to 1.050 MB/s Supported UASP Mode AES 256-bit hardware encryption Unit Utama	1	Unit	Samsung SSD T7	sesuai	berfungsi
16	set perlengkapan radio yang terdiri dari:		1	set		sesuai	berfungsi
	a	Booster Pemancar Radio FM	1	Unit	Amplifier Boster FM 2000 Watt	sesuai	berfungsi
	b	Radio pemancar dan Tower Triangle (termasuk instalasi)	1	Unit	Tower Triangle	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan
		Penyalur Petir dan Grounding o Penyalur Petir o Kabel NYA 25 mm o Spitzen : ukuran minimal 1" I Pipa Shock: ukuran minimal 1" o Isolator: minimal 1" o Grounding Ethernet Surge Protector pada Triangle dan Perangkat Jaringan o Ground Rod ex KAK 5/8" x 2 mm o Kabel NYA4 mm o Toleransi makimum grounding : minimal 0,5 ohm o Kabel Seling o Material : Seling Eaja minimal 5 mm full SNI o Jumlah tarikan benangan : 3 sisi tarikan Antena F 23 (Rx), Kabel Rg 8 50 cm, Connector, Box/cavity, Rig motorola Rx, Rig lcom Tx, Power Supply 30A, Cor Rpu, Filter, Antena Mc gain V2 (Tx). 5 GHz 450i ENQ Integrated High Gain Antena(ROw),Gigabit Ethernet Surge Suppressor. Power			sesuai berfungsi
c	set Audio SOUND SYSTEM	SOUND SYSTEM + MIXER + MIC+ Stand +instalasi 1 bh mixer ashley samson 8 channel 2 bh speaker baretone max 15 h 1 set mic wireless hardware number o inne 2 bh stand speaker 2 bh kabel speaker dan instalasi	1	Unit Baretone 15 Inch Mixer Ashley	sesuai berfungsi
17	Handycam	Image Sensor : 1/2.5-type (inch) MOS Sensor, Effective Pixles : 8.29 megapixels Record up to UHD 4K60 Video 5-Axis O.I.S., 3.5" LCD Touchscreen 24x Optical Zoom, 48x Digital izoom Face Detection AF Feature Media Format: Recording Format : MOV, MP4, AVCHD Effective Sensor Resolution: 8.29 megapixels Filter Size: 62 mm Focal Length: 4.12 - 98.9mm Digital Zoom: 2x / 5x / 10x 35mm Conversion: 25.0 - 600.0 mm Video I/O: HDMI Power Consumption: 14.4W (LCD Monitor) Optical Sensor Size and Type: 1/2.5-type (inch) MOS Sensor Lens Aperture : F1.8 - 4.0 Digital Storage Media : SDHC, SDXC Battery: 7.28V (Battery) Min. Illumination: 1.5 lx (F1.8, Super Gain +, 1/30) Display Size: 3.5 inch External Power Source: 12V (AC Adaptor) Dimensions (WHD) : Approx. 129 x 93 x 257 mm Weight: approx. 0.9 kg (body only) IEEE 802.11b/g/n (2.4 Ghz) Focus : Auto / Manual Image Stabilizer : Ball O.I.S., 5-Axis HYBRID O.I.S. (UHD/FHD) Video Compression Format : H.264/MPEG-4 AVC Main Profile, High Profile Video Resolution : 1920 x 1080 (FHD), 1280 x 720 (HD), 640 x 360, 320 x 180	1	Unit Panasonic HC-X1500 UHD 4K HDMI Professional Camcorder	sesuai berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
18	Wireless Microphone/ Condenser Mic Untuk Kamera	<p>Terdiri dari 4 transmiter dan 1 receiver 2.4 GHz Wireless System Frequency Response : 50Hz-16kHz, Sensitivity -42d8 Operating Range up to 30m (without obstacles) spesifikasi transmiter: Transmission Type : 2.4GHz ISM Modulation GFSK Poplar Pattern : Omnidirectional Operating Range Up to 30m (without obstacles) RF Output Power: <10mW Frequency Response : 50Hz-16kHz SNR : >78d8 Sensitivity: -42d8 Built-in Li-ion Battery Specifications : 3.7V/ 110mAh Charging Port: USB-C Charging Time Approx. 2 hours Battery Life Approx. T hours spesifikasi Receiver: Transmission Type : 2.4GHz ISM Modulation GFSK Operating Range up to 30m (without obstacles) RF Output Power: <10mW Audio Output 3.5 mm TRRS Output Jack Built-in Li-ion Battery Specifications : 3.7V / 200mAh Charging Port : USB-C Charging Time Approx. 2 hours</p>	1	Unit	BOYA Mic Wireless BY-W4	sesuai	berfungsi
19	Portable Bluetooth Speaker	<p>Portable Bluetooth Speaker Waktu putar 20 jam Ketahanan air dan debu IP67 JBL PartyBoost Streaming Bluetooth Nirkable Powerbank Suplai Daya: Rechargeable Battery Respon Frekuensi: 65 Hz - 20 kHz Input / Output: USB Type-C Dimensi Produk: 22 x 9.6 x 9.3 cm warna hitam</p>	1	Unit	JBL Charge 5	sesuai	berfungsi
20	Tripod Kamera	<p>Tripod with Monopod and Ball Head Kit Materials : Aluminum Alloy Load Capacity : 10 kg Minimum Working Height : 56 cm, Maximum Working Height : 175 cm Leg Lock Type : Flip Lock, Leg Positions : 3 Positions Tinggi Minimum : 56 Cm Tinggi Maximal : 175 CM Tinggi Dilipat : 58 Cm Kunci : Twist Locks</p>	2	Unit	K&F Concept SA254M2 Aluminum Tripod with Monopod and Ball Head Kit	sesuai	berfungsi
21	Action Camera	<p>Paket Combo Camera with 1/1.7° 64MP CMOS Sensor Compact 4.1 oz, 3-Axis Gimbal Design Capture up to 4K 60 Video, 4 Microphones Up to 8x Zoom, 93° Angle of View Efek glamour terintegrasi, Editor AI, Story mode software Resolusi Foto 9216x6912 px, Movie Record Format MP4 (MPEG-4 AVC/H.264), Image Record Format JPEG/DNG) Fitur Pocket Sized, Quick Capture, High-Definition Panorama, ActiveTrack 3.0, Story Mode, Time-Lapse, AI Editor, Motorized Stabilization, Hollywood-Quality Smoothness, Image Quality, HDR Video, 8x Zoom, Immersive Audio Berat Produk: 117 g Dimensi Produk: 124.7 x 38.1 x 30.0 mm Battery : Rechargeable Lithium-Ion Polymer Battery Pack, 7.7-8.8 VDC, 875 mAh Charging Method : USB Charging Time : 1.25 Hours Power Adapter: 5 VDC Power Consumption : Operating: 6.738 W</p>	1	unit	DJI OSMO Pocket 3	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah		Merk/Type	Keterangan	
22	Komputer/PC All In One (AIO)	CORE I9-12900 2.4G 16C 24T VP, 16GB DDR4 3200 SODIMM, 1TB SSD M.2 2280 G4 TLC OPAL , INTEGRATED GRAPHICS, SLIM DVD RW 9.0MM, WLAN:AX211 2X2AX 6E+BT VPRO WW, 5MP RGB CAMERA W/DUAL MIC , Keyboard USB, Mouse USB, 3 IN 1 CARD READER , WINDOWS 11 PRO 64, NO Microsoft Office, 3Y ONSITE	1	unit	LENOVO AIO All In One PC M90a 11VHS01R00, 23.8 Q670 UMA MT 180W 90 WW , ULTRAFLEX V STAND	sesuai	berfungsi
23	Komputer/PC All In One (AIO)	All In One PC Processor Onboard : Intel* Core™ i7-12700 Memori Standar : 8GB DDR4 Up To 64GB SSD : NVme 512GB Display : 23.8" IPS Grade Panel LED Backlight (1920*1080 FHD) Tipe Grafis : Integrated Kamera : Built-in FHD Webcam which supports Windows Hello Audio : Reahek* ALC897 Bluetooth : Bluetooth* 4.2 (with Intel AC 3168) / 5.2 (with Intel AX201) Windows 11Home AC Adapter: 120 W Power adaptor Wireless Lan : 1. Intel Wireless AC 3168 2. Intel Wireless AX201 I/O Ports: 1 x USB 3.2 Gen 2 Type C 1x USB 3.2 Gen 2 Type A 2 x USB 3.2 Gen 1 Type A 2 x USB 2.0 Type A 1 x RJ45 1 x HDMI out (2.0) 1 x DP out (1.4) 1 x Mic-in 1 x Line-out	1	unit	MSI PRO AP242 ID - 23.8INCH LED FHD / INTEL CORE I7-12700 / 8GB DDR5 / 512GB SSD M.2 / WIN11HOME / WIRED KBM / 2Y WARRANTY / BLACK	sesuai	berfungsi
24	Interactive Whiteboard	INTERACTIVE WHITEBOARD/EDUCATION TV SMART TOUCHSCREEN 50 INCH WINDOWS Paket Education TV / White Board Interaktif / Digital Display TV 50 inch Windows System : Touchscreen Panel Overlay 50 inch sharps, Industrial Mini PC Touchindo Intel Processor i5-4U + Ram 8Gb + SSD 128 Gb + Wifi + Bluetooth (Windows Original 10/11) braket mini pc. kamera full hd 4k, Standing TV 50 inch Braket Premium Mobile (Ada 4 Roda Bisa Pindah Lokasi, touch pen Sdh Terinstall banyak Fitur2 Dan Aplikasi Pendukung untuk Sekolah Dan Persentasi Kantor.	1	unit	Interactive Whiteboard/Edu cation TV Smart Touchscreen 50 inch Nostand	sesuai	berfungsi
25	VIRTUAL REALITY HEADSET OCULUS QUEST 2 256GB ADVANCED ALL IN ONE	All-In-One VIRTUAL REALITY HEADSET, Next-level Hardware, Immersive Entertainment, Easy Setup, Premium Display, Ukimate Control, PC VR Compatible, 3D Cinematic Sound. - Kapasitas penyimpanan 256GB - Resolution 1832 x 1920 Per Eye - Qualcomm Snapdragon XR2 Platform - Built-In IPD Adjustment with 3 Settings - Cinematic 3D Positional Audio - Headset Casting - Two Touch Controllers - Glasses Spacer	3	Unit	Oculus Quest 2	sesuai	berfungsi
26	Dry Cabinet Camera/lemari penyimpanan dengan pengatur suhu dan kelembapan	Dry Box/Dry Case, Kapasitas Volume : 300 Liter Konsumsi daya : Kurang dari 15 Watt Jumlah sekat : 3 Jumlah kompartement/ruang : 4 Ukuran : 85 x 43 x 96.5 cm Berat Produk:38.5 kg Dimensi Produk: 85 x 43 x 96.5 cm	2	Unit	Dry Box Dry Cabinet ANDBON AD- 300S Digital Drybox Drycabinet 300 liter - unit only,	sesuai	berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan	
27	PC DEKSTOP + Monitor	<p>PROCESSOR : INTEL I9- 14900KF MOTHEBOARD : MSI B760M-A WIFI DDR4 RAM : TEAM DELTA RGB 2X16GB DDR4 3600 SSD : MSI SPANTIUM M371 1TB HDD : SEAGATE BARRACUDA 1 TB SATA III VGA : MSI RTX 4070TI SUPER VENTUS 2X 16GB COOLER / FAN : MSI CORE LIQUID E240 POWER SUPPLY : MSI A750GL PCIE5 CASSING : MSI FORGE M100R TG ARGB MONITOR : LG 32GN650 2K(QHD) SRGB 95% 165HZ VA KEYBOARD & MOUSE LOGITECH MK 120</p>	1	Unit	RAKITAN	sesuai berfungsi
28	Lensa DSLR	<p>RF-Mount Lens/Full-Frame Format Aperture Range:t/2.8to12, Filter Size 77 mm Stabilisasi Gambar hingga 5 stop Kontrol fokus elektronik dengan 2 Nano USM (Min. Jarak Fokus 2.3' 170 cm Groups / Elements 131t7 Angle of View 34" to 12' Aperture Blade 9 Ukuran Filter 77mm ImageStabilization Yes Dimensi Produk 89.9 x 146 mm)</p>	1	Unit	Canon f2	sesuai berfungsi
29	Gimbal Stabilizer/ Alat Penstabil Kamera	<p>Handheld Stablizer GImbal iFocus-M Motor dan Hand Unit Kit Camera Control Cable Set Up to 19-Hour Runtime; 7 lb Payload iOS/Android Moza App Weight : 1.3k9/1.5k9 (inc tripod), Payload : 3.2k9, Size : 170*190r3t0mm / 32' 2251 270mm. Lock : 3 Axis, Bluetooth : 5.0 Rotation Range: Yaw (Pan); 360" I Pitch (Tilt): 270" (- 90 to 180') I Roll: 330' (-95 to 23s') Inputs: 2 x USB Type-C (Power) Wireless Frequeny: 2.4 GHz Wireless Protocol: Bluetooth 5.Q WFFi (Unspecified Type) Battery Type: 1 x Built-In Battery Capacity: 3500 mAh / 24.718 Wh Battery Chemistry: Lithium-Ion Features AirCross 3 Handheld Stabilizer Gimbal Lens Support, 3-Axis Locking System Load Capacity 7.1lb /3.2kg</p>	1	Unit	MOZA AIR CROSS 3	sesuai berfungsi
30	Kamera- Full Frame Cinema Line (Body Saja)	<p>12.1MP Full-Frame CMOS Exmor R Sensor UHID 4K up to 120 1080p up to 240 Ukuran Sensor:35.6 x 23.8 mm (Full-Frame) CMOS Ukuran Layar:3.0 inch Tipe Layar: Articulating Touchscreen LCD Berat Produk: 640 gram Sumber Daya Eksternal: 1 x USB Type-C Input Compact Form for Cage-Free Operation IGBit 4:2:2 XAVC S-1,15-Bit Raw Output S-Cinetone/S-Log3/HLG, 15+ Stops DR Detachable 2 x XLR/IRS Adapter Handle Phase Detection AF/Face Tracking/Eye AF Dual CFexpress Type A/SDXC Card Slots Shutter Speed: U8000 to U4 sec Image Stabilization: Sensor-Shift, S-Axis ISO Sensitivity: 80 to 102.400 (Native) 80 to 409.600 (Expanded) Dimensi Produk: 129.7 x 84.5 x 77.8 mm</p>	1	Unit	Sony FX-3	sesuai berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan
		File Format Still Image Support : EXIF / JPEG / MJPEG / Raw Media Penyimpanan : Dual CFexpress Type A/SDXC Card Slots Advertised Dynamic Range: 15 Stops White Balance : 2500 to 9900K Variable Frame Rates : UHD: 1 Up to 120 fps 1080p (Windowed): 1 Up to 240 fps Gamma Curve : HDR-HLG, S Cinetone, Sony S-Log 2, Sony S-Log 3, Standard Video Connectors : 1x HDMI Output Audio Connectors : 2 x XLR / 1/4" TRS Combo Mic/Line Level Input on Included Handle I LxLlg" / 3.5 mm Built-In Microphone Type : Stereo Wireless Interfaces : 2.4 / 5 GHz Wi-Fi 5 (802.11ac)			sesuai berfungsi
31	Lensa Kamera	Wide-angle Zoom Lens Focal Length 16 - 35mm Filter Thread 82mm Aperture Maximum: f/2.8 & Minimum:f/22 E-Mount Lens/Full-Frame Format Lens Type: Wide Angle Zoom Kesesuaian Lensa : Full-Frame Garansi: 12 Bulan dari Distributor Resmi di Indonesia Min. Jarak Fokus: 11.02" (28 cm) Groups / Elements: L3It6 Angle of View: 107'- 63' Aperture Blade: tt Ukuran Filter: 82mm	1	Unit SONY FE 16 35	sesuai berfungsi
32	Lensa Kamera	Focal Length : 24 to 70mm Maximum Aperture : f/2.8 Minimum Aperture : f/22 Lens Format Coverage : Full-Frame Maximum Magnification ; 0.32x Dimensi Produk: 87.8 x 119.9 mm Fitur: Autofocus Jarak F Stop: f/2.8 Berat Produk: 695 g Groups / Elements :15 / 20 Angle of View :84" to 34'	1	Unit SONY FE 24 70	sesuai berfungsi
33	Kamera - (BODI SAJA)	24MP Full-Frame Exmor R BSI CMOS Sensor EIONZ X Image Processor & Front-End LSI 693-Point Hybrid AF System UHD 4(30p Video with HLG & S-Log3 Gammas 2.36m-Dot Tru-Finder OLED EVF 3.0" 922k-Dot Tihing Touchscreen LCD s-Axis Steadyshot INSIDE Stabilization ISO 2(X8fi) and 10 fps Shooting Built-In Wi-Fi and NFC, Dual SD Slots USB Type-C Port, Weather-Sealed Design Flash Modes : Auto, Fill Flash, Hi-Speed Sync, Off, Rear Sync, Red-Eye Reduction, Slow Sync, Wireless Ukuran Layar 3.0 inch Berat Produk 650 gram (Body Only) Video & Audio Recording H.264[GVC S ; UHD 4K (3840 x 2160) at 23.98125/29.97 fps [60 to 1(X) Mb/sl 1920 xlo8op at 23.98/25129.97/50159.9411@/ fps [16 to 10o Mb/s] AVCHD/H.264 : 1920 x 1080i at 50/59.94 fps [17 to 24 Mb/sl Ukuran Sensor 35.6 x 23.8 mm (Full-Frame) CMOS Shutter Speed 1/8000 to 30 Seconds Image Stabilization Sensor-Shift, 5-Axis ISO Sensitivity Photo : 100 to 51,200 (Extended: 50 to 204,800) Video : 100 to 51,200	1	Unit SONY ALFA 7	sesuai berfungsi

No.	Nama & Jenis Barang	Spesifikasi	Jumlah	Merk/Type	Keterangan
		Tipe Layar Tilting Touchscreen LCD Efektif Pixel 24.2 Megapixels Built-in Flash No Max. Resolusi Gambar 5000 x 4000 Flash Hotsoe Available Model Mirrorless Media Penyimpanan SD/SDHC/SDXC (UHS-II), SD/SDHC/SDXC/Memory Stick Duo Hybrid (UHS"l) Exposure Metering Center-Weighted Average Material of Construction : Magnesium Alloy Wireless : Wi-Fi, Bluetooth			sesuai berfungsi

Pengendali Kualitas
Pekerjaan:

- | No | Nama | Jabatan dalam kegiatan |
|----|--|------------------------|
| 1. | Arif Amanu Billah,
S.Kom | Ketua |
| 2. | Prawinda Putri
Anzari, S.I.Kom.,
M.Si. | Sekretaris |
| 3. | Rista Ayu Mawarti,
S.Pd, M.Pd | Anggota |

Tanda Tangan

1.

3.

Penyedia

CV. KARTIKA SARI



Pejabat Pembuat Komitmen,
Dr. Denny Yudo Wahyudi, S.Pd, M.Hum
NIP. 197407152008011024

