

OUTLINE SPESIFIKASI MATERIAL

NO.	URAIAN PEKERJAAN	SPESIFIKASI		MERЕК / PRODUK
I	PEKERJAAN STRUKTUR			
A	PEKERJAAN SUB STRUKTUR			
	- Tiang Pancang Kotak Masif	Dimensi	250 x 250 mm	SETARA WIKA BETON / KALLABETON / BINA SARANA BETON
		Mutu	K-500	
		Kelas	B	
		Dimensi	Bottom	
		Dimensi	11 meter	
B	PEKERJAAN UP STRUKTUR			
	- PONDASI POER PLAT	Beton Bertulang		
		Fc	24,0 MPa (K 275)	SETARA KMP PASSOKKORANG / BOSOWA
	- PONDASI BATU KALI	Campuran 1 : 4		
	- SLOEF	Beton Bertulang		
		Fc	24,0 MPa (K 275)	SETARA KMP PASSOKKORANG / BOSOWA
	- KOLOM	Beton Bertulang		
		Fc	24,0 MPa (K 275)	SETARA KMP PASSOKKORANG / BOSOWA
	- BALOK, RINGBALK	Beton Bertulang		
		Fc	24,0 MPa (K 275)	SETARA KMP PASSOKKORANG / BOSOWA
	- PLAT LANTAI	Beton Bertulang		
		Fc	24,0 MPa (K 275)	SETARA KMP PASSOKKORANG / BOSOWA
C	PEKERJAAN ATAP			
	- RANGKA ATAP			
	RANGKA BAJA RINGAN	Baja ringan canal dingin C75		SETARA SERMANI STEEL / LYSAGHT
	RANGKA BAJA WF	PROFIL WF	300.150.6,5.9	
		PROFIL CANAL	100.50.20.3.2	
		PROFIL SIKU	40.40.4	
	- PENUTUP ATAP	Alumunium Foil		
		Atap Bitumen		SETARA ONDULINE / INDOBITUMEN
		Nok Atap Bitumen		SETARA ONDULINE / INDOBITUMEN
D	MATERIAL POKOK			
	- AGREGAT KASAR	Batu Kali, Batu Pecah, Sirtu		
	- AGREGAT HALUS	Pasir Pasang, Plester, Pasir Cor		
	- SEMEN	TYPE I / OPC (Ordinary Portland Cement)		SETARA BOSOWA / TONASA / CONCH
	- BESI TULANGAN	Polos dan Ulir		
	- KAYU	Balok dan Papan kayu		
E	MATERIAL PRECAST			
	- U DITCH	Ukuran	40 x 40 x 120 cm	SETARA WIKA BETON / KALLABETON / BINA SARANA BETON
		Tebal	10 cm	
		Mutu	K-300	
	- PENUTUP U DITCH	Ukuran	40 x 40 x 120 cm	SETARA WIKA BETON / KALLABETON / BINA SARANA BETON
	-	Tebal	10 cm	
		Mutu	K-300	

II	PEKERJAAN ARSITEKTUR		
A	PEKERJAAN DINDING		
	- BATA RINGAN	Panjang 60 cm	
		Tinggi 20 cm	SETARA KALLA BETON / ACON / INDOBLOCK
		Tebal 10 cm	
		Berat jenis p(kg/m3) 600+50	
		Daya Tekan (N/mm2) ≥ 3,7	
	- MORTAR		
	PEREKAT BATA RINGAN	Type KB-858	SETARA KALLA BETON / MORTAR UTAMA
	- DINDING PARTISI		
	Rangka Partisi	Metal Stud MS 34,76 mm	
	Penutup Partisi	Gypsum Board Tebal 12 mm	SETARA JAYABOARD / INDOBOARD
B	PEKERJAAN LANTAI		
	- Lantai Kerja	Beton Fc 7,4 MPa (K 100)	
	- Vinyl Flooring	Vinyl Uk. 12x60 mm	
	- Granit Tile	Granite Uk. 60x60 cm Unpolish	SETARA GRANITO / NIRO / ESSENZA
		Granite Uk. 60x60 cm Polish	SETARA GRANITO / NIRO / ESSENZA
C	PEKERJAAN PINTU DAN JENDELA		
	- Kusen Pintu dan Jendela	UPVC RETTO (White)	SETARA RETTO / CONCH
		Framless	
	- Daun Pintu dan Jendela	Bingkai UPVC RETTO (White)	SETARA RETTO / CONCH
		Panil UPVC RETTO (White)	SETARA RETTO / CONCH
	- Kaca	Tempered Glass 12 mm	SETARA RETTO / CONCH
		Kaca 5 mm	SETARA RETTO / CONCH
D	PEKERJAAN PLAFOND		
	- Rangka Plafond	Hollow 40x40x2 mm	SETARA SERMANI STEEL / LYSAGHT
	- Penutup Plafond	Akustik 60x120 cm	SETARA JAYA BOARD / INDOBOARD
		PVC 40x40x2 mm	SETARA SHUNDA / RETTO / CONCH
		GypsumBoard T = 9 mm	SETARA JAYA BOARD / INDOBOARD
E	PEKERJAAN PENGECATAN		
	- CAT DINDING		
	Dinding dalam	Type Majestic	SETARA MOWILEX / NIPPON / DULUX
	Dinding luar	Type Weathershield	SETARA MOWILEX / NIPPON / DULUX
	- CAT BESI	Type Acrylic	SETARA MOWILEX / NIPPON / DULUX
G	PEKERJAAN LAIN-LAIN		
	- RAILING TANGGA	Railing Stainless Steel	
	- FASADE	Rangka Hollow Galvanis 20x40x12 mm	SETARA SERMANI STEEL / LYSAGHT
		Rangka Hollow Galvanis 40x40x12 mm	SETARA SERMANI STEEL / LYSAGHT
		Penutup ACP PVDF 4 mm Glossy Alloy 1100	SETARA SEVEN / MARKS
	- SIGNED TEXT DAN LOGO	Stainless Body Mirror	
		Acrylic T = 3 mm Putih	
		Fin. Cutting Sticker Oracal 8500	
		Foam Board T= 8 mm	
		Lampu LED 3 mata	
		Power Supply	
		Box Panel dan Timer	

	- VIDEOTRON	Product Model	P8 Indoor Full Colour	
		Pixel Pitch	8 mm	
		LED Type	SMD Epy Star	
		Modul Size	W 320 x H 160 mm	
		Cabinet Type	Die Cast Alumunium	
		Cabinet Size	W 960 x H 960 mm	
		Software	NOVA Studio	
III	PEKERJAAN M E P			
A	PEKERJAAN LISTRIK			
	- PEKERJAAN ELEKTRIKAL	Trafo 630 KVA		SETARA TRAFINDO / KALLA TRAF0
		Tegangan Primer 20 KVA		
		Tegangan Sekunder 400V		
		Sistem Proteksi Standar DGPT		
		Pendingin ONAN		
		Vektor Group DYn5		
		Kapasitas 630 KVA		
		Frekuensi 50 Hz		
		Oil Type Mineral Oil		
		Type Indoor / Outdoor		
		Cubicle 20 KV		SETARA SCHNEIDER ELECTRIC / UNISWITCH
		Incoming IM LBS 630A		
		Outgoing QM LBS 630A		
	- PEKERJAAN KABEL-KABEL	KWH ke panel MDP	YYY 4x50 mm2	
		MDP ke PP-LP	YYY 4x4 mm2 + NYA 1x4 mm2	
		MDP ke PP-SK & AC	YYY 4x25 mm2 + NYA 1x16 mm2	SETARA SUPREME / METAL
		MDP ke SDP-Lt.2	YYY 4x35 mm2 + NYA 1x16 mm2	
		SDP-Lt.2 ke PP-LP Lt.2	YYY 4x4 mm2 + NYA 1x4 mm2	
		DP-Lt.2 ke PP-SK & AC Lt.2	YYY 4x25 mm2 + NYA 1x16 mm2	
	- PEKERJAAN PANEL	MDP (Main Distribution Panel)		
		Power Panel (PP)		
		Lighting Panel (LP)		
		MCB		SETARA PANASONIC / SCHNEIDER
		SDP (Sub Distribution Panel)		
		Pentanahan Elektrikal Max 2 Ohm		
	- INSTALASI LAMPU & STOP KONTAK	Lampu RM	TL LED 2x9 Watt	SETARA PHILLIPS / PANASONIC
		Lampu Downlight	RD 150 LED 9 Watt	SETARA PHILLIPS / PANASONIC
		Lampu Exit	LED C/W Nicad Battery	SETARA PHILLIPS / PANASONIC
		Saklar Tunggal	YYY 4x35 mm2 + NYA 1x16 mm2	SETARA PHILLIPS / PANASONIC
		Saklar Ganda	YYY 4x4 mm2 + NYA 1x4 mm2	SETARA PHILLIPS / PANASONIC
		Saklar Hotel	YYY 4x25 mm2 + NYA 1x16 mm2	SETARA PHILLIPS / PANASONIC
		Rak Kabel	Uk. 300x100 mm	
	- PEK. PENANGKAL PETIR & PENTANAHAN	Air Terminal	Proteksi Minimal r = 120 meter	SETARA KURN / THOMAS
		Obstruction Light	LED 5 Watt	SETARA PHILLIPS / PANASONIC
		Conductor Cable	YYY 1x70 mm2	
		Cable Clamp	YYY 4x35 mm2 + NYA 1x16 mm2	
		Grounding	Max 2 Ohm	
	- PEK. INSTALASI FIRE ALARM	MCFA 5 Zone		SETARA NOHMI / HOCHIKI
		ROR Heat Detector		SETARA NOHMI / HOCHIKI
		Smoke Detector		SETARA NOHMI / HOCHIKI
		Alarm Bell		SETARA NOHMI / HOCHIKI
		Manual Push Button		SETARA NOHMI / HOCHIKI
		Indicator Lamp		SETARA NOHMI / HOCHIKI
		Portable Fire	3 Kg	SETARA NOHMI / HOCHIKI
		Pengkabelan	NYA 3x2.5 mm2	SETARA SUPREME / METAL
	- PEK. INSTALASI AC	AC SPLIT System	1 PK dan 2 PK	SETARA PANASONIC / DAIKIN / SAMSUNG
		Stop Kontak AC	16A, 1 ph, 3 kaki	SETARA PANASONIC / SCHNEIDER / NERO
		Instalasi Stop Kontak	NYM 3x2,5 mm2	SETARA SUPREME / METAL
		Pipa Drain	PVC AW 3/4"	SETARA RUCIKA / WAVIN

B	PEKERJAAN PLUMBING		
	- PEKERJAAN AIR BERSIH	Roof Tank Kap. 4 m3, 2 m3, 650 liter	SETARA SETARA BIOFIL / PENGUIN
		Pipa PVC AW dia. 40 mm	SETARA RUCIKA / WAVIN
		AW dia. 32 mm	SETARA RUCIKA / WAVIN
		AW dia. 26 mm	SETARA RUCIKA / WAVIN
		AW dia. 22 mm	SETARA RUCIKA / WAVIN
		Gate Valve Steel dia. 32 mm	SETARA RUCIKA / WAVIN
		Wastafel TOTO LW 643 J	SETARA TOTO / AMERICAN STANDARD
		Kran Wastafel TOTO TX 109 LD	SETARA TOTO / AMERICAN STANDARD
		Kran Air Wasser TS-010	SETARA TOTO / AMERICAN STANDARD
		Urinoir TOTO U57M	SETARA TOTO / AMERICAN STANDARD
		Closet Duduk TOTO CW631JW/F	SETARA TOTO / AMERICAN STANDARD
		Jet Shower TOTO THX20NB	SETARA TOTO / AMERICAN STANDARD
		Stop Kran 2 Way CASTELLI	SETARA TOTO / AMERICAN STANDARD
		Floor Drain TOTO TX1BN 4 Inchi	SETARA TOTO / AMERICAN STANDARD
		Tissue Holder TOTO TX703AE	SETARA TOTO / AMERICAN STANDARD
		Cermin Wastafel	
	- PEKERJAAN AIR BEKAS	Pipa PVC AW dia. 114 mm	SETARA RUCIKA / WAVIN
		Clean Out Steel 4 "	SETARA RUCIKA / WAVIN
	- PEKERJAAN AIR KOTOR	Pipa PVC AW dia. 114 mm	SETARA RUCIKA / WAVIN
		Clean Out Steel 4 "	SETARA RUCIKA / WAVIN
		Septic Tank Biotech 4 m3 aerob-anaerob	SETARA BIOFIL / PENGUIN