1 JAYA CM	DATA TEKNIS PROYEK	Nomor : Halaman :
BIRO ENGINEERING	TRANSPORTASI	Tanggal :

NAMA PROYEK : BANDAR UDARA PEMILIK
JENIS PROYEK
LOKASI
PERIODE
PELAKSANAAN

Angkasa Pura
 Pembangunan Apron Selatan dan Apron Timur Beserta Fasilitas Penunjangnya

: Maros - Sulawesi Selatan

: 2019 - 2021

10	DESKRIPSI		VOLUME/ Qty	SATUAN	Biaya Konstruksi		KETERANGAN
1	имим		۱		1	l e	
	URAIAN						
	Luas area	:	199.846,00	m2			Luas sesuai kontrak
	Perencanaan		1,00	ls	Rp	3.658.550.000	
	Persiapan		1,00	ls	Rp	20.122.930.572	
	Perbaikan Tanah + Galian		126.306,08	m2	Rp	74.332.650.918	
	Apron (Rigid Pavement)	- H :	126.306,08	m2	Rp	148.034.895.426	
	Apron Service Road (Rigid Pavement) Jumlah Parking Stand	:	15.413,52	m2	Rp	18.014.804.795	
	Narrow Body	-	33,00	Pesawat	-		
_							memuat pesawat tipe narrow da
	Wide Body		3,00	Pesawat			wide body
	Konstruksi GSE Road (Rigid Pavement)	:	2.754,70	m2	Rp	3.354.325.041	
	Saluran (drainase)	:	2.412,82	m1	Rp	25.314.326.278	
	Apron Flood Light (AFL)	:					
	Pengadaan Baru		13,00	Unit	Rp	5.047.957.844	
	Relokasi dan Modifikasi		10,00	Unit	Rp	144.043.011	
	Pengadaan AFL Temporary		12,00	Unit	Rp	131.583.050	
	Spot Number Light (SNL)		27,00	Unit	Rp	669.291.114	
	Sistem elektrikal		1,00	ls	Rp	3.067.697.975	
-	Infrastruktur Penunjang		1,00 1,00	ls Is	Rp	6.177.693.802	
-	Perlengkapan Fasilitas penunjang	-	1,00	15	Rp	4.158.026.000	
	Jalan Akses Pertamina		1.188,70	m2	Rp	982.337.784	1
	Pos Jaga + Kanopi	-	211,51	m2	Rp	369.350.282	+
-	Jet Blast Deflector	-	1,00	ls	Rp	5.057.354.307	
-	Pagar	:	863,65	m'	Rp	2.000.779.282	
	Rumput	:	15.414,97	m2	Rp	954.094.339	<u> </u>
-		+	10.717,01		1	3333 7.000	
						l.	ı
2.	KONSTRUKSI GSE - GROUND SUPPORT EQUIPM	ENT (Ri	gid Pavement)				
	Tebal urugan P-154 (Non crushed agregat)	1:	413,21	m3			
	Tebal :		15	cm			
	Туре :		Non Plastis				
	Quarry :		Bili - bili				
	Density :		> 20	%			
	Tebal urugan P-209 (crushed agregat)	:	819,33	m3			
	Tebal :		30	cm			
	Type :		Non Plastis				
	Quarry :		Bili - bili				
	Density :		> 80	%			
	Tebal urugan P-304 (CTB)	:	413,21	m3			
	Tebal :		15	cm			
	Type :		Non Plastis				
	Merek :		WBP	0/			
	Density :		100 - 150	%			
_	Mutu Besi (rebar/stek dowel/wiremesh)		240, 550 32	Мра	-		
	Besi dowel (ukuran / diameter) Type :		32	mm			
-	Nerek :	-	- Krakatau Steel		1		+
+	Besi wiremesh (ukuran / diameter)	:	6	mm	1		
=	Type :	+	M6	111111	1		<u> </u>
-	Merek :		Togo Mesh		1		<u> </u>
	Mutu Beton perkerasan (Kuat tekan fc')	:	35	Мра	1		
	Mutu Beton perkerasan (Flextural strength fs)	+	4,28	Мра	1		
	Dimensi/tebal perkerasan	:	500	mm	1		
	Type :		Cast in Site		1		
			WBP, Wika Beton,				
	Merek :		Bosowa, Varia				
	Material marka (tipe/jenis)	:					
	Туре :		Jotaline Paint		ļ		
	Merek :		Jotun Paint		<u> </u>		
	Sealant (tipe/jenis)	:	1	cm			
	Type :	_	thioflex 600		1		
4	Merek :		Fosroc		-		
_	Dawhailtan Tanah				1		
5 .	Perbaikan Tanah	Π.	004 000 70	m: 0	1		
4	Tanah timbunan pilihan	- :	221.063,76	m3	1		
-	Density :		6	%	1		
-	Quarry :	-	Gowa		1		
-	Mini Dilo		9 976 00		1		
4	Mini Pile	-	3.276,00 25x25x300 cm		1		
	Type : Merek :	-	Kalla Beton		1		+
J	Gabion Wall		136,70				
			Kawat galvanish dia 3-4				
	Туре :		mm, kuat tarik 41-53		1		
4	Quary :	-	kg/mm2		1		
	CAUGIV .	1	Mccaferry		1		1

I JAYA CM	DATA TEKNIS PROYEK	Nomor : Halaman :
BIRO ENGINEERING	TRANSPORTASI	Tanggal :

I					
lacan		771.00			T
CCSP	\longrightarrow	774,00			
Type :		Tipe W350 dg moment			
**	\longrightarrow	crack 17 tonm			
Quary :		Wika Beton			
Geotextil	:	222.417,43	m2		
Tebal :		3	mm		
	-++	Non Woven 38 KN/m			
Type :	\longrightarrow				
Merek :		Ecomat			
4. APRON (Rigid Pavement)					
			_	1	
Tebal urugan P-154 (Non crushed agregat)	:	10.711,41	m3		
Tebal :		15	cm		
Type :		Non Plastis			
Merek :	-++	Bili - bili			
	-				
Density :		> 20	%		
Tebal urugan P-209 (crushed agregat)		36.173,03	m3		
Tebal :		30	cm		
Type :		Non Plastis			
	\longrightarrow				
Merek :		Bili - bili			
Density :		> 80	%		
Tebal urugan P-304 (CTB)		18.086,52	m3		
Tebal :		15	cm		
	$\longrightarrow \longmapsto$		OIII	1	
Type :		Non Plastis			
Merek :		WBP		<u> </u>	
Density :		100 - 150	%	1	
Mutu Besi (rebar/stek dowel/wiremesh)	1:1	240, 550	Мра	1	
				 	
Besi dowel (ukuran / diameter)	:	32	mm	ļ	1
Type :		-		 <u></u>	<u> </u>
Merek :		Krakatau Steel		1	
Besi wiremesh (ukuran / diameter)		6	mm	1	
	-+		111111		
Type :		M6			
Merek :		Togo Mesh			
Mutu Beton perkerasan (Kuat tekan fc')		35	Мра		
Mutu Beton perkerasan (Flextural strength fs)		4,28	Мра		
	- 				
Dimensi/tebal perkerasan	:	500	mm		
Type :		Cast in Site			
		WBP, Wika Beton,			
Merek :		Bosowa, Varia			
Nantanial manda (tip a figuria)		Boooma, vana			
Material marka (tipe/jenis)	— ·				
Type :		Jotaline Paint			
Merek :		Jotun Paint			
					lahan
	:	1	cm		liebar
Sealant (tipe/jenis)	- :	1 thiofley 600	cm		lebar
Sealant (tipe/jenis) Type :	:	thioflex 600	cm		lepar
Sealant (tipe/jenis)	:		cm		lebar
Sealant (tipe/jenis) Type :	:	thioflex 600	cm		lebar
Sealant (tipe/jenis) Type :	:	thioflex 600	cm		ledar
Sealant (tipe/jenis) Type : Merek :	:	thioflex 600	cm		ledar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement)		thioflex 600 Fosroc			letar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat)		thioflex 600 Fosroc	m3		ledar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement)		thioflex 600 Fosroc 2.312,05			ledar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat)	:	thioflex 600 Fosroc	m3		letar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type :	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis	m3		ledar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type : Merek :	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili	m3 cm		ledar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density:		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20	m3 cm		lettar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat)		2.312,05 15 Non Plastis Bili - bili > 20 4.624,04	m3 cm % m3		ledar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density:		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20	m3 cm		ledar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal :		2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30	m3 cm % m3		lettar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal : Type: Tebal urugan P-209 (crushed agregat) Tebal : Type:		2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis	m3 cm % m3		letar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal: Type: Merek:		2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili	m3 cm % m3 cm		ledar
Sealant (tipe/jenis) Type Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal Type Merek Density Tebal Type Merek Density Tebal Type Merek Density Tebal Type Merek Density	:	2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80	m3 cm % m3 cm		lettar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal Type Merek Density Tebal : Type Merek Density :		### Thioflex 600 Fosroc	m3 cm % m3 cm		letar
Sealant (tipe/jenis) Type Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal Type Merek Density Tebal Type Merek Density Tebal Type Merek Density Tebal Type Merek Density	:	2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80	m3 cm % m3 cm		letar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal urugan P-209 (crushed agregat) Tebal : Type Density Tebal : Type Tebal : Tebal urugan P-304 (CTB) Tebal :	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05	m3 cm % m3 cm		lettar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal : Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal : Type: Tebal urugan P-304 (CTB) Tebal :	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis	m3 cm % m3 cm		letar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal : Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal: Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal: Type: Merek:	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP	m3 cm % m3 cm % m3 cm		leidar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal : Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal: Type: Merek: Density:		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150	m3 cm % m3 cm % m3 cm %		leidar
Sealant (tipe/jenis) Type: Merek: 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal: Type: Merek: Density: Tebal urugan P-209 (crushed agregat) Tebal : Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal: Type: Merek: Density: Tebal urugan P-304 (CTB) Tebal: Type: Merek:	:	thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP	m3 cm % m3 cm % m3 cm		letar
Sealant (tipe/jenis) Type Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type Merek Density : Tebal urugan P-209 (crushed agregat) Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density : Tebal : Type Merek : Density : Tebal urugan P-304 (CTB) Tebal : Type Merek : Density : Tebal : Type Merek : Density : Tebal urugan P-304 (CTB) Tebal : Type Merek : Density : Mutu Besi (rebar/stek dowel/wiremesh)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150	m3 cm % m3 cm % m3 cm % Mpa		leidar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density Tebal : Type Merek Density : Tebal urugan P-304 (CTB) Tebal : Type Density Tebal : Type Merek Density : Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32	m3 cm % m3 cm % m3 cm %		leidar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type Merek Density Tebal : Type Merek Density Mus Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type :		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32	m3 cm % m3 cm % m3 cm % Mpa		letar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type : Merek : Density : Tebal urugan P-209 (crushed agregat) Tebal : Type : Merek : Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type : Merek : Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal ithus		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel	m3 cm % m3 cm cm % Mpa mm		leidar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type Merek : Density : Tebal urugan P-209 (crushed agregat) Tebal : Type Merek : Density : Tebal urugan P-209 (crushed agregat) Tebal : Type Merek : Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type Merek : Density : Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type Merek : Besi wiremesh (ukuran / diameter)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6	m3 cm % m3 cm % m3 cm % Mpa		leidar
Sealant (tipe/jenis) Type : Merek : 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type : Merek : Density : Tebal urugan P-209 (crushed agregat) Tebal : Type : Merek : Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type : Merek : Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal ithus		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel	m3 cm % m3 cm cm % Mpa mm		letzar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type Merek Density : Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density : Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type Merek Density : Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type : Merek Besi wiremesh (ukuran / diameter)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6 M6	m3 cm % m3 cm cm % Mpa mm		IEDAT
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type : Merek Density : Tebal urugan P-209 (crushed agregat) Tebal : Type : Merek Density : Tebal urugan P-304 (crushed agregat) Tebal : Type : Merek Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type : Merek Density : Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type : Merek Besi wiremesh (ukuran / diameter) Type : Merek Besi wiremesh (ukuran / diameter) Type : Merek Besi wiremesh (ukuran / diameter)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6 M6 Togo Mesh	m3 cm % m3 cm % m3 cm % Magain mm mm		letzar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal : Type Merek Density: Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type Merek Density Tebal : Type Merek Density Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type Merek Density Density Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type Merek Besi wiremesh (ukuran / diameter) Type Merek Merek Besi wiremesh (ukuran / diameter) Type Merek		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6 M6 Togo Mesh 35	m3 cm % m3 cm cm % Mpa mm Mpa		letzar
Sealant (tipe/jenis) Type Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal Type Merek Density Tebal urugan P-209 (crushed agregat) Tebal urugan P-209 (crushed agregat) Tebal i Type Merek Density Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal i Type Merek Density Tebal i Type Merek Density Besi dowel (ukuran / diameter) Type Merek Besi wiremesh (ukuran / diameter) Type Merek Mutu Beton perkerasan (Kuat tekan fc') Mutu Beton perkerasan (Flextural strength fs)		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6 M6 Togo Mesh 35 4,28	m3 cm % m3 cm % m3 cm % Magain mm mm		IEDAT
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Sealant (tipe/jenis) Type Merek Merek 5. APRON SERVICE ROAD (Rigid Pavement) Tebal urugan P-154 (Non crushed agregat) Tebal : Type : Merek Density : Tebal urugan P-209 (crushed agregat) Tebal : Type : Merek Density : Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal urugan P-304 (CTB) Tebal : Type : Merek Density : Mutu Besi (rebar/stek dowel/wiremesh) Besi dowel (ukuran / diameter) Type Merek Besi wiremesh (ukuran / diameter) Type Merek Mutu Beton perkerasan (Flextural strength fs) Dimensi/tebal perkerasan Type : Merek Material marka (tipe/jenis) Type : Merek Sealant (tipe/jenis) Type :		thioflex 600 Fosroc 2.312,05 15 Non Plastis Bili - bili > 20 4.624,04 30 Non Plastis Bili - bili > 80 2.312,05 15 Non Plastis WBP 100 - 150 240, 550 32 - Krakatau Steel 6 M6 Togo Mesh 35 4.28 500 Cast in Site WBP, Wika Beton, Bosowa, Varia Jotaline Paint Jotun Paint 1 thioflex 600	m3 cm % m3 cm % Mpa mm Mpa Mpa mm		

☐ JAYA CM	DATA TEKNIS PROYEK	Nomor : Halaman :
BIRO ENGINEERING	TRANSPORTASI	Tanggal :

6. Saluran (Drainase)					
Box culvert (dimensi)	1:	4300x2600	mm		
Type :	- `	SD1		 	<u> </u>
Box culvert (dimensi)	:	2450x1500	mm		
Type :	- ·	SD2	41111	 	+
Split gully (dimensi)		1200 x (1000 - 1400)	mm		
Type :		1200 X (1000 - 1400)	111111		
U- shape (dimensi)	:	1200 x (1350 - 1750)	mm		
Type :		,			
Steel Grating Galvanized (dimensi)	:	200x600	mm		
Type :		-			
Merek :		local			
7. ELEKTRIKAL					
Outgoing Medium Voltage Panel, MCSG 24 kV Outgo	oing (
VCB 630 A/CT/ES)	:	N/A	unit		
Merek :		N/A			
Tegangan :		N/A	kV		
Frekuensi :		N/A	Hz		
Peak Current :		N/A	kA		
Kabel tegangan menengah	:	N/A	m'		
•			111		
Merek :		N/A			
Type :		N/A			
Apron Distribution Panel Merek :	- :	N/A N/A	unit	+	
Trafo :		N/A N/A	kVA	 	
Frekuensi :	- -	N/A	Hz	 	
					Zana 2 dan Zerri 2
Panel Main Distribution Panel (MDP)	:	2	unit		Zone 3 dan Zone 2
Panel Sub Distribution Panel (SDP)	\neg	4	Unit		Zone 1, Zone 2, Zone 3 dan Zone 4
and our ristingtion rand (our)		4	JIIIL		
Panel Flood Light (P-FL)	\neg	17	Linit		Zone 2 12 Unit, Zone 3 1 Unit, Zone
and Hood Light (F-1 L)			Unit		4 Unit
Merek	T	Schneider	· · · · · · · · · · · · · · · · · · ·		
Туре		Outdoor			
Tiang Flood Light					
Height :		15	m	 	17 Unit zone 2 dan zone 4
rieigiit .		22			
Time			m		4 Unit Zone 3
Type : Merek :		High Mast Pole PT.Helory			
Lighting LED		F1.Helory			
		EWO F- System 555 W			
Type : Merek :		ADB			
Lumen Output:		60.232	lm		
Luminous .		108,5	lm/W		
Efficacy					
Lumens :		20	Lux		pada jarak 2 m diatas lantai
Origin :		Belgium			
Obstruction Lamp					
Type :		Obstivision LED XGP500			7 Watt
Merek :		ADB			
Light Color :		Red			
Penangkal Petir					
Type :		R.16			
Merek :		FURSE			
Spot Number Light (SNL)	:	30	set		
Type :					
Merek :		Lokal			
Apron Edge Light Inset		N/A	set	 	
Type :	- ·	N/A N/A	301	 	+
Merek :		N/A N/A		 	
Isolating	-+			+	+
Transformer :		N/A			
Primary .				 	
Connector :		N/A			
Connector	$-\!\!\!\!+$			 	
Secondary		NI/A			
Secondary .	1	N/A			
Connector :	, j		unit		
Connector		NI/A		i I	
Connector : Apron Edge Light (AEL)	:	N/A	unit	l l	
Connector : Apron Edge Light (AEL) Type :	:	N/A	unt		
Connector : Apron Edge Light (AEL) Type : Merek : Isolating	:	N/A N/A	unit		
Connector Apron Edge Light (AEL) Type Merek Isolating	:	N/A	uiiit		
Connector Apron Edge Light (AEL) Type : Merek : Isolating Transformer Primary	:	N/A N/A N/A	unit		
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary	:	N/A N/A	unit		
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary	:	N/A N/A N/A N/A	Unit		
Connector Apron Edge Light (AEL) Type: Merek: Isolating Transformer Primary Connector Secondary:	:	N/A N/A N/A	driit		
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector		N/A N/A N/A N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS)	:	N/A N/A N/A N/A N/A	unit		
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type		N/A N/A N/A N/A N/A N/A N/A N/A N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek		N/A N/A N/A N/A N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek Isolating		N/A			
Connector Apron Edge Light (AEL) Type : Merek : Isolating : Transformer : Primary : Connector : Secondary : Connector : Taxiway Guidance Sign (TGS) Type : Merek : Isolating : Transformer :		N/A N/A N/A N/A N/A N/A N/A N/A N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek Isolating Transformer Primary		N/A			
Connector Apron Edge Light (AEL) Type : Merek : Isolating : Transformer : Primary : Connector : Secondary : Connector : Taxiway Guidance Sign (TGS) Type : Merek : Isolating : Transformer :		N/A			
Connector Apron Edge Light (AEL) Type : Merek : Isolating : Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type : Merek : Isolating : Transformer Primary Connector		N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek Isolating Transformer Primary Connector Secondary Connector		N/A			
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek Isolating Transformer Primary Connector Secondary Connector	:	N/A	unit		
Connector Apron Edge Light (AEL) Type Merek Isolating Transformer Primary Connector Secondary Connector Taxiway Guidance Sign (TGS) Type Merek Isolating Transformer Primary Connector Secondary Connector		N/A			



Lampu Perinted							
Meres	•			unit			Desain belum ada
Settern CETV (April National) On Progress Approval		\rightarrow					
Type Co. Progress Approval Co. Progress Approval	Merek :	_					
Mores				unit			
Fished FO		\dashv				-	
Type: Part CCTV		\rightarrow					
More				m'			
Pared CCTV		\dashv					
Type:		\dashv					
Meres On Progress Approval							
Meric Conventer On Progress Approval		_					
Type :							
Nemex	- Media Converter		On Progress Approval				
Name	Type :		On Progress Approval				
Name	Merek :		On Progress Approval				
Type On Progress Approval - Pathocor FO	- Kabel		On Progress Approval				
Merek On Progress Approval -Pattencore FO	Type:	\neg					
Particol FO							
Type :			On Progress Approval				
Merak:		\neg	On Progress Approval				
FISP							
Type :		\neg					
Merek : On Progress Approval		\dashv				†	
Sistem CCTV (Perimeter)		\dashv			<u> </u>	 	
Type :		4				1	
Merek NiA				unit			
Merek	Туре :					Ļ	
NA							6 unit
Type:	Merek :]	N/A				
Type:	- Kabel FO		N/A				
Marek :		\exists				1	
Tipge :		\neg					
Type :		\exists				1	
Merek N/A N/A N/A	-						
- Panel CCTV		-					
Type N/A		-					
Merek N/A		_					
Kabel N/A N/A		_					
Type :							
Merek N/A							
- Obstruction Lamp		_					
Type :							
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