LAMPIRAN-LAMPIRAN

LAMPIRAN I

INSTRUMEN WAWANCARA PENELITIAN

(1)

ANALISIS RISIKO KECELAKAAN KERJA MENGGUNAKAN METODE BOWTIE PADA PROYEK PEMBANGUNAN JEMBATAN PANDANSIMO

INSTRUMEN WAWANCARA PENELITIAN

Profil Responden.

Nama	: Ir. YOGA ADI PRATAMA, ST., MT.
Masa Kerja	: 16 Tahun
Jabatan	: PROJECT MANAGER
Waktu Wawancara	: 22 JUNI 2025
Tempat Wawancara	: KANTOR DIREKSI KEET ADHI-SWS-(KSO).

PROGRAM STUDI TEKNIK SIPIL

FAKULTAS TEKNIK

UNIVERSITAS GALUH

CIAMIS

2025

No	Indikator Pernyataan	Sangat Tidak Setuju (1)	Tidak Setuju (2)	Netral (3)	Setuju (4)	Sangat Setuju (5)
A	**Pekerjaan Persiapan**					
P1	Tertabrak Alat Berat/Kendaraan Proyek			✓		
P2	Tergelincir pada saat menaikan/memindahkan material			✓		
P3	Cedera / Luka gores		✓			
B	**Pekerjaan Tanah dan Geosintetik**					
P4	Tertimbun material galian akibat longsoran tanah				✓	
P5	Tertabrak alat berat pada saat pekerjaan galian					✓
P6	Tertimbun material timbunan lunak					✓
P7	Potensi tergelincir atau terjatuh akibat area pekerjaan yang licin atau tidak rata				✓	
C	**Pekerjaan Struktur Bawah**					
P8	Potensi terpeleset diarea pekerjaan bore pile didarat akibat lumpur dan air tanah				✓	
P9	Potensi terjatuh, tenggelam. Terbawa arus air pada saat pekerjaan bore pile di air			✓		
P10	Potensi Terjatuh dari ketinggian pada saat pekerjaan pembesian pilar/abutmen jembatan			✓		✓
P11	Potensi tertusuk material tajam pada saat pekerjaan pembesian pedestal					✓

No	Indikator Pernyataan	Sangat Tidak Setuju (1)	Tidak Setuju (2)	Netral (3)	Setuju (4)	Sangat Setuju (5)
P12	Potensi tertimpa material Corrugated Steel Plate (CSP) akibat sling Crawler Crane putus			✓		
D	**Pekerjaan Struktur Atas**					
P13	Potensi Tertimpa Material Girder akibat beban melebihi safety faktor sling/shackle pada Crawler Crane			✓		
P14	Potensi Bekisting Roboh akibat material tidak sesuai				✓	
P15	Luka sayat pada bagian tangan akibat ujung besi tajam pada pekerjaan baja tulangan dan pengikatan baja tulangan secara manual					✓
P16	Potensi terjatuh akibat pekerjaan diatas elevasi tinggi					✓
P17	Luka bakar dan gangguan pernafasan pada pekerjaan perkerasan jalan					✓
E	**Pekerjaan Harian**					
P18	Potensi kerusakan mata akibat tidak menggunakan kacamata safety pada saat pekerjaan welding					✓
P19	Potensi Jatuh dari ketinggian akibat perancah tidak sesuai standar					✓

Terimakasih kepada para responden yang telah mengisi kuisioner ini, mohon dimaafkan jika ada perlakuan dan ucapan dari saya yang tidak baik.

LAMPIRAN II
INSTRUMEN KUISIONER PENELITIAN
(LIKELIHOOD & SEVERITY)

(1)

ANALISIS RISIKO KECELAKAAN KERJA MENGGUNAKAN METODE BOWTIE PADA PROYEK PEMBANGUNAN JEMBATAN PANDANSIMO

INSTRUMEN KUISIONER PENELITIAN

(LIKELIHOOD & SEVERITY)

Profil Responden.

Nama	: Ir. YOGA ADI PRATAMA. S.T., M.T.
Masa Kerja	: 16 Tahun
Jabatan	: PROJECT MANAGER
Waktu Wawancara	: 24 JUNI 2025
Tempat Wawancara	: KANTOR DIREKSI KEET ADHI-SUS-(KSO).

PROGRAM STUDI TEKNIK SIPIL

FAKULTAS TEKNIK

UNIVERSITAS GALUH

CIAMIS

2025

1.PETUNJUK PENGISIAN KUISIONER

Dalam pengisian kuisioner ini para responden diharapkan untuk memilih pilihan yang ada, pilihlah dengan membuat tanda check (√) pada kolom yang telah tersedia.

Keterangan Skala untuk Tingkat Likelihood adalah sebagai berikut.

TINGKAT LIKELIHOOD	URAIAN	DEFINISI URAIAN
0	HAMPIR PASTI TERJADI	DAPAT TERJADI SETIAP SAAT DALAM KONDISI NORMAL
1	SERING TERJADI	TERJADI BEBERAPA KALI DALAM WAKTU TERTENTU
2	DAPAT TERJADI	RISIKO DAPAT TERJADI NAMUN TIDAK SERING
3	KADANG-KADANG	KADANG TERJADI
4	JARANG SEKALI	DAPAT TERJADI DALAM WAKTU TERTENTU

Keterangan **Skala** untuk Tingkat Keparahan adalah sebagai berikut.

TINGKAT SEVERITY	URAIAN	DEFINISI URAIAN
0	TIDAK SIGNIFIKAN	KEJADIAN TIDAK MENIMBULKAN KERUGIAN ATAU CEDERA PADA MANUSIA
1	KECIL	MENIMBULKAN CEDERA RINGAN, KERUGIAN KECIL, DAN TIDAK MENIMBULKAN DAMPAK SERIUS
2	SEDANG	CEDERA BERAT DAN PERLU PERAWATAN RUMAH SAKIT, TIDAK MENIMBULKAN CACAT TETAP, KERUGIAN FINANSIAL SEDANG
3	BERAT	MENIMBULKAN CEDERA PARAH DAN CACAT TETAP, KERUGIAN FINANSIAL BESAR
4	BENCANA	MENGAKIBATKAN KORBAN MENINGGAL DAN KERUGIAN PARAH BAHKAN DAPAT MENGHENTIKAN KEGIATAN

No	Hazard	Risk	Likelihood					Severity				
			0	1	2	3	4	0	1	2	3	4
A	**Pekerjaan Persiapan**											
1	Pergerakan (aktivitas operasional) Alat Berat dan Kendaraan Proyek	Tertabrak Alat Berat/Kendaraan Proyek			✓				✓			
2	Jalan akses pekerjaan mobilisasi tidak rata/sempit	Tergelincir pada saat menaikan/memindahkan material			✓					✓		
3	Penggunaan alat yang tajam atau berat	Cedera / Luka gores		✓						✓		
B	**Pekerjaan Tanah dan Geotekstil**											
4	Longsoran tanah	Tertimbun material galian			✓				✓			
5	Penggunaan alat berat (Excavator,Buldozer)	Tertabrak Alat Berat		✓					✓			
6	Material timbunan tidak stabil	Tertimbun material timbunan lunak		✓						✓		
7	Permukaan area pekerjaan licin/tidak rata	Tergelincir/terjatuh	✓							✓		
C	**Pekerjaan Struktur Bawah Jembatan**											
8	Lumpur dan air tanah	Terpeleset diarea kerja yang licin			✓					✓		
9	Arus air sungai	Potensi terjatuh, tenggelam, terbawa arus			✓				✓			
10	Pekerjaan diketinggian	Terjatuh dari ketinggian			✓					✓		
11	Penulangan dan pengecoran beton	Tertusuk besi/tertimpa beton	✓							✓		
12	Penggunaan alat berat (Crawler Crane)	Potensi tertimpa material Corrugated Steel Plate (CSP) akibat sling crane putus			✓						✓	
D	**Pekerjaan Struktur Atas Jembatan**											
13	Sling, shackle putus	Tertimpa material jatuh			✓					✓		

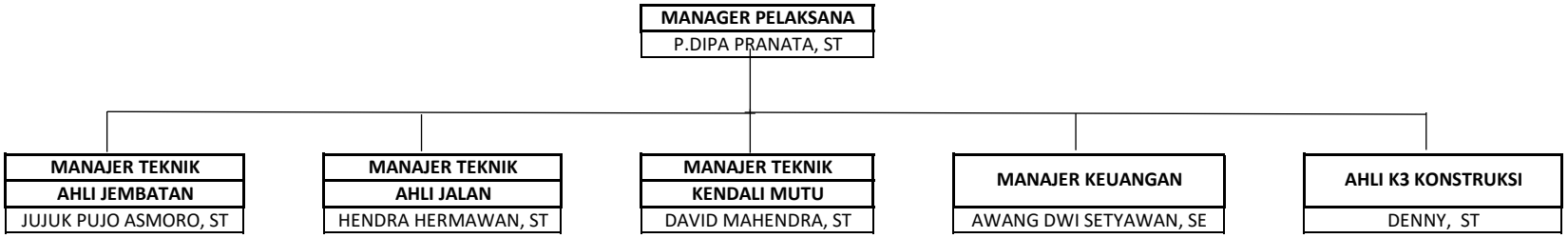
No	Hazard	Risk	Likelihood					Severity				
			0	1	2	3	4	0	1	2	3	4
14	Bekisting roboh	Tertimpa beton/bekisting roboh			✓						✓	
15	Ujung besi tajam dan terbuka	Luka tusuk/sayat			✓				✓			
16	Pekerjaan diatas elevasi tinggi	Jatuh dari lantai kerja			✓			✓				
17	Material panas bersuhu tinggi	Luka Bakar dan gangguan pernafasan			✓					✓		
E	**Pekerjaan Harian**											
18	SinarUV dari busur las	Kerusakan mata			✓					✓		
19	Pekerjaan diketinggian	Jatuh dari tangga/perancah		✓							✓	

Terimakasih kepada para responden yang telah mengisi kuisioner ini, mohon dimaafkan jika ada perlakuan dan ucapan dari saya yang tidak baik.

LAMPIRAN III

STRUKTUR ORGANISASI PROYEK JEMBATAN PANDANSIMO

STRUKTUR ORGANISASI
PEMBANGUNAN JEMBATAN PANDANSIMO
KAB. BANTUL, D.I. YOGYAKARTA



SUDIYAT MIKO
Kuasa KSO

LAMPIRAN IV

GAMBAR DED JEMBATAN PANDANSIMO

JEMBATAN PANDANSIMO

GAMBAR DESAIN

TAHUN : 2022

KEMENTERIAN PEKERJAAN UMUM DAN PERUMAHAN RAKYAT
D I R E K T O R A T J E N D E R A L B I N A M A R G A
BALAI BESAR PELAKSANAAN JALAN NASIONAL JAWA TENGAH - D.I. YOGYAKARTA
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL PROVINSI D.I. YOGYAKARTA
JL. RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA, TELP. 0274-488583, KODE POS 55284

LEMBAR PENGESAHAN

PEKERJAAN :
DESAIN JEMBATAN PANDANSIMO

Bertanggung jawab atas perencanaan :

Perencana	Perencana	Perencana	Perencana
Arvila Delitriana	Dodi Nurahmat	~~Gregorius Antar Awal~~	Saepul
TA Struktur	TA Jalan Raya	TA Arsitektur Jembatan	TA Hidro

Disetujui oleh :
Pejabat Pembuat Komitmen
Perencanaan Jalan Nasional
D.I. Yogyakarta

Uline Sariska Werdani
NIP. 19820812 200912 2 001

Mengetahui :
Kepala Satuan Kerja
Perencanaan dan Pengawasan Jalan Nasional
D.I. Yogyakarta

Yusuf Adinegoro
NIP. 19790620 200502 1 001

Mengetahui :
Kepala Balai Besar
Pelaksanaan Jalan Nasional
Jawa Tengah - D.I Yogyakarta

Wida Nurfaida
NIP. 19640801 199603 1 001

KEMENTERIAN PEKERJAAN UMUM & PERA
DIREKTORAT JENDERAL BINA MARGA
BALAI BESAR PELAKSANAAN JALAN NASIONAL JATENG DIY
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL
DAERAH ISTIMEWA YOGYAKARTA
JALAN RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA (0274) 488583

PAKET PEKERJAAN
Desain Jembatan Pandansimo

No. Paket	:
No. Ruas	:
Nama Ruas	: Ngremang - Pandansimo
Provinsi	: D.I. Yogyakarta

PERENCANA

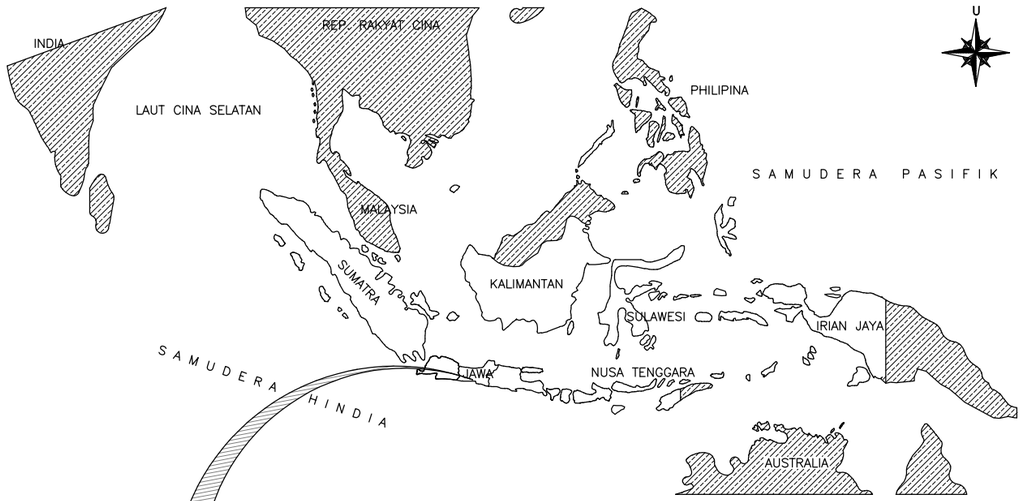
DIgambar	DIrencanakan	DIperiksa
Iwan Kurniawan	Aminudin., ST	Dodi Nurahmat, ST.,MT
Juru Gambar	Ahli Lalu Lintas	Ketua Tim

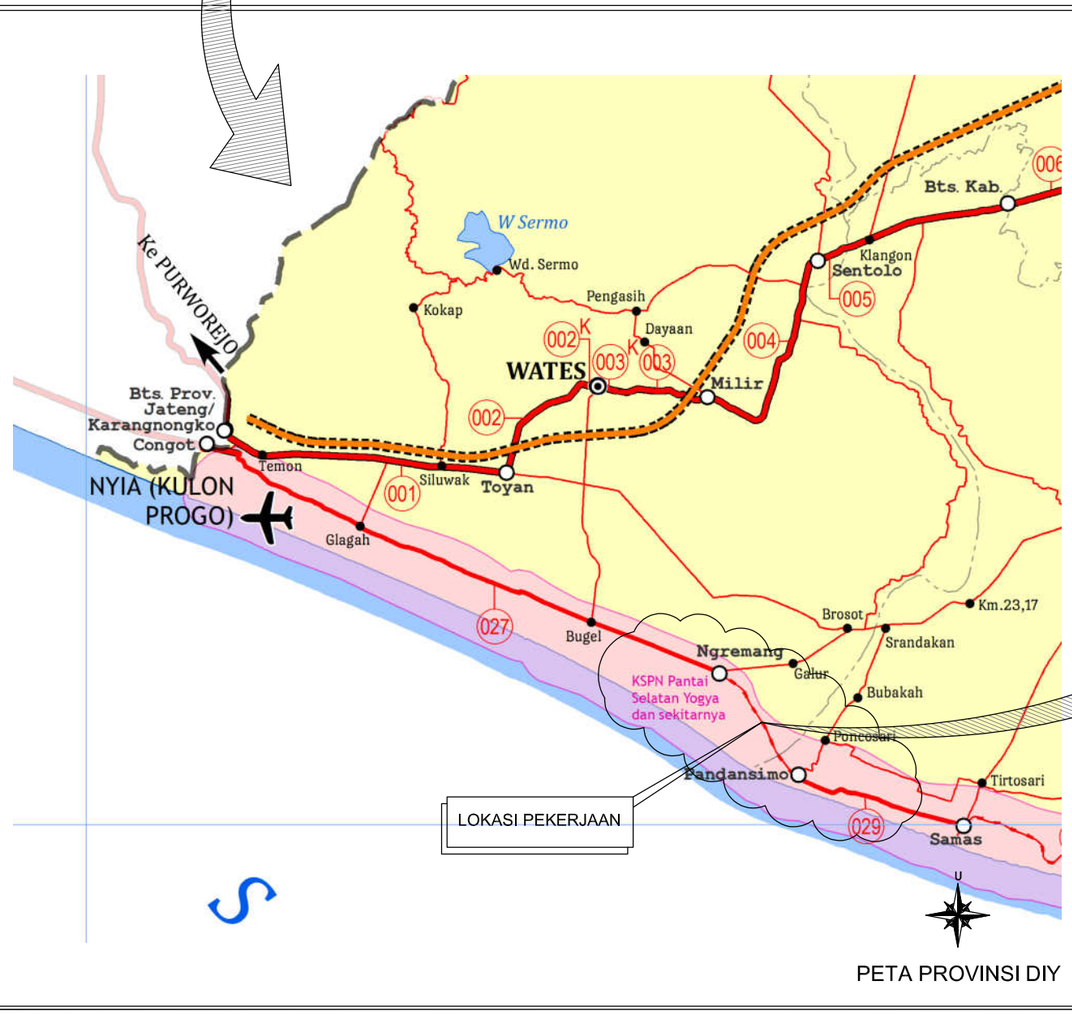
Judul Gambar :

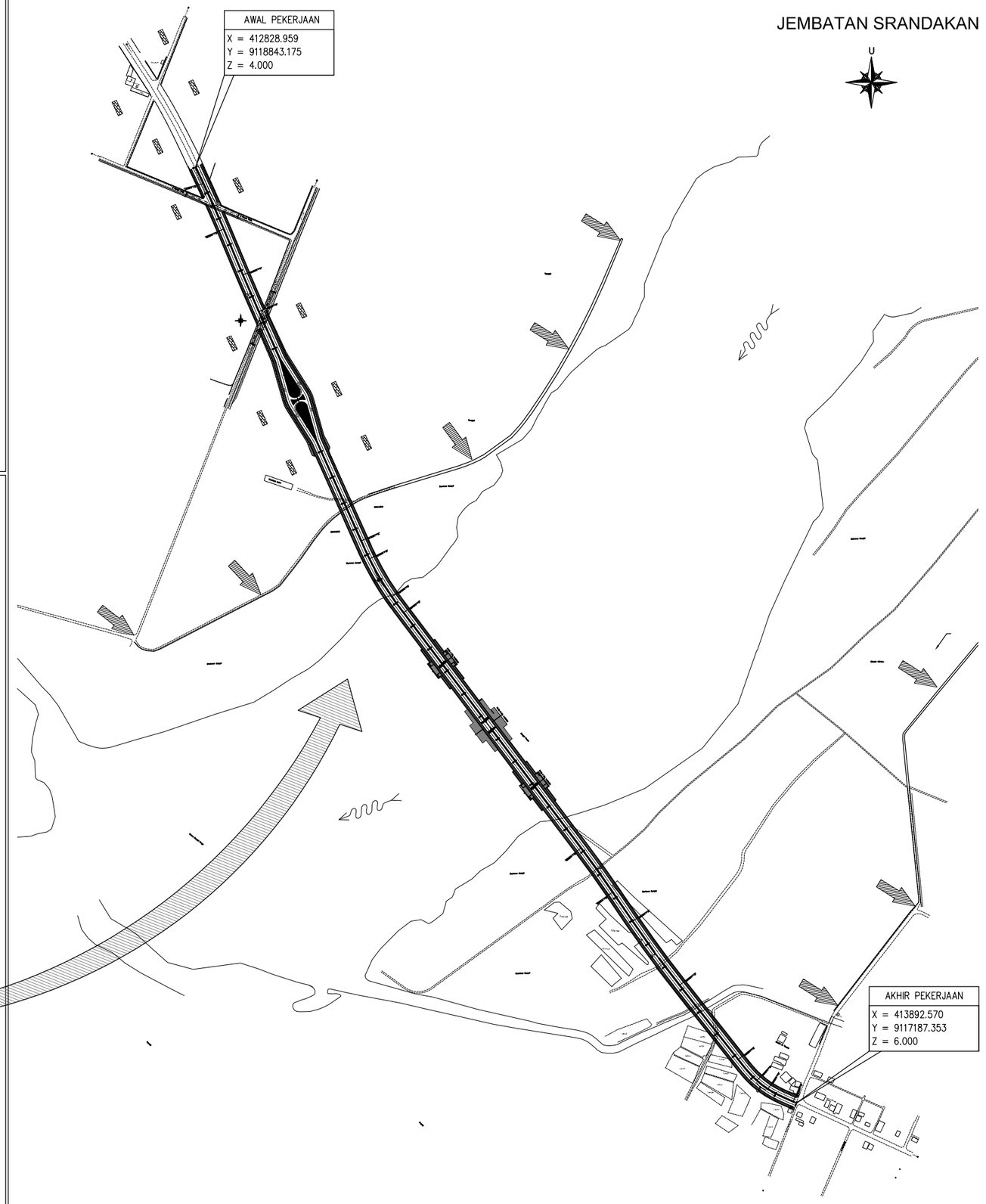
PETA LOKASI PEKERJAAN

No. Lembar : A-12

Jml. Lembar : 14







KEMENTERIAN PEKERJAAN UMUM & PERA
DIREKTORAT JENDERAL BINA MARGA
BALAI BESAR PELAKSANAAN JALAN NASIONAL JATENG DIY
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL
DAERAH ISTIMEWA YOGYAKARTA
JALAN RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA (0274) 488583

PAKET PEKERJAAN
Desain Jembatan Pandansimo

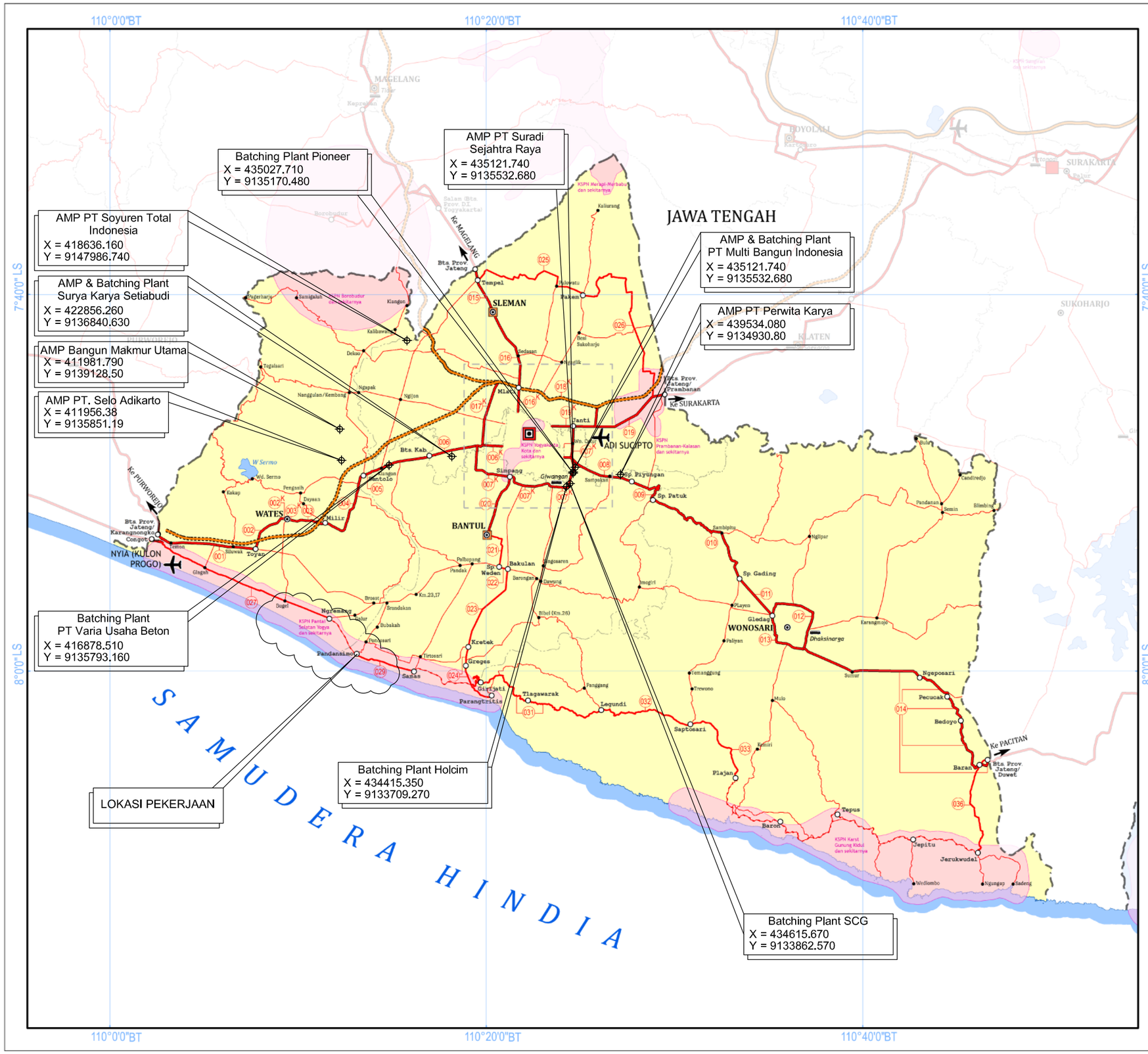
No. Paket	:
No. Ruas	:
Nama Ruas	: Ngremang - Pandansimo
Provinsi	: D.I. Yogyakarta

PERENCANA

Digambar	Direncanakan	Diperiksa
Iwan Kurniawan	Aminudin., ST	Dodi Nurahmat, ST., MT
Juru Gambar	Ahli Lalu Lintas	Ketua Tim

Judul Gambar :
PETA QUARRY

No. Lembar : A-13
Jml. Lembar : 14



KEMENTERIAN PEKERJAAN UMUM DAN PERUMAHAN RAKYAT
DIREKTORAT JENDERAL BINA MARGA

15. PROVINSI D.I. YOGYAKARTA (26)

PROVINSI D.I. YOGYAKARTA

U
SKALA 1 : 1.350.000
0 4,5 9 18 Km

Proyeksi : Grid Geografis
Ellipsoid Referensi : WGS 1984
Sistem Grid : Grid Geografi

LEGENDA :

KOTA
- Ibukota Provinsi
- Ibukota Kabupaten
- Simpul Jalan Nasional
- Simpul Jalan Lainnya

BATAS WILAYAH
- Batas Negara
- Batas Provinsi
- Batas Kabupaten

PUSAT KEGIATAN
- Pusat Kegiatan Nasional (PKN)
- Pusat Kegiatan Wilayah (PKW)
- Pusat Kegiatan Strategis Nasional (PKSN)

JARINGAN JALAN

JALAN TOL
- Jalan Tol Operasi
- Jalan Tol Rencana

NOMOR RUAS JALAN
- 046 K 046 1 — Nomor Ruas

JALAN ARTERI PRIMER (JAP)
- JAP
- JAP Belum Tersambung

JALAN KOLEKTOR PRIMER (JKP)
- JKP-1 dan/atau Jalan Strategis Nasional (JSN)
- JKP-1 dan/atau Jalan Strategis Nasional (JSN) Belum Tersambung
- JKP-2 / JKP-3

KAWASAN
- Kawasan Strategis Pariwisata Nasional (KSPN)

PELABUHAN
- Pelabuhan Utama (PU)
- Pelabuhan Pengumpul (PP)
- Pelabuhan Penyeberangan Kelas I
- Terminal Umum Pelabuhan (*Dryport*)

TERMINAL
- Terminal Tipe A

BANDARA
- Pengumpul Primer (PP)
- Pengumpul Sekunder (PS)
- Pengumpul Tersier (PT)

DIAGRAM LOKASI

SUMBER DATA DAN RIWAYAT PETA:
1. Peta Rupa Bumi Indonesia Skala 1:25.000 dan 1:50.000
2. Keputusan Menteri Pekerjaan Umum dan Perumahan Rakyat Nomor 248/KPTS/M/2015 tentang Penetapan Ruas Jalan Dalam Jaringan Jalan Primer Menurut Fungsinya Sebagai Jalan Arteri (JAP) dan Jalan Kolektor-1 (JKP-1)
3. Peraturan Pemerintah Nomor 13 Tahun 2017 tentang Perubahan Peraturan Pemerintah Nomor 26 Tahun 2008 tentang Rencana Tata Ruang Wilayah Nasional
4. Survei Jaringan Jalan Nasional

Diproses Oleh Direktorat Jenderal Bina Marga, 2021

KEMENTERIAN PEKERJAAN UMUM & PERA
DIREKTORAT JENDERAL BINA MARGA
BALAI BESAR PELAKSANAAN JALAN NASIONAL JATENG DIY
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL
DAERAH ISTIMEWA YOGYAKARTA
JALAN RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA (0274) 488583

PAKET PEKERJAAN
Desain Jembatan Pandansimo

No. Paket	:	
No. Ruas	:	
Nama Ruas	:	Ngremang - Pandansimo
Provinsi	:	D.I. Yogyakarta

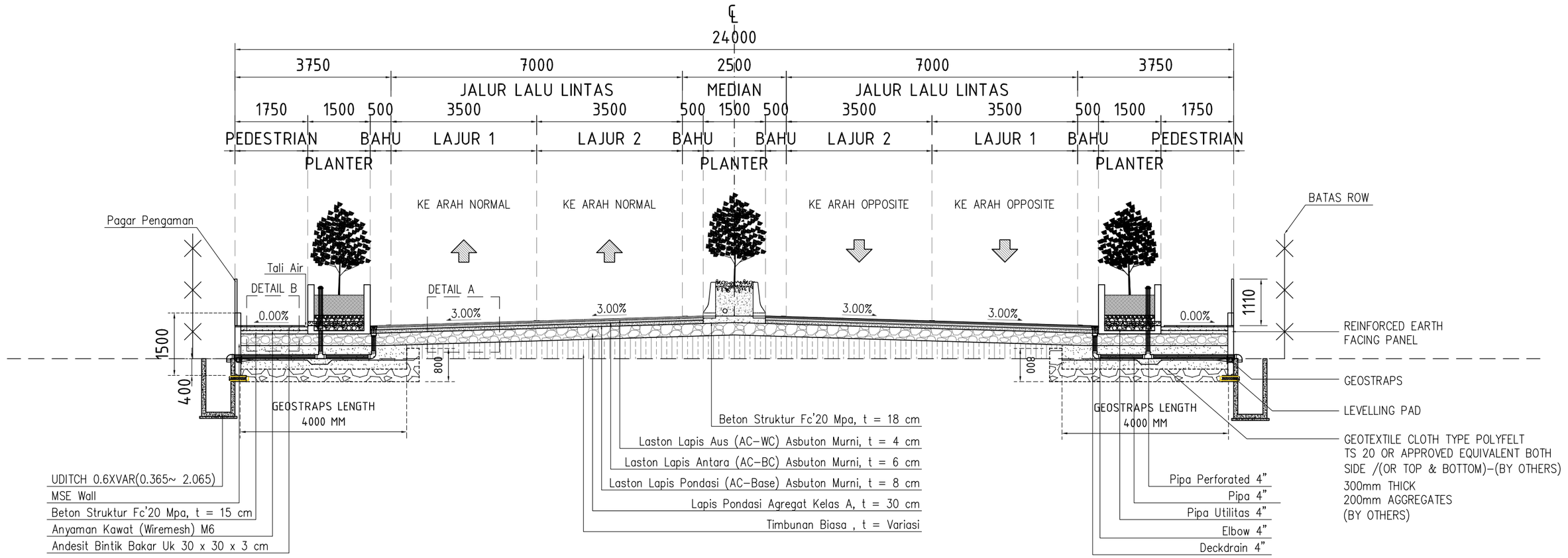
PERENCANA

Digambar	Direncanakan	Diperiksa
Iwan Kurniawan	Aminudin, ST	Dodi Nurahmat, ST.,MT
Juru Gambar	Ahli Lalu Lintas	Ketua Tim

Judul Gambar :
TIPIKAL RENCANA JEMBATAN SRANDAKAN TIPE 1

No. Lembar : B-01

Jml. Lembar : 18



TIPIKAL RENCANA JEMBATAN SRANDAKAN TIPE 1 (OPRIT)

SKALA 1:100

TABEL PENANGANAN TIPIKAL

STATION	PANJANG (km)	KETERANGAN
STA. 0+000 – STA. 0+300	0.300	MSE Wall

KEMENTERIAN PEKERJAAN UMUM & PERA
DIREKTORAT JENDERAL BINA MARGA
BALAI BESAR PELAKSANAAN JALAN NASIONAL JATENG DIY
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL
DAERAH ISTIMEWA YOGYAKARTA
JALAN RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA (0274) 488583

PAKET PEKERJAAN
Desain Jembatan Pandansimo

No. Paket :	PERENCANA		
No. Ruas :	Digambar	Direncanakan	Diperiksa
Nama Ruas : Ngremang - Pandansimo	Iwan Kurniawan Juru Gambar	Aminudin, ST Ahli Lalu Lintas	Dodi Nurahmat, ST.,MT Ketua Tim
Provinsi : D.I. Yogyakarta			

Judul Gambar :
GENERAL NOTE
MSE WALL

No. Lembar : B-07
Jml. Lembar : 18

NOTES:

GENERAL

G1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATION AND DRAWINGS AND DOCUMENTS RELATING TO THIS PROJECT

G2. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE STATED.

G3. ALL SETTING OUT DIMENSIONS, ALIGNMENTS AND LEVELS SHALL BE VERIFIED BY THE MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

MATERIAL

BACKFILL:

M1. THE BACKFILL USED WITHIN THE REINFORCED EARTH BLOCK IS REFERRED TO AS SELECTED BACKFILL.

M2. THE SELECTED BACKFILL IS A GRANULAR MATERIAL. THE SELECTED BACKFILL SHALL BE FREE FROM ORGANIC OR OTHER DELETERIOUS MATERIALS

M3. THE SELECTED BACKFILL IS SUPPLIED BY THE CONTRACTOR

M4. THE SELECTED BACKFILL SHALL EXHIBIT AN ANGLE OF INTERNAL FRICTION OF NOT LESS THEN THE VALUE ADOPTED IN THE DESIGN. THE ANGLE OF INTERNAL FRICTION SHALL BE DETERMINED BY THE STANDARD DIRECT SHEAR TEST AASHTO T-236 ON THE PORTION FINER THAN THE NO. 10 SIEVE, USING A SAMPLE OF THE MATERIAL COMPACTED TO 95 PERCENT OF AASHTO T-99, METHODS C OR D.

M5. THE SELECTED BACKFILL SHALL COMPLY WITH THE FOLLOWING REQUIREMENT

TABLE 1. PROPERTIES OF SELECTED BACKFILL

REQUIREMENT WALLS <10m HIGH		TEST METHOD
MAXIMUM SIZE (mm)	125	AASHTO T-27
% PASSING 102mm (4 in) U.S. SIEVE SIZE	100	AASHTO T-27
% PASSING 0.425mm (NO.40) U.S. SIEVE SIZE	0 – 60	AASHTO T-27
% PASSING 0.075mm (NO.200) U.S. SIEVE SIZE	0 – 15	AASHTO T-27
THE UNIFORMITY COEFFIEIENT (Cu)	> 5	AASHTO T-27
D70 (mm)	> 2	AASHTO T-27
PLASTICITY INDEX (PI)	≤ 6	AASHTO T-90
ACIDITY (PH)	< 9	AASHTO T-289-91

M6. BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR REINFORCED EARTH WALLS TO A TOLERANCE OF 50mm(±) ABOVE THE TIE STRIPS EMBEDDED IN THE PANELS. INSTALLATION OF REINFORCING TIE STRIPS SHALL BE PERMITTED ONLY AFTER PLACEMENT AND COMPACTION OF THE BACKFILL MATERIAL HAS REACHED THE REQUIRED LEVEL.

M7. COMPACTION AND OPERATION EQUIPMENT SHALL BE KEPT A MINIMUM DISTANCE OF 1m FROM THE BACK FACE OF THE REINFORCED EARTH PANELS. COMPACTION WITHIN 1m OF THE REINFORCED EARTH PANELS SHALL BE ACHIEVED WITH AT LEAST THREE (3) PASSES OF A LIGHTWEIGHT MECHANICAL TAMPER, ROLLER OR VIBRATORY SYSTEM. NO COMPACTION DENSITY TESTS SHALL BE TAKEN WITHIN THE 1m ZONE.

PANEL:

M8. FACING PANELS FOR THIS STRUCTURE SHALL BE:
- CRUCIFORM PANELS (140mm-180mm THICK,DEPEND ON HEIGHT OF WALL)
- WITH A PLAIN FINISH

M9. THE MATERIAL PROPERTIES FOR PANEL ARE SPECIFIED AS FOLLOWS:

TABLE 3. MATERIAL STRENGTH FOR PANELS

CONCRETE COVER (EARTH SIDE)	40 mm
CONCRETE STRENGTH FOR PANEL	28 N/mm2
YIELD STRENGTH FOR REINFORCEMENT IN THE PANEL	420 N/mm2

M10. THE STRENGTH FOR MATERIAL SHALL BE EQUAL TO OR LARGER THAN THE VALUE SPECIFIED IN THE ABOVE TABLE

M11. CONCRETE STRENGTH PANEL SHALL ACHIEVE MINIMUM 15 N/mm2 WITHIN 12 – 15 HOURS CURING TIME

M12. THE CONCRETE STRENGTH IS DEFINED AS THE SPECIFIED 28-DAY COMPRESSION STRENGTH BASED ON TEST CYLINDERS

M13. LEGEND FOR PRECAST CONCRETE PANELS ARE PRESENTED AS FOLLOWS:

TYPE/NO. OF TIE POINTS (eg A/2,3).

A/2,3 — INDICATES PANEL TYPE 'A' WITH 2 TIE POINTS (REINFORCEING STRIPS) AT TOP LEVEL AND 3 REINFORCING STRIPS AT BOTTOM LEVEL.

SYNTHETIC REINFORCEMENTS AND CONNECTION ELEMENTS WITHIN THE REINFORCED EARTH BLOCK:

M14. GEOSTRAP®REINFORCEMENTS ARE MADE OF HIGH TENACITY POLYESTER TENDONS CONTAINED IN A POLYETHYLENE SHEATH. THIS SOIL REINFORCEMENT IS PARTICULARLY WELL ADAPTED WHEN THE REINFORCED EARTH®STRUCTURES ARE AFFECTED BY THE PRESENCE OF CHLORIDE OR SULPHATES, OR IN THE CASE OF A LOW PH LEVEL (ACIDIC ENVIRONMENT). THE CHARACTERISTIC TENSILE STRENGTH OF THE STRIP IS VARIES FROM 37.5 KN TO 100 KN

M15. CONNECTION OF GEOSTRAP REINFORCEMENTS TO CONCRETE PANEL IS SHOWN IN FIGURE 2

M16. THE GEOSTRAP REINFORCING STRIPS SHALL BE A MINIMUM OF 50MM WIDTH AND MAXIMUM OF 70MM.. THE STRENGTH OF THE GEOSTRAP IS MEASURED ACCORDING TO THE BS EN ISO 10319-1996 ADAPTED FOR NARROW STRIPS.

TABLE 4. GEOSTRAP 5 CHARACTERISTIC TENSILE STRENGTH

CHARACTERISTIC	UNIT	GRADE 37.5	GRADE 50	GRADE 65	TESTING STANDARDS
FRICTION TIE WIDTH	mm	49.5±5	49.5±5	49.5±5	mm
TENSILE STRENGTH	kN	37.5	50	65	EN ISO 10319 ASTM D6637
CRITICAL ELONGATION	%	≤ 12±4	≤ 12±4	≤ 12±4	ASTM D2256/D885 ISO 2062 BISFA 2004 GB/T 16604

M17. THE MANUFACTURE OF THE GEOSYNTETIC REINFORCEMETNS AND CONNECTION ELEMENTS ARE TO COMPLY WITH PROJECT SPECIFICATION AND STANDARD.

DRAINAGE LAYER:

M18. THE DRAINAGE AGGREGATE IN THE DRAINAGE LAYER SHALL BE A WELL GRADED CRUSHED STONE, WITH SIZE IN RANGE OF 30 – 80 mm.

M19. THE GEOTEXTILE USED IN THE DRAINAGE LAYER SHALL COMPLY WITH THE REQUIREMENT AS FOLLOWS

TABLE 5. MINIMUM PHYSICAL PROPERTY CRITERIA FOR GEOTEXTILE USED IN THE DRAINAGE LAYER

PROPERTY	CRITERIA	TEST METHOD
MASS	150 g/m2	ASTM D 5261
ELONGATION AT BREAK – MACHINE DIRECTION (WARP) – CROSS MACHINE DIRECTION (WEFT)	 > 50 % > 50 %	ASTM D 4595
TENSILE STRENGTH – MACHINE DIRECTION (WARP) – CROSS MACHINE DIRECTION (WEFT)	 8.5 KN/m 4.5 KN/m	ASTM D 4595
GRAB TENSILE STRENGTH – MACHINE DIRECTION (WARP) – CROSS MACHINE DIRECTION (WEFT)	 318 N 295 N	ASTM D 4632
PUNCTURE	1247 N	ASTM D 6241

JOINT MATERIALS:

M20. PROVISION OF RUBBER PADS IN HORIZONTAL JOINTS BETWEEN PANELS SHALL BE MANUFACTURED IN ACCORDANCE TO PROJECT SPECIFICATION AND STANDARD.

M21. THE RUBBER PADS ON EACH ROW OF PANEL SHALL BE PLACED IN ACCORDING TO THE NO. SPECIFIED IN THE DRAWINGS.

M22. PROVISION OF GEOTEXTILE COVERING THE HORIZONTAL AND VERTICAL JOINT SHALL BE MANUFACTURED IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND STANDARD

LEVELING PAD:

M23. THE SIZE OF LEVELING PAD SHALL MEET THE MINIMUM REQUIREMENT SPECIFIED IN THE DRAWING

M24. THE MINIMUM CONCRETE STRENGTH FOR LEVELING PAD SHALL BE 12-20 N/mm2 WHICH IS THE SPECIFIED 28-DAY COMPRESSION STRENGTH BASED ON TEST CYLINDERS

DESIGN

D1. THE DESIGN OF THE REINFORCED EARTH WALLS IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 4TH EDITION 2007.

D2. THE REINFORCED EARTH WALLS ARE DESIGNED FOR SERVICE LIFE (75/100/120) YEARS.

D3. THE EXTERNAL STABILITY IS LIMITED TO SLIDING AND OVERTURNING.

D4. THE TRAFFIC LIVE LOAD ON THE TOP OF WALL IS ACCORDANCE WITH SNI 8460-2017

D5. THE DESIGN ASSUMES THAT THE SELECTED BACKFILL WITHIN THE REINFORCED EARTH BLOCKS AND THE GENERAL COMPACTED BACKFILL USED ELSEWHERE SHALL MEET THE FOLLOWING MINIMUM SOIL STRENGTH PARAMETERS:

TABLE 7. DESIGN SOIL PARAMETER

SOIL	SOIL DENSITY (kN/m3)	EFFECTIVE ANGLE OF INTERNAL FRICTION (DEGREES)	EFFECTIVE COHESION (kPa)
SELECTED BACKFILL WITHIN THE REINFORCED EARTH BLOCKS	19	34	0
GENERAL COMPACTED BACKFILL BEHIND/ TOP OF THE REINFORCED EARTH BLOCKS	19	30	0
FOUNDATION SOIL	19	30	0

D8. THE SELECTED BACKFILL SHALL EXHIBIT AN ANGLE OF INTERNAL FRICTION OF NOT LESS THEN THE VALUE ADOPTED IN THE DESIGN. THE ANGLE OF INTERNAL FRICTION SHALL BE DETERMINED BY THE STANDARD DIRECT SHEAR TEST.

D9. THE FOUNDATION BENEATH REINFORCED EARTH WALLS SHALL BE CERTIFIED AND VERIFIED BY THE GEOTECHNICAL ENGINEER TO RESIST THE MAXIMUM BEARING PRESSURE IMPOSED FROM THE REINFORCED EARTH WALLS AS SPECIFIED IN THE DRAWINGS.

FOUNDATION

F1. THE REINFORCED EARTH WALLS SHALL BE FOUNDED ON THE STATRUM THAT IS SPECIFIED IN THE DRAWING OR BETTER MATERIAL

F2. UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED ROCK FILL TO THE EXTENT SPECIFIED IN THE DRWAING TO ENSURE SATISFACTORY FOUNDATION.

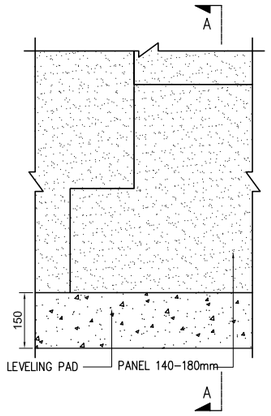


FIGURE 1

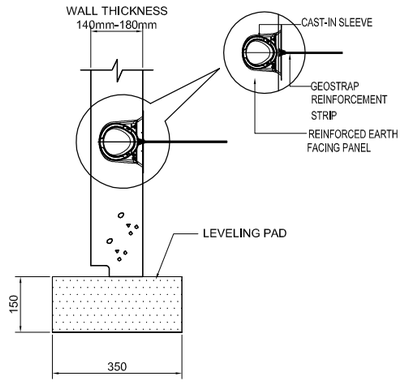


FIGURE 2 (SECTION A-A)

KEMENTERIAN PEKERJAAN UMUM & PERA
DIREKTORAT JENDERAL BINA MARGA
BALAI BESAR PELAKSANAAN JALAN NASIONAL JATENG DIY
SATUAN KERJA PERENCANAAN DAN PENGAWASAN JALAN NASIONAL
DAERAH ISTIMEWA YOGYAKARTA
JALAN RING ROAD UTARA MAGUWOHARJO, DEPOK, SLEMAN, YOGYAKARTA (0274) 488583

PAKET PEKERJAAN
Desain Jembatan Pandansimo

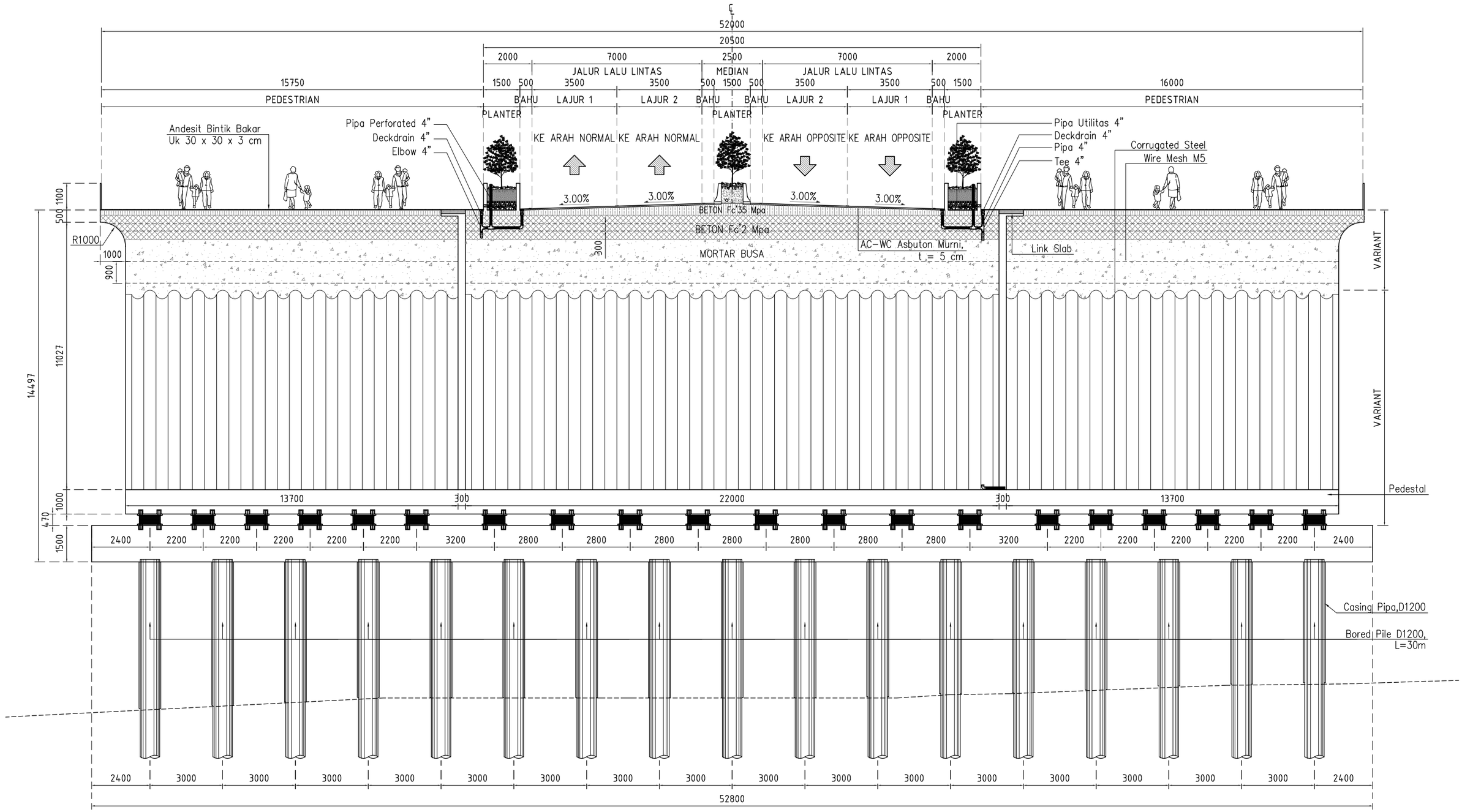
No. Paket	:	
No. Ruas	:	
Nama Ruas	:	Ngremang - Pandansimo
Provinsi	:	D.I. Yogyakarta

PERENCANA

Digambar	Direncanakan	Diperiksa
Iwan Kurniawan	Aminudin, ST	Dodi Nurahmat, ST.,MT
Juru Gambar	Ahli Lalu Lintas	Ketua Tim

Judul Gambar :
TIPIKAL SRANDAKAN PLAZA B
(JEMBATAN UTAMA)

No. Lembar : B-14
Jml. Lembar : 18



TIPIKAL SRANDAKAN PLAZA B
SKALA 1:150

TABEL PENANGANAN TIPIKAL

STATION	PANJANG (km)	KETERANGAN
STA. 1+102.589 – STA. 1+138.589	0.036	PLAZA B

LAMPIRAN V

DATA LAPORAN INSIDEN/KECELAKAAN KERJA PROYEK JEMBATAN PANDANSIMO

UTAMAKAN KESELAMATAN DAN KESEHATAN KERJA	**HSE OFFICER**	**LAPORAN KECELAKAAN KERJA**	adhi beyond construction · SHKTI	**Proyek Pembangunan Jembatan Pandansimo**

A. Insiden

Tanggal	Senin, 15 Januari 2024
Waktu	10:00 WIB
Pekerjaan	Pekerjaan Bore Pile STA 0+600
Lokasi Kejadian	Poncosari, Kecamatan Srandakan, Kabupaten Bantul, Daerah Istimewa Yogyakarta
Area	STA 0+600 Area A1 Proyek Jembatan Srandakan II (Pandansimo)
Kerugian	**Kecil** ☑ **Serius** ☐ **Besar** ☐

B. Korban

Nama	Jenis Kelamin	Usia	Jabatan	Cedera	Penanganan
Abdul Yatimin	Laki-Laki	40	Pekerja Harian (Tukang Bobok Bore Pile)	Tangan Kiri	Pengobatan ditempat kejadian

C. Investigasi Kecelakaan

Kronologi : Pada hari Senin 15 Januari 2024 pukul 10:00 WIB Korban sedang melakukan pekerjaan pembobokan Contingous Bore Pile. Penyangga pada pahat lepas dan mengenai tengan kiri korban sehingga mengakibatkan tangan kiri korban memar (Luka Ringan). proses penanganan secara langsung dilakukan oleh pihak K3 terkait.

Penyebab Langsung		Penyebab Tidak Langsung	
Kondisi Bahaya	**Tindakan Bahaya**	**Pribadi**	**Pekerjaan**
Peralatan yang dipakai rusak	-	Pekerja tidak melakukan pengecekan alat yang akan digunakan/kelalaian.	-

Saksi	Dibuat Oleh	Mengetahui
	Pengawas K3	QHSE Management
Pengakuan korban sebagai saksi	Rena Ayu Wulandari, S.T	Denny ,S.T

D. Dokumentasi & Catatan

	HSE OFFICER	LAPORAN KECELAKAAN KERJA		Proyek Pembangunan Jembatan Pandansimo

A. Insiden

Tanggal	Jumat, 08 Deseember 2023
Waktu	13:40 WIB
Pekerjaan	Pekerjaan Pabrikasi Baja untuk Pembangunan Kantor Direksi-Keet
Lokasi Kejadian	Poncosari, Kecamatan Srandakan, Kabupaten Bantul, Daerah Istimewa Yogyakarta
Area	Kantor Direksi-Keet PT. Adhi Karya - Sws (KSO)
Kerugian	Kecil ☑ Serius ☐ Besar ☐

B. Korban

Nama	Jenis Kelamin	Usia	Jabatan	Cedera	Penanganan
Sukitman	Laki-Laki	35	Pekerja Harian (Tukang Baja)	Telapak Tangan Kanan targores potongan baja	Pengobatan ditempat kejadian

C. Investigasi Kecelakaan

Kronologi : Pada hari Jumat tanggal 08 Desember 2023 Pukul 13:40 WIB Korban sedang melakukan pekerjaan pabrikasi baja untuk pembangunan Kantor Direksi Keet, Ketika melakukan pemotongan pada baja, potongan sisa baja mengenai tangan kanan korban sehingga telapak tangan kanan korban tergores (Luka Ringan). Korban melaporkan kejadian insiden kepada pihak pengawas K3 untuk meminta dilakukan tindakan pengobatan.

Penyebab Langsung		Penyebab Tidak Langsung	
Kondisi Bahaya	Tindakan Bahaya	Pribadi	Pekerjaan
Area Pekerjaan yg tidak steril/bersih		Ceroboh/Kelalaian pada saat bekerja dan tidak menggunakan sarung tangan(APD) pada saat bekerja	

Saksi	Dibuat Oleh	Mengetahui
	Pengawas K3	QHSE Management
Pengakuan korban sebagai saksi	Rena Ayu Wulandari, S.T	Denny ,S.T

D. Dokumentasi & Catatan

LAMPIRAN VI

HASIL UJI INSTRUMEN VARIABEL PERNYATAAN

Correlations

Notes

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Correlations

		P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	P13	P14	P15	P16
P01	Pearson Correlation	1	.487*	.316	.359	.469*	.107	.273	.180	.400	.302	.144	.414	.423	.115	.193	.199
	Sig. (2-tailed)		.030	.174	.120	.037	.654	.244	.447	.080	.195	.546	.070	.063	.628	.414	.401
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P02	Pearson Correlation	.487*	1	.021	.607**	.347	.140	.198	-.086	.142	.391	.288	.388	.292	.186	.509*	.069
	Sig. (2-tailed)	.030		.930	.005	.133	.557	.402	.718	.550	.088	.219	.091	.211	.433	.022	.772
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P03	Pearson Correlation	.316	.021	1	.154	.365	.231	.446*	.183	.704**	-.077	.373	.461*	.338	.204	.456*	.266
	Sig. (2-tailed)	.174	.930		.516	.114	.328	.049	.441	.001	.746	.105	.041	.145	.387	.043	.256
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P04	Pearson Correlation	.359	.607**	.154	1	.567**	.133	.199	-.009	.181	.335	.303	.472*	.130	.297	.548*	.017
	Sig. (2-tailed)	.120	.005	.516		.009	.578	.399	.970	.444	.149	.194	.035	.586	.203	.012	.943
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P05	Pearson Correlation	.469*	.347	.365	.567**	1	.342	.614**	.333	.329	.320	.376	.745**	.204	.598**	.622**	.372
	Sig. (2-tailed)	.037	.133	.114	.009		.140	.004	.151	.157	.169	.102	.000	.388	.005	.003	.106
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P06	Pearson Correlation	.107	.140	.231	.133	.342	1	.199	.500*	.281	.340	.162	.656**	.701**	.566**	.188	.480*
	Sig. (2-tailed)	.654	.557	.328	.578	.140		.401	.025	.230	.142	.495	.002	.001	.009	.427	.032
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

P07	Pearson Correlation	.273	.198	.446*	.199	.614**	.199	1	.647**	.423	.467*	.351	.654**	.166	.441	.642**	.164
	Sig. (2-tailed)	.244	.402	.049	.399	.004	.401		.002	.063	.038	.129	.002	.483	.052	.002	.489
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P08	Pearson Correlation	.180	-.086	.183	-.009	.333	.500*	.647**	1	.274	.543*	.040	.667**	.261	.469*	.342	.273
	Sig. (2-tailed)	.447	.718	.441	.970	.151	.025	.002		.243	.013	.867	.001	.266	.037	.140	.244
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P09	Pearson Correlation	.400	.142	.704**	.181	.329	.281	.423	.274	1	-.035	.671**	.499*	.454*	.240	.270	.334
	Sig. (2-tailed)	.080	.550	.001	.444	.157	.230	.063	.243		.883	.001	.025	.044	.308	.249	.150
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P10	Pearson Correlation	.302	.391	-.077	.335	.320	.340	.467*	.543*	-.035	1	-.051	.403	.332	.061	.219	.234
	Sig. (2-tailed)	.195	.088	.746	.149	.169	.142	.038	.013	.883		.832	.078	.152	.798	.353	.322
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P11	Pearson Correlation	.144	.288	.373	.303	.376	.162	.351	.040	.671**	-.051	1	.380	.047	.101	.425	.412
	Sig. (2-tailed)	.546	.219	.105	.194	.102	.495	.129	.867	.001	.832		.098	.843	.673	.062	.071
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P12	Pearson Correlation	.414	.388	.461*	.472*	.745**	.656**	.654**	.667**	.499*	.403	.380	1	.516*	.759**	.661**	.391
	Sig. (2-tailed)	.070	.091	.041	.035	.000	.002	.002	.001	.025	.078	.098		.020	.000	.002	.088
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P13	Pearson Correlation	.423	.292	.338	.130	.204	.701**	.166	.261	.454*	.332	.047	.516*	1	.315	-.040	.256

	Sig. (2-tailed)	.063	.211	.145	.586	.388	.001	.483	.266	.044	.152	.843	.020		.176	.866	.276
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P14	Pearson Correlation	.115	.186	.204	.297	.598**	.566**	.441	.469*	.240	.061	.101	.759**	.315	1	.513*	.079
	Sig. (2-tailed)	.628	.433	.387	.203	.005	.009	.052	.037	.308	.798	.673	.000	.176		.021	.741
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P15	Pearson Correlation	.193	.509*	.456*	.548*	.622**	.188	.642**	.342	.270	.219	.425	.661**	-.040	.513*	1	.101
	Sig. (2-tailed)	.414	.022	.043	.012	.003	.427	.002	.140	.249	.353	.062	.002	.866	.021		.673
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P16	Pearson Correlation	.199	.069	.266	.017	.372	.480*	.164	.273	.334	.234	.412	.391	.256	.079	.101	1
	Sig. (2-tailed)	.401	.772	.256	.943	.106	.032	.489	.244	.150	.322	.071	.088	.276	.741	.673	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P17	Pearson Correlation	.582**	.405	.211	.488*	.628**	.309	.577**	.501*	.396	.532*	.381	.666**	.237	.386	.486*	.148
	Sig. (2-tailed)	.007	.076	.371	.029	.003	.184	.008	.024	.084	.016	.098	.001	.315	.092	.030	.534
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P18	Pearson Correlation	.202	.508*	-.197	.485*	.591**	.254	.467*	.330	-.018	.568**	.145	.480*	.041	.570**	.432	.087
	Sig. (2-tailed)	.394	.022	.405	.030	.006	.280	.038	.155	.939	.009	.541	.032	.862	.009	.057	.715
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P19	Pearson Correlation	.249	-.082	.190	.182	.560*	.595**	.631**	.908**	.318	.507*	.160	.736**	.303	.562**	.358	.269
	Sig. (2-tailed)	.291	.731	.423	.443	.010	.006	.003	.000	.171	.023	.501	.000	.194	.010	.121	.251
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

TOTAL	Pearson Correlation	.538*	.474*	.507*	.521*	.794**	.632**	.718**	.622**	.610**	.514*	.513*	.936**	.519*	.632**	.666**	.472*
	Sig. (2-tailed)	.014	.035	.022	.019	.000	.003	.000	.003	.004	.021	.021	.000	.019	.003	.001	.036
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

Correlations

		P17	P18	P19	TOTAL
P01	Pearson Correlation	.582**	.202	.249	.538*
	Sig. (2-tailed)	.007	.394	.291	.014
	N	20	20	20	20
P02	Pearson Correlation	.405	.508*	-.082	.474*
	Sig. (2-tailed)	.076	.022	.731	.035
	N	20	20	20	20
P03	Pearson Correlation	.211	-.197	.190	.507*
	Sig. (2-tailed)	.371	.405	.423	.022
	N	20	20	20	20
P04	Pearson Correlation	.488*	.485*	.182	.521*
	Sig. (2-tailed)	.029	.030	.443	.019
	N	20	20	20	20
P05	Pearson Correlation	.628**	.591**	.560*	.794**
	Sig. (2-tailed)	.003	.006	.010	.000
	N	20	20	20	20
P06	Pearson Correlation	.309	.254	.595**	.632**
	Sig. (2-tailed)	.184	.280	.006	.003
	N	20	20	20	20
P07	Pearson Correlation	.577**	.467*	.631**	.718**
	Sig. (2-tailed)	.008	.038	.003	.000
	N	20	20	20	20
P08	Pearson Correlation	.501*	.330	.908**	.622**
	Sig. (2-tailed)	.024	.155	.000	.003
	N	20	20	20	20
P09	Pearson Correlation	.396	-.018	.318	.610**
	Sig. (2-tailed)	.084	.939	.171	.004
	N	20	20	20	20
P10	Pearson Correlation	.532*	.568**	.507*	.514*
	Sig. (2-tailed)	.016	.009	.023	.021

	N	20	20	20	20
P11	Pearson Correlation	.381	.145	.160	.513*
	Sig. (2-tailed)	.098	.541	.501	.021
	N	20	20	20	20
P12	Pearson Correlation	.666**	.480*	.736**	.936**
	Sig. (2-tailed)	.001	.032	.000	.000
	N	20	20	20	20
P13	Pearson Correlation	.237	.041	.303	.519*
	Sig. (2-tailed)	.315	.862	.194	.019
	N	20	20	20	20
P14	Pearson Correlation	.386	.570**	.562**	.632**
	Sig. (2-tailed)	.092	.009	.010	.003
	N	20	20	20	20
P15	Pearson Correlation	.486*	.432	.358	.666**
	Sig. (2-tailed)	.030	.057	.121	.001
	N	20	20	20	20
P16	Pearson Correlation	.148	.087	.269	.472*
	Sig. (2-tailed)	.534	.715	.251	.036
	N	20	20	20	20
P17	Pearson Correlation	1	.584**	.636**	.769**
	Sig. (2-tailed)		.007	.003	.000
	N	20	20	20	20
P18	Pearson Correlation	.584**	1	.426	.559*
	Sig. (2-tailed)	.007		.061	.010
	N	20	20	20	20
P19	Pearson Correlation	.636**	.426	1	.721**
	Sig. (2-tailed)	.003	.061		.000
	N	20	20	20	20
TOTAL	Pearson Correlation	.769**	.559*	.721**	1
	Sig. (2-tailed)	.000	.010	.000	
	N	20	20	20	20

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Reliability

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
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Scale: ALL VARIABLES

Case Processing Summary

		N	%
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	Excluded[a]	0	.0
	Total	20	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.907	19

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
P01	72.5500	131.839	.483	.904
P02	72.6500	131.818	.404	.906
P03	72.4000	128.884	.424	.906
P04	71.8000	135.747	.486	.905
P05	71.5500	120.576	.751	.896
P06	71.8000	124.484	.559	.902
P07	71.6500	130.555	.686	.900
P08	72.3500	127.818	.564	.902
P09	71.8500	128.766	.553	.902
P10	71.3500	132.871	.460	.904
P11	71.9000	128.516	.429	.906
P12	72.4500	112.366	.919	.889
P13	71.5000	132.158	.462	.904
P14	71.7000	130.432	.587	.901
P15	71.4500	128.997	.621	.900
P16	72.0000	130.947	.395	.907
P17	72.0000	121.579	.722	.897
P18	71.6000	131.516	.506	.903
P19	71.6500	129.397	.687	.900

LAMPIRAN VII

HASIL UJI INSTRUMEN VARIABEL RISIKO (LIKELIHOOD)

Correlations

Notes

Output Created		22-JUL-2025 14:35:22
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 TOTAL /PRINT=TWOTAIL NOSIG FULL /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.04

[DataSet0]

Correlations

		P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	P13	P14	P15	P16
P01	Pearson Correlation	1	.274	.387	.287	.506*	.449*	.146	.373	.188	.501*	.207	.049	.310	.180	.524*	.046
	Sig. (2-tailed)		.242	.092	.219	.023	.047	.539	.106	.428	.024	.380	.838	.184	.446	.018	.849
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P02	Pearson Correlation	.274	1	.552*	.227	.228	.371	.306	.345	.443	.303	.093	.426	.551*	.584**	.167	.098
	Sig. (2-tailed)	.242		.012	.337	.333	.107	.190	.137	.051	.194	.695	.061	.012	.007	.483	.682
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P03	Pearson Correlation	.387	.552*	1	.268	.090	.579**	.404	.450*	.432	.079	.459*	.226	.477*	.136	.066	.018
	Sig. (2-tailed)	.092	.012		.253	.706	.007	.077	.046	.057	.740	.042	.338	.034	.568	.783	.939
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P04	Pearson Correlation	.287	.227	.268	1	.448*	.274	.243	.287	.265	.376	.326	.358	.601**	.272	.489*	.209
	Sig. (2-tailed)	.219	.337	.253		.048	.242	.301	.219	.260	.103	.161	.121	.005	.246	.029	.377
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P05	Pearson Correlation	.506*	.228	.090	.448*	1	.544*	.383	.250	.026	.450*	-.009	.415	.211	.076	.676**	.179
	Sig. (2-tailed)	.023	.333	.706	.048		.013	.096	.287	.914	.047	.971	.068	.372	.751	.001	.450
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P06	Pearson Correlation	.449*	.371	.579**	.274	.544*	1	.304	.393	.165	.391	.038	.186	.226	.030	.480*	.065
	Sig. (2-tailed)	.047	.107	.007	.242	.013		.192	.087	.486	.088	.875	.431	.338	.899	.032	.785
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

P07	Pearson Correlation	.146	.306	.404	.243	.383	.304	1	.518*	.421	.340	.442	.640**	.272	.230	.425	.301
	Sig. (2-tailed)	.539	.190	.077	.301	.096	.192		.019	.065	.143	.051	.002	.246	.329	.062	.197
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P08	Pearson Correlation	.373	.345	.450*	.287	.250	.393	.518*	1	.534*	.353	.682**	.277	.602**	.456*	.298	.581**
	Sig. (2-tailed)	.106	.137	.046	.219	.287	.087	.019		.015	.127	.001	.238	.005	.043	.202	.007
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P09	Pearson Correlation	.188	.443	.432	.265	.026	.165	.421	.534*	1	-.025	.495*	.528*	.752**	.516*	-.015	.646**
	Sig. (2-tailed)	.428	.051	.057	.260	.914	.486	.065	.015		.916	.027	.017	.000	.020	.950	.002
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P10	Pearson Correlation	.501*	.303	.079	.376	.450*	.391	.340	.353	-.025	1	.166	.161	.244	.389	.561*	-.093
	Sig. (2-tailed)	.024	.194	.740	.103	.047	.088	.143	.127	.916		.483	.498	.301	.090	.010	.697
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P11	Pearson Correlation	.207	.093	.459*	.326	-.009	.038	.442	.682**	.495*	.166	1	.148	.615**	.305	-.072	.453*
	Sig. (2-tailed)	.380	.695	.042	.161	.971	.875	.051	.001	.027	.483		.535	.004	.191	.762	.045
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P12	Pearson Correlation	.049	.426	.226	.358	.415	.186	.640**	.277	.528*	.161	.148	1	.469*	.273	.281	.397
	Sig. (2-tailed)	.838	.061	.338	.121	.068	.431	.002	.238	.017	.498	.535		.037	.244	.230	.083
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P13	Pearson Correlation	.310	.551*	.477*	.601**	.211	.226	.272	.602**	.752**	.244	.615**	.469*	1	.681**	.115	.562**

	Sig. (2-tailed)	.184	.012	.034	.005	.372	.338	.246	.005	.000	.301	.004	.037		.001	.631	.010
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P14	Pearson Correlation	.180	.584**	.136	.272	.076	.030	.230	.456*	.516*	.389	.305	.273	.681**	1	.233	.543*
	Sig. (2-tailed)	.446	.007	.568	.246	.751	.899	.329	.043	.020	.090	.191	.244	.001		.322	.013
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P15	Pearson Correlation	.524*	.167	.066	.489*	.676**	.480*	.425	.298	-.015	.561*	-.072	.281	.115	.233	1	.084
	Sig. (2-tailed)	.018	.483	.783	.029	.001	.032	.062	.202	.950	.010	.762	.230	.631	.322		.726
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P16	Pearson Correlation	.046	.098	.018	.209	.179	.065	.301	.581**	.646**	-.093	.453*	.397	.562**	.543*	.084	1
	Sig. (2-tailed)	.849	.682	.939	.377	.450	.785	.197	.007	.002	.697	.045	.083	.010	.013	.726	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P17	Pearson Correlation	.418	.302	.357	.307	.099	.240	.397	.586**	.616**	.292	.590**	.556*	.622**	.317	.175	.486*
	Sig. (2-tailed)	.066	.196	.122	.189	.677	.309	.083	.007	.004	.212	.006	.011	.003	.173	.460	.030
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P18	Pearson Correlation	.408	.230	.342	.314	.415	.549*	.516*	.398	.438	.290	.282	.536*	.455*	.224	.491*	.437
	Sig. (2-tailed)	.074	.330	.140	.177	.069	.012	.020	.082	.053	.215	.228	.015	.044	.343	.028	.054
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P19	Pearson Correlation	.161	.227	.368	.197	.161	.383	.474*	.475*	.591**	-.094	.229	.341	.414	.413	.354	.674**
	Sig. (2-tailed)	.496	.335	.110	.405	.497	.096	.035	.034	.006	.694	.331	.141	.070	.070	.126	.001
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

TOTAL	Pearson Correlation	.528*	.534*	.518*	.576**	.535*	.546*	.676**	.750**	.672**	.490*	.547*	.618**	.768**	.603**	.570**	.604**
	Sig. (2-tailed)	.017	.015	.019	.008	.015	.013	.001	.000	.001	.028	.013	.004	.000	.005	.009	.005
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

Correlations

		P17	P18	P19	TOTAL
P01	Pearson Correlation	.418	.408	.161	.528*
	Sig. (2-tailed)	.066	.074	.496	.017
	N	20	20	20	20
P02	Pearson Correlation	.302	.230	.227	.534*
	Sig. (2-tailed)	.196	.330	.335	.015
	N	20	20	20	20
P03	Pearson Correlation	.357	.342	.368	.518*
	Sig. (2-tailed)	.122	.140	.110	.019
	N	20	20	20	20
P04	Pearson Correlation	.307	.314	.197	.576**
	Sig. (2-tailed)	.189	.177	.405	.008
	N	20	20	20	20
P05	Pearson Correlation	.099	.415	.161	.535*
	Sig. (2-tailed)	.677	.069	.497	.015
	N	20	20	20	20
P06	Pearson Correlation	.240	.549*	.383	.546*
	Sig. (2-tailed)	.309	.012	.096	.013
	N	20	20	20	20
P07	Pearson Correlation	.397	.516*	.474*	.676**
	Sig. (2-tailed)	.083	.020	.035	.001
	N	20	20	20	20
P08	Pearson Correlation	.586**	.398	.475*	.750**
	Sig. (2-tailed)	.007	.082	.034	.000
	N	20	20	20	20
P09	Pearson Correlation	.616**	.438	.591**	.672**
	Sig. (2-tailed)	.004	.053	.006	.001
	N	20	20	20	20
P10	Pearson Correlation	.292	.290	-.094	.490*
	Sig. (2-tailed)	.212	.215	.694	.028

	N	20	20	20	20
P11	Pearson Correlation	.590**	.282	.229	.547*
	Sig. (2-tailed)	.006	.228	.331	.013
	N	20	20	20	20
P12	Pearson Correlation	.556*	.536*	.341	.618**
	Sig. (2-tailed)	.011	.015	.141	.004
	N	20	20	20	20
P13	Pearson Correlation	.622**	.455*	.414	.768**
	Sig. (2-tailed)	.003	.044	.070	.000
	N	20	20	20	20
P14	Pearson Correlation	.317	.224	.413	.603**
	Sig. (2-tailed)	.173	.343	.070	.005
	N	20	20	20	20
P15	Pearson Correlation	.175	.491*	.354	.570**
	Sig. (2-tailed)	.460	.028	.126	.009
	N	20	20	20	20
P16	Pearson Correlation	.486*	.437	.674**	.604**
	Sig. (2-tailed)	.030	.054	.001	.005
	N	20	20	20	20
P17	Pearson Correlation	1	.689**	.376	.709**
	Sig. (2-tailed)		.001	.102	.000
	N	20	20	20	20
P18	Pearson Correlation	.689**	1	.646**	.757**
	Sig. (2-tailed)	.001		.002	.000
	N	20	20	20	20
P19	Pearson Correlation	.376	.646**	1	.659**
	Sig. (2-tailed)	.102	.002		.002
	N	20	20	20	20
TOTAL	Pearson Correlation	.709**	.757**	.659**	1
	Sig. (2-tailed)	.000	.000	.002	
	N	20	20	20	20

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Reliability

Notes

Output Created		22-JUL-2025 14:36:06
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	20	100.0
	Excluded[a]	0	.0
	Total	20	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.898	19

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
P01	27.0500	144.050	.483	.895
P02	27.2000	143.011	.484	.894
P03	27.3000	144.747	.476	.895
P04	26.8500	139.818	.519	.893
P05	26.8000	138.274	.458	.895
P06	27.1500	143.292	.501	.894
P07	27.0500	136.155	.625	.890
P08	26.6500	140.029	.722	.890
P09	26.9500	137.524	.624	.890
P10	26.6500	139.397	.406	.897
P11	27.0500	135.524	.456	.897
P12	26.9500	140.366	.571	.892
P13	27.2500	138.724	.740	.889
P14	26.7500	134.724	.526	.893
P15	26.5500	135.313	.486	.895
P16	25.6500	135.818	.533	.893
P17	27.3500	138.766	.671	.890
P18	26.7000	128.432	.701	.887
P19	26.4000	131.305	.583	.892

LAMPIRAN VIII

HASIL UJI INSTRUMEN VARIABEL RISIKO (SEVERITY)

Correlations

Notes

Output Created		22-JUL-2025 19:41:03
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 TOTAL /PRINT=TWOTAIL NOSIG FULL /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.03

Correlations

		P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	P13	P14	P15	P16
P01	Pearson Correlation	1	.156	.055	.474*	.351	.632**	.380	.000	.066	.122	.400	.258	.302	.392	.336	.397
	Sig. (2-tailed)		.512	.816	.035	.129	.003	.099	1.000	.781	.607	.081	.272	.196	.088	.147	.083
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P02	Pearson Correlation	.156	1	.364	.466*	-.038	.559*	.412	.360	.627**	.502*	.230	.746**	.469*	.135	.579**	.404
	Sig. (2-tailed)	.512		.115	.038	.874	.010	.071	.119	.003	.024	.330	.000	.037	.570	.007	.078
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P03	Pearson Correlation	.055	.364	1	.175	.146	.367	.428	.361	.369	.456*	.304	.252	.125	.343	.177	.097
	Sig. (2-tailed)	.816	.115		.460	.540	.112	.060	.117	.110	.043	.193	.283	.599	.139	.456	.683
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P04	Pearson Correlation	.474*	.466*	.175	1	.169	.638**	.334	.320	.380	.025	.386	.442	.446*	.298	.526*	.262
	Sig. (2-tailed)	.035	.038	.460		.476	.002	.150	.168	.099	.915	.093	.051	.048	.201	.017	.265
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P05	Pearson Correlation	.351	-.038	.146	.169	1	.276	.040	.452*	.227	.201	.662**	.067	.255	.602**	-.049	.162
	Sig. (2-tailed)	.129	.874	.540	.476		.239	.868	.045	.337	.395	.001	.781	.277	.005	.837	.494
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P06	Pearson Correlation	.632**	.559*	.367	.638**	.276	1	.802**	.544*	.290	.119	.273	.423	.439	.505*	.645**	.501*
	Sig. (2-tailed)	.003	.010	.112	.002	.239		.000	.013	.215	.617	.244	.063	.053	.023	.002	.025
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

P07	Pearson Correlation	.380	.412	.428	.334	.040	.802**	1	.428	-.028	-.131	-.137	.130	.109	.512*	.447*	.313
	Sig. (2-tailed)	.099	.071	.060	.150	.868	.000		.060	.905	.581	.564	.585	.648	.021	.048	.179
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P08	Pearson Correlation	.000	.360	.361	.320	.452*	.544*	.428	1	.457*	.166	.391	.289	.337	.274	.484*	.164
	Sig. (2-tailed)	1.000	.119	.117	.168	.045	.013	.060		.043	.483	.088	.217	.147	.242	.031	.490
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P09	Pearson Correlation	.066	.627**	.369	.380	.227	.290	-.028	.457*	1	.589**	.569**	.557*	.539*	.043	.435	.317
	Sig. (2-tailed)	.781	.003	.110	.099	.337	.215	.905	.043		.006	.009	.011	.014	.856	.055	.174
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P10	Pearson Correlation	.122	.502*	.456*	.025	.201	.119	-.131	.166	.589**	1	.452*	.661**	.461*	-.075	.081	.307
	Sig. (2-tailed)	.607	.024	.043	.915	.395	.617	.581	.483	.006		.046	.002	.041	.754	.733	.188
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P11	Pearson Correlation	.400	.230	.304	.386	.662**	.273	-.137	.391	.569**	.452*	1	.479*	.555*	.208	.326	.288
	Sig. (2-tailed)	.081	.330	.193	.093	.001	.244	.564	.088	.009	.046		.032	.011	.378	.161	.219
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P12	Pearson Correlation	.258	.746**	.252	.442	.067	.423	.130	.289	.557*	.661**	.479*	1	.704**	-.173	.564**	.590**
	Sig. (2-tailed)	.272	.000	.283	.051	.781	.063	.585	.217	.011	.002	.032		.001	.466	.010	.006
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P13	Pearson Correlation	.302	.469*	.125	.446*	.255	.439	.109	.337	.539*	.461*	.555*	.704**	1	.067	.557*	.562**

	Sig. (2-tailed)	.196	.037	.599	.048	.277	.053	.648	.147	.014	.041	.011	.001		.778	.011	.010
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P14	Pearson Correlation	.392	.135	.343	.298	.602**	.505*	.512*	.274	.043	-.075	.208	-.173	.067	1	.033	.067
	Sig. (2-tailed)	.088	.570	.139	.201	.005	.023	.021	.242	.856	.754	.378	.466	.778		.891	.778
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P15	Pearson Correlation	.336	.579**	.177	.526*	-.049	.645**	.447*	.484*	.435	.081	.326	.564**	.557*	.033	1	.304
	Sig. (2-tailed)	.147	.007	.456	.017	.837	.002	.048	.031	.055	.733	.161	.010	.011	.891		.193
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P16	Pearson Correlation	.397	.404	.097	.262	.162	.501*	.313	.164	.317	.307	.288	.590**	.562**	.067	.304	1
	Sig. (2-tailed)	.083	.078	.683	.265	.494	.025	.179	.490	.174	.188	.219	.006	.010	.778	.193	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P17	Pearson Correlation	.156	.413	.377	.114	.388	.327	.275	.224	.368	.421	.019	.121	.103	.611**	-.146	.218
	Sig. (2-tailed)	.512	.070	.101	.632	.091	.160	.241	.343	.110	.065	.936	.612	.665	.004	.539	.355
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P18	Pearson Correlation	.076	.774**	.534*	.501*	.223	.609**	.589**	.575**	.527*	.323	.249	.503*	.392	.348	.425	.201
	Sig. (2-tailed)	.749	.000	.015	.024	.345	.004	.006	.008	.017	.165	.290	.024	.087	.133	.061	.396
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P19	Pearson Correlation	.265	.652**	.443	.509*	.000	.716**	.702**	.452*	.346	.146	-.010	.202	.018	.424	.422	.139
	Sig. (2-tailed)	.259	.002	.050	.022	1.000	.000	.001	.046	.135	.540	.966	.393	.940	.063	.064	.559
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

TOTAL	Pearson Correlation	.483*	.745**	.575**	.625**	.481*	.824**	.567**	.649**	.663**	.517*	.568**	.639**	.607**	.521*	.569**	.505*
	Sig. (2-tailed)	.031	.000	.008	.003	.032	.000	.009	.002	.001	.020	.009	.002	.005	.019	.009	.023
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

Correlations

		P17	P18	P19	TOTAL
P01	Pearson Correlation	.156	.076	.265	.483*
	Sig. (2-tailed)	.512	.749	.259	.031
	N	20	20	20	20
P02	Pearson Correlation	.413	.774**	.652**	.745**
	Sig. (2-tailed)	.070	.000	.002	.000
	N	20	20	20	20
P03	Pearson Correlation	.377	.534*	.443	.575**
	Sig. (2-tailed)	.101	.015	.050	.008
	N	20	20	20	20
P04	Pearson Correlation	.114	.501*	.509*	.625**
	Sig. (2-tailed)	.632	.024	.022	.003
	N	20	20	20	20
P05	Pearson Correlation	.388	.223	.000	.481*
	Sig. (2-tailed)	.091	.345	1.000	.032
	N	20	20	20	20
P06	Pearson Correlation	.327	.609**	.716**	.824**
	Sig. (2-tailed)	.160	.004	.000	.000
	N	20	20	20	20
P07	Pearson Correlation	.275	.589**	.702**	.567**
	Sig. (2-tailed)	.241	.006	.001	.009
	N	20	20	20	20
P08	Pearson Correlation	.224	.575**	.452*	.649**
	Sig. (2-tailed)	.343	.008	.046	.002
	N	20	20	20	20
P09	Pearson Correlation	.368	.527*	.346	.663**
	Sig. (2-tailed)	.110	.017	.135	.001
	N	20	20	20	20
P10	Pearson Correlation	.421	.323	.146	.517*
	Sig. (2-tailed)	.065	.165	.540	.020

	N	20	20	20	20
P11	Pearson Correlation	.019	.249	-.010	.568**
	Sig. (2-tailed)	.936	.290	.966	.009
	N	20	20	20	20
P12	Pearson Correlation	.121	.503*	.202	.639**
	Sig. (2-tailed)	.612	.024	.393	.002
	N	20	20	20	20
P13	Pearson Correlation	.103	.392	.018	.607**
	Sig. (2-tailed)	.665	.087	.940	.005
	N	20	20	20	20
P14	Pearson Correlation	.611**	.348	.424	.521*
	Sig. (2-tailed)	.004	.133	.063	.019
	N	20	20	20	20
P15	Pearson Correlation	-.146	.425	.422	.569**
	Sig. (2-tailed)	.539	.061	.064	.009
	N	20	20	20	20
P16	Pearson Correlation	.218	.201	.139	.505*
	Sig. (2-tailed)	.355	.396	.559	.023
	N	20	20	20	20
P17	Pearson Correlation	1	.386	.401	.547*
	Sig. (2-tailed)		.093	.080	.013
	N	20	20	20	20
P18	Pearson Correlation	.386	1	.697**	.782**
	Sig. (2-tailed)	.093		.001	.000
	N	20	20	20	20
P19	Pearson Correlation	.401	.697**	1	.664**
	Sig. (2-tailed)	.080	.001		.001
	N	20	20	20	20
TOTAL	Pearson Correlation	.547*	.782**	.664**	1
	Sig. (2-tailed)	.013	.000	.001	
	N	20	20	20	20

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Reliability

Notes

Output Created		22-JUL-2025 19:41:39
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	20	100.0
	Excluded[a]	0	.0
	Total	20	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.899	19

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
P01	35.1500	167.818	.421	.896
P02	35.5000	161.105	.709	.889
P03	35.6500	163.397	.512	.894
P04	35.2500	160.934	.564	.893
P05	34.4000	163.937	.395	.899
P06	34.8500	147.713	.780	.885
P07	35.7000	166.432	.515	.894
P08	35.3000	156.116	.576	.893
P09	35.0000	160.632	.609	.891
P10	34.9000	159.463	.415	.900
P11	33.8000	166.168	.516	.894
P12	33.6500	166.134	.599	.893
P13	33.5500	167.418	.566	.894
P14	33.8000	164.063	.448	.896
P15	35.7000	168.853	.529	.895
P16	36.0500	169.629	.458	.896
P17	34.6500	161.292	.467	.896
P18	35.5000	153.421	.738	.887
P19	35.8000	162.063	.615	.891

LAMPIRAN IX

PELENGKAP HASIL PENGOLAHAN DATA MICROSOFT EXCEL

Angket Statistik Deskriptif

(Sumber : Pengolahan data Microsoft Excel)

Responden	Indikator Pernyataan																			Nilai
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	
1	3	3	2	4	5	5	4	4	3	5	5	3	3	4	5	5	5	5	5	78
2	3	2	2	4	5	5	4	4	3	5	2	3	5	4	3	4	3	4	5	70
3	3	2	2	3	2	5	4	5	3	5	2	3	5	4	3	3	4	4	5	67
4	4	4	2	4	4	4	3	2	3	5	2	2	5	4	3	5	3	5	3	67
5	3	2	5	3	2	4	3	2	5	3	4	1	5	3	3	3	2	2	3	58
6	2	2	2	4	2	2	3	2	4	3	5	1	3	3	3	4	2	3	3	53
7	2	4	2	4	2	2	4	3	2	5	2	1	3	3	5	2	2	4	3	55
8	3	2	4	4	5	2	4	3	3	3	2	3	3	5	5	2	3	4	4	64
9	3	3	4	4	5	5	4	3	4	3	5	4	4	5	5	5	3	4	4	77
10	2	3	5	4	5	5	5	3	4	5	5	4	5	4	5	5	3	4	4	80
11	5	5	5	5	5	4	4	3	5	5	5	4	5	3	5	5	5	4	4	86
12	4	5	3	4	5	4	5	3	5	4	5	4	5	5	5	3	5	5	4	83
13	4	3	5	5	5	5	5	4	5	5	4	4	5	5	5	3	5	5	5	87
14	4	3	3	4	5	1	5	3	4	5	5	2	3	3	4	3	5	5	4	71
15	4	5	5	5	5	5	4	3	3	5	4	5	5	5	5	5	5	5	4	87
16	3	4	3	5	5	5	4	4	5	5	5	5	5	5	4	4	5	5	5	86
17	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	3	5	5	89
18	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	89
r Hitung	**0,552**	**0,556**	**0,4927**	**0,5951**	**0,7894**	**0,642**	**0,664**	**0,543**	**0,535**	**0,491**	**0,535**	**0,9368**	**0,5528**	**0,649**	**0,595**	**0,5426**	**0,7497**	**0,689**	**0,6715**	
r Tabel	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	
Ket.	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	

Angket Uji Korelasi Likelihood

(Sumber : Pengolahan data Microsoft Excel)

Responden	Variabel																			Nilai Variabel
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	2	2	1	2	1	1	0	2	2	2	0	2	2	2	2	2	2	2	1	30
2	2	2	2	2	1	1	2	1	2	2	2	2	1	1	2	1	2	2	1	31
3	1	2	2	2	2	2	2	1	1	1	0	2	1	1	2	1	0	1	2	26
4	1	1	1	2	2	1	1	1	1	1	0	1	1	1	2	2	0	1	3	23
5	2	0	1	2	2	1	2	2	1	1	2	2	1	1	4	4	2	4	4	38
6	1	0	1	2	2	2	2	2	2	1	2	2	1	0	2	4	2	4	4	36
7	1	2	1	0	3	2	2	2	0	2	0	2	0	0	2	2	1	2	1	25
8	1	1	0	0	0	0	1	1	0	2	0	0	0	3	2	2	0	1	2	16
9	2	0	1	0	2	2	0	1	0	2	0	0	0	0	2	1	0	1	0	14
10	0	0	0	2	0	1	0	1	0	2	0	0	0	0	2	1	0	0	0	9
11	1	0	0	1	2	0	2	1	1	2	0	2	0	0	1	2	0	0	0	15
12	2	1	1	2	2	1	1	2	1	4	4	1	2	2	1	2	2	2	0	33
13	2	1	1	2	1	0	2	2	2	4	4	2	2	2	0	4	1	1	1	34
14	0	0	0	1	0	0	0	1	2	0	0	2	0	3	0	4	1	0	2	16
15	2	1	1	1	0	0	0	2	2	0	2	0	0	1	0	4	1	0	2	19
16	2	1	2	1	0	0	0	2	1	0	2	0	1	0	0	2	0	0	2	16
17	2	2	2	1	3	2	2	2	3	4	2	2	2	4	3	4	2	4	4	50
18	2	2	3	3	4	2	2	2	3	4	1	2	2	4	4	4	1	4	4	53
r Hitung	**0,52548**	**0,4924**	**0,681068**	**0,5329**	**0,6971**	**0,49803**	**0,63498**	**0,6055**	**0,7188**	**0,58697**	**0,46884**	**0,62177**	**0,7985**	**0,57551**	**0,5751**	**0,5456**	**0,686**	**0,88479**	**0,6349**	
r Tabel	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	
Ket.	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	

Angket Uji Korelasi Severity

(Sumber : Pengolahan data Microsoft Excel)

Responden	Variabel																			Nilai Variabel
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	1	2	2	1	1	2	2	2	1	2	2	3	2	3	1	0	2	2	3	34
2	1	2	1	1	2	2	2	1	1	1	2	3	2	3	1	0	2	3	2	32
3	1	2	2	2	1	2	2	1	1	1	2	3	4	4	1	0	3	3	1	36
4	2	1	1	2	1	2	2	1	1	0	2	3	3	4	2	1	2	0	1	31
5	2	0	1	1	1	2	2	1	1	0	2	2	3	2	1	1	1	0	1	24
6	2	0	1	1	1	2	1	1	1	0	2	2	2	2	1	0	1	0	1	21
7	1	0	2	2	4	0	0	1	1	0	4	2	2	4	0	0	2	0	0	25
8	2	0	0	0	4	0	0	1	2	2	4	2	3	4	0	0	2	0	0	26
9	0	0	0	0	4	0	0	0	1	2	2	2	3	4	0	0	4	0	0	22
10	0	2	0	0	1	0	0	0	2	4	2	4	3	1	0	2	4	0	0	25
11	0	2	2	0	1	0	0	0	3	4	4	4	4	1	2	1	0	1	0	29
12	0	1	0	3	1	1	0	0	2	2	3	4	4	1	1	1	0	1	0	25
13	0	1	0	2	3	1	0	4	2	2	4	4	4	1	2	0	0	1	0	31
14	2	2	0	2	3	4	2	4	2	0	3	3	4	4	2	2	4	2	2	47
15	4	2	0	3	4	4	2	1	2	4	4	4	4	4	2	2	4	2	1	53
16	4	1	2	2	4	4	2	1	0	4	4	4	4	4	1	2	2	1	1	47
17	4	2	4	2	4	3	2	4	4	4	4	4	4	4	1	2	4	4	2	62
18	2	2	3	4	4	4	2	4	3	4	4	4	4	4	2	1	4	2	1	58
r Hitung	**0,701768806**	**0,61644702**	**0,530484619**	**0,628939357**	**0,513404302**	**0,809914509**	**0,632500528**	**0,664406668**	**0,4774118**	**0,511257531**	**0,49939787**	**0,572111163**	**0,561652385**	**0,505720013**	**0,48950327**	**0,595208819**	**0,554821888**	**0,725472871**	**0,486268324**	
r Tabel	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	**0,468**	
Ket.	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	

Angket Hasil Kuisioner Survey Utama Likelihood

(Sumber : Pengolahan data Microsoft Excel)

Variabel	Skala Penilaian Kemungkinan (Likehood) Responden ke-																				Jumlah Per-Skala				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	0	1	2	3	4
1	2	2	1	1	2	1	1	1	2	0	1	2	0	0	2	1	1	2	2	2	3	8	9	0	0
2	2	2	2	1	0	0	2	1	0	0	0	1	1	1	1	1	2	2	2	2	5	7	8	0	0
3	1	2	2	1	1	1	1	0	1	0	0	1	1	0	1	2	2	1	1	2	4	11	5	0	0
4	2	2	2	2	2	2	0	0	0	2	1	2	2	0	1	1	1	2	4	2	4	4	11	0	1
5	1	1	2	2	2	2	3	0	2	0	2	2	1	0	1	0	0	4	4	2	5	4	8	1	2
6	1	1	2	1	1	2	2	0	2	1	0	1	0	0	1	1	2	2	2	2	4	8	8	0	0
7	0	2	2	1	2	2	2	1	0	0	2	1	2	0	0	0	2	2	1	4	6	4	9	0	1
8	2	1	1	1	2	2	2	1	1	1	1	2	2	1	2	2	2	2	2	4	0	8	11	0	1
9	2	2	1	1	1	2	0	0	0	0	1	1	2	2	2	1	3	3	1	3	4	7	6	3	0
10	2	2	1	1	1	1	2	2	2	2	2	4	0	0	0	0	2	2	4	4	4	4	9	0	3
11	0	2	0	0	2	2	0	0	0	0	0	4	4	0	2	2	2	1	1	4	9	2	6	0	3
12	2	2	2	1	2	2	2	0	0	0	2	1	2	2	0	0	2	2	2	2	5	2	13	0	0
13	2	1	1	1	1	1	0	0	0	0	0	2	2	1	1	1	2	2	2	2	5	8	7	0	0
14	2	1	1	1	1	0	0	3	0	0	0	2	2	3	1	1	3	3	4	4	5	6	3	4	2
15	2	2	2	2	4	2	2	2	2	2	1	1	0	0	0	0	0	4	4	4	5	2	9	0	4
16	2	1	1	2	4	4	2	2	1	1	2	2	4	4	4	2	4	4	4	4	0	4	7	0	9
17	2	2	0	0	2	2	1	0	0	0	0	2	1	1	1	0	2	1	1	2	7	6	7	0	0
18	2	2	1	1	4	4	2	1	1	0	0	2	1	0	0	0	4	4	2	2	5	5	6	0	4
19	1	1	2	3	4	4	1	2	0	0	0	0	1	2	2	2	4	4	2	4	4	4	6	1	5

Angket Hasil Kuisioner Survey Utama Severity
(Sumber : Pengolahan data Microsoft Excel)

Variabel	Skala Penilaian Keparahan (Severity) Responden ke-																				Jumlah Per-Skala				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	0	1	2	3	4
1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	4	4	1	2	3	3	0	11	5	2	2
2	2	2	2	1	0	0	0	0	0	2	2	1	1	2	2	1	2	2	3	3	5	4	9	2	0
3	2	1	2	1	1	1	2	0	0	0	2	0	0	0	0	2	4	3	2	2	7	4	7	1	1
4	1	1	2	2	1	1	2	0	0	0	0	3	2	2	3	2	2	1	4	4	4	5	7	2	2
5	1	2	1	1	1	1	4	4	4	1	1	1	3	3	4	4	4	4	4	2	0	8	2	2	8
6	2	2	2	2	2	2	0	0	0	0	0	1	1	4	4	4	3	4	4	4	5	2	6	1	6
7	2	2	2	2	2	1	0	0	0	0	0	0	0	2	2	2	2	2	2	1	7	2	11	0	0
8	2	1	1	1	1	1	1	1	0	0	0	0	4	4	1	1	4	4	4	1	4	10	1	0	5
9	1	1	1	1	1	1	1	2	1	2	3	2	2	2	2	0	4	3	4	4	1	8	6	2	3
10	2	1	1	0	0	0	0	2	2	4	4	2	2	0	0	4	4	4	4	4	6	2	5	0	7
11	2	2	2	2	2	2	4	4	2	2	4	3	4	3	4	4	4	4	4	4	0	0	8	2	10
12	3	3	3	3	2	2	2	2	2	4	4	4	4	3	4	4	4	4	4	4	0	0	5	5	10
13	2	2	4	3	3	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	0	0	4	5	11
14	3	3	4	4	2	2	4	4	4	1	1	1	1	4	4	4	4	4	4	4	0	4	2	2	12
15	1	1	1	2	1	1	0	0	0	0	2	1	2	2	2	1	1	2	2	2	4	8	8	0	0
16	0	0	0	1	1	0	0	0	0	2	1	1	0	2	2	2	2	1	1	1	8	7	5	0	0
17	2	2	3	2	1	1	2	2	4	4	0	0	0	2	2	2	4	4	4	4	3	2	8	1	6
18	2	3	3	0	0	0	0	0	0	0	1	1	1	2	2	1	4	2	4	2	7	4	5	2	2
19	3	2	1	1	1	1	0	0	0	0	0	0	0	2	1	1	2	1	3	3	7	7	3	3	0

Backup Perhitungan Statistik Deskriptif
(Sumber : Pengolahan data Microsoft Excel)

No	Pernyatan	n	Sangat Tidak Setuju (1)	Tidak Setuju (2)	Netral (3)	Setuju (4)	Sangat Setuju (5)	Mean	Std. Dev
1	Tertabrak Alat Berat/Kendaraan Proyek	18	0	3	8	6	1	3,28	0,83
2	Tergelincir pada saat menaikan/memindahkan material	18	0	5	6	4	3	3,28	1,07
3	Cedera / Luka gores	18	0	6	3	4	5	3,44	1,25
4	Tertimbun material galian akibat longsoran tanah	18	0	0	2	12	4	4,11	0,58
5	Tertabrak alat berat pada saat pekerjaan galian	18	0	4	0	1	13	4,28	1,27
6	Tertimbun material timbunan lunak	18	1	3	0	4	10	4,06	1,35
7	Potensi tergelincir atau terjatuh akibat area pekerjaan yang licin atau tidak rata	18	0	0	3	9	6	4,17	0,71
8	Potensi terpeleset diarea pekerjaan bore pile didarat akibat lumpur dan air tanah	18	0	3	8	4	3	3,39	0,98
9	Potensi terjatuh, tenggelam. Terbawa arus air pada saat pekerjaan bore pile di air	18	0	1	6	4	7	3,94	1,00
10	Potensi Terjatuh dari ketinggian pada saat pekerjaan pembesian pilar/abutmen jembatan	18	0	0	4	1	13	4,50	0,86
11	Potensi tertusuk material tajam pada saat pekerjaan pembesian pedestal	18	0	5	0	3	10	4,00	1,33
12	Potensi tertimpa material Corrugated Steel Plate (CSP) akibat sling Crawler Crane putus	18	3	2	4	5	4	3,28	1,41
13	Potensi Tertimpa Material Girder akibat beban melebihi safety faktor sling/shackle pada Crawler Crane	18	0	0	5	1	12	4,39	0,92
14	Potensi Bekisting Roboh akibat material tidak sesuai	18	0	0	5	5	8	4,17	0,86
15	Luka sayat pada bagian tangan akibat ujung besi tajam pada pekerjaan baja tulangan dan pengikatan baja tulangan secara manual	18	0	0	5	2	11	4,33	0,91
16	Potensi terjatuh akibat pekerjaan diatas elevasi tinggi	18	0	2	5	3	8	3,94	1,11
17	Luka bakar dan gangguan pernafasan pada pekerjaan perkerasan jalan	18	0	3	6	1	8	3,78	1,22
18	Potensi kerusakan mata akibat tidak menggunakan kacamata safety pada saat pekerjaan welding	18	0	1	1	7	9	4,33	0,84
19	Potensi Jatuh dari ketinggian akibat perancah tidak sesuai standar	18	0	0	4	7	7	4,17	0,79

Keterangan :

1. Angka diatas diambil berdasarkan berapa banyak jumlah responden yang memilih (Sangat Tidak Setuju (1), Tidak Setuju (2), Netral (3), Setuju (4), Sangat Setuju (5)) per-indikator pernyataan yang ada.
2. Data yang diambil adalah angka paling kecil dan paling besar dari repon sampel responden terhadap pernyataan yang diajukan.