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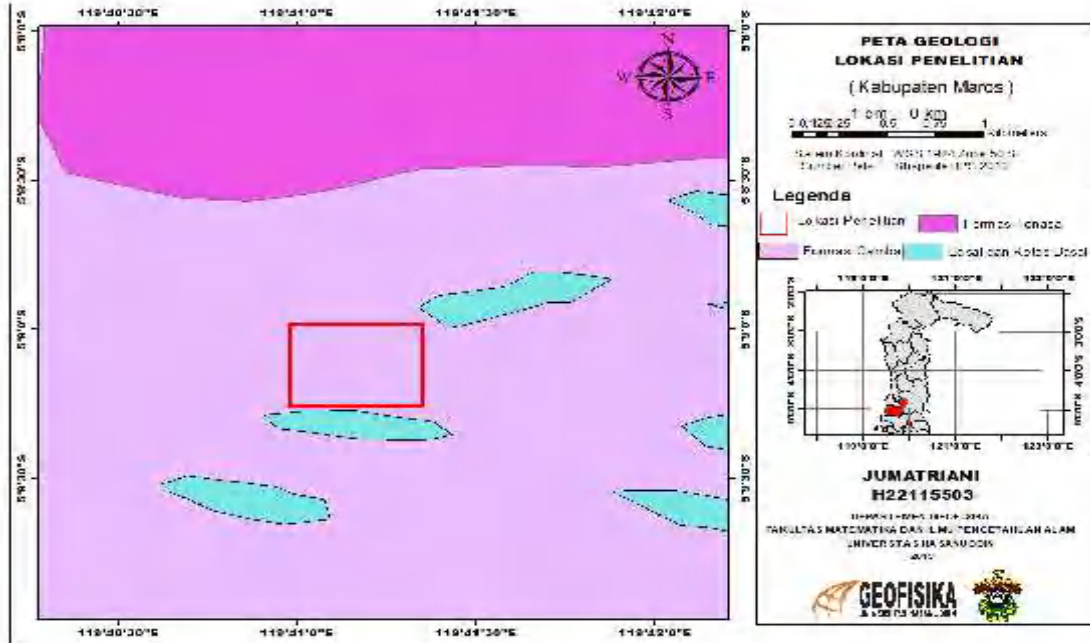


LAMPIRAN 1

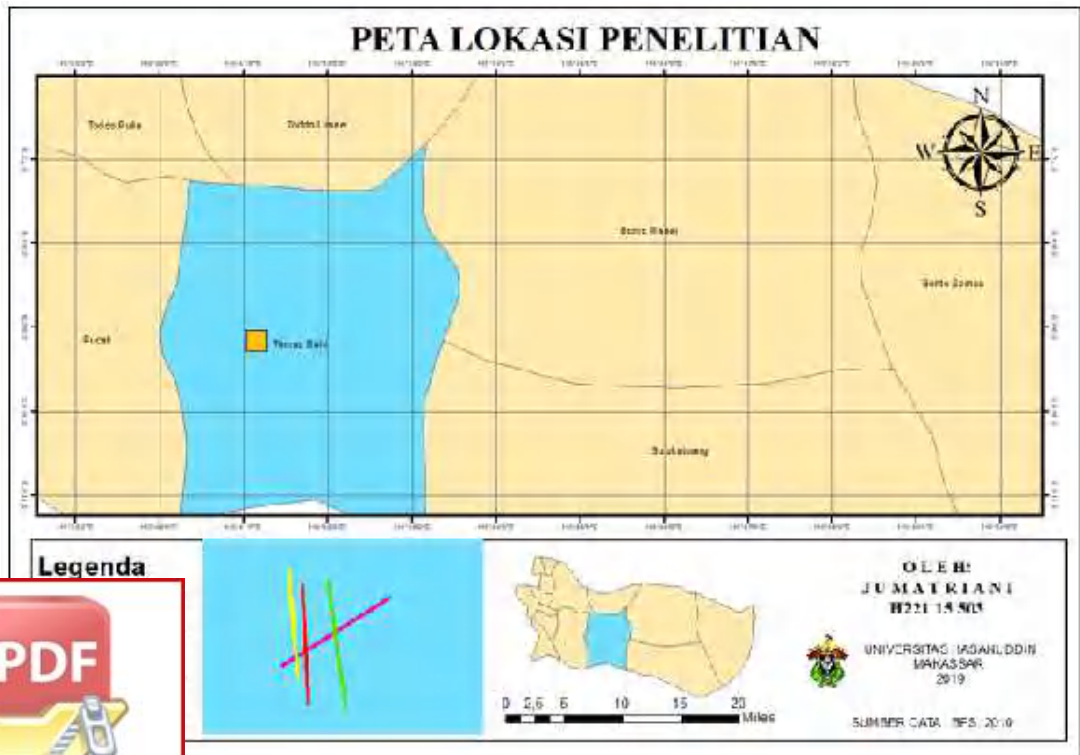
Peta Geologi
Peta Lokasi Penelitian
Peta Lintasan



Peta Geologi



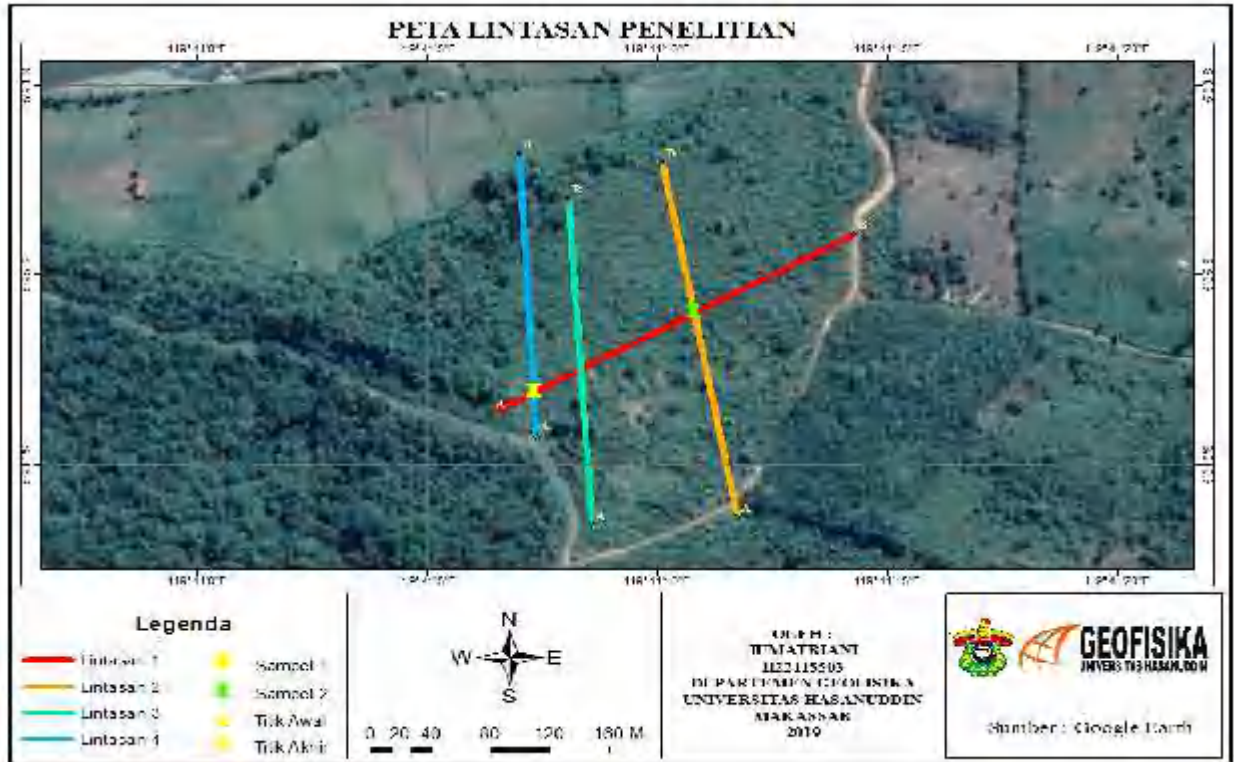
Peta Lokasi Penelitian



PDF

Optimization Software:
www.balesio.com

Peta Lintasan

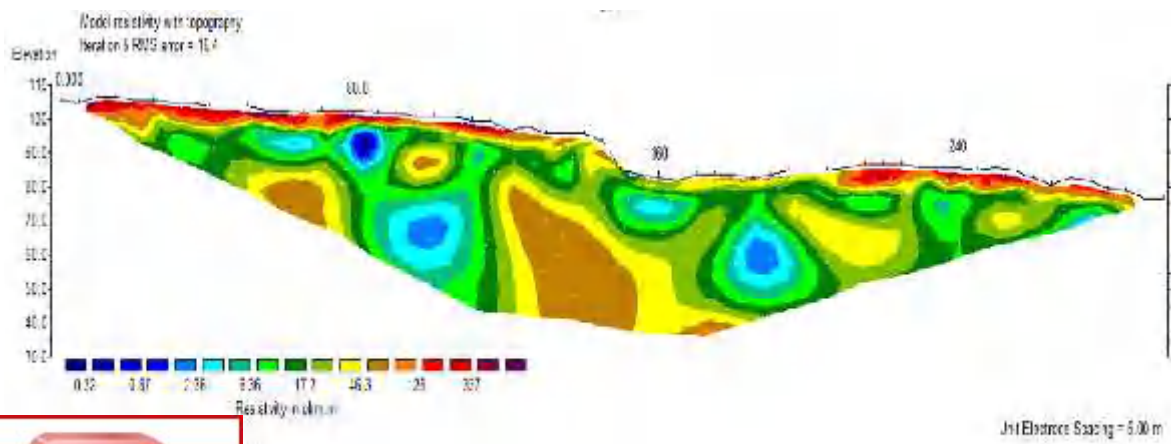
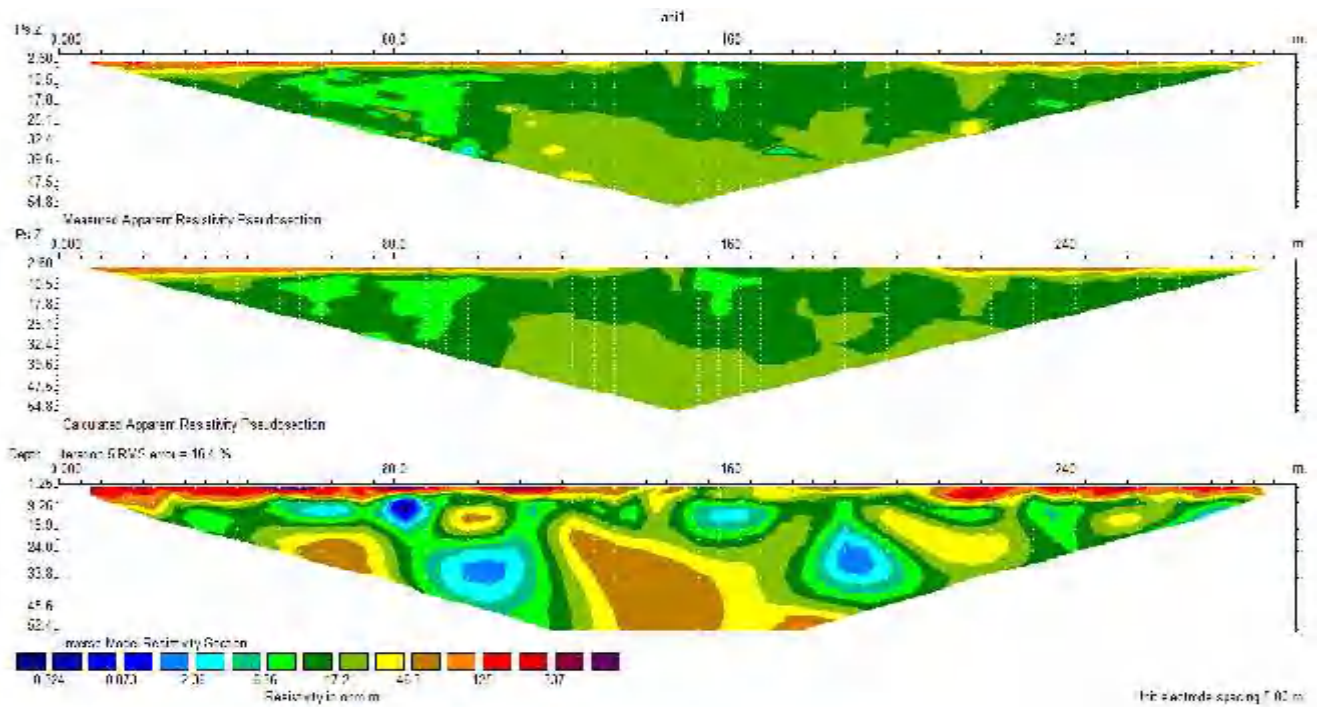


LAMPIRAN 2

Hasil Penampang Geolistrik



Lintasan 1

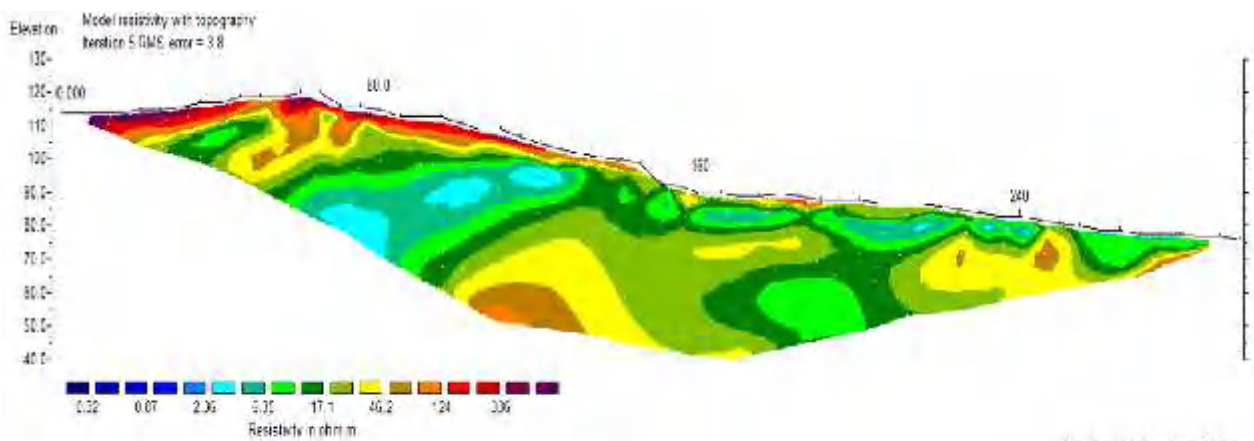
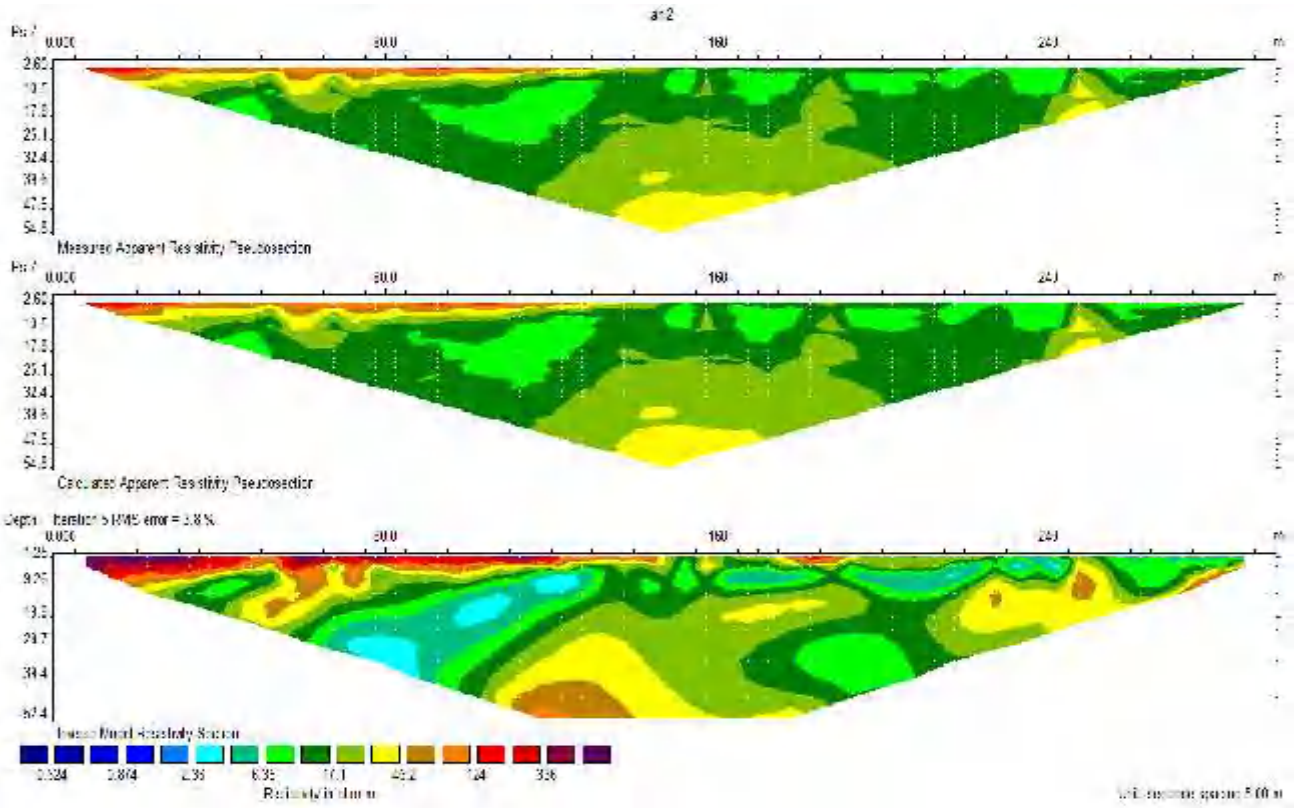




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Optimization Software:
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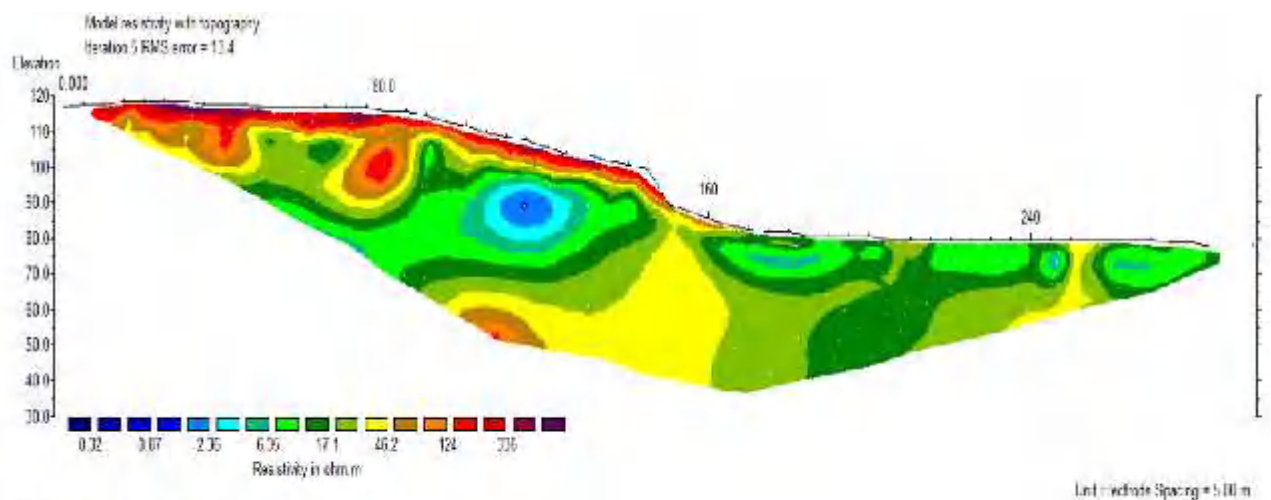
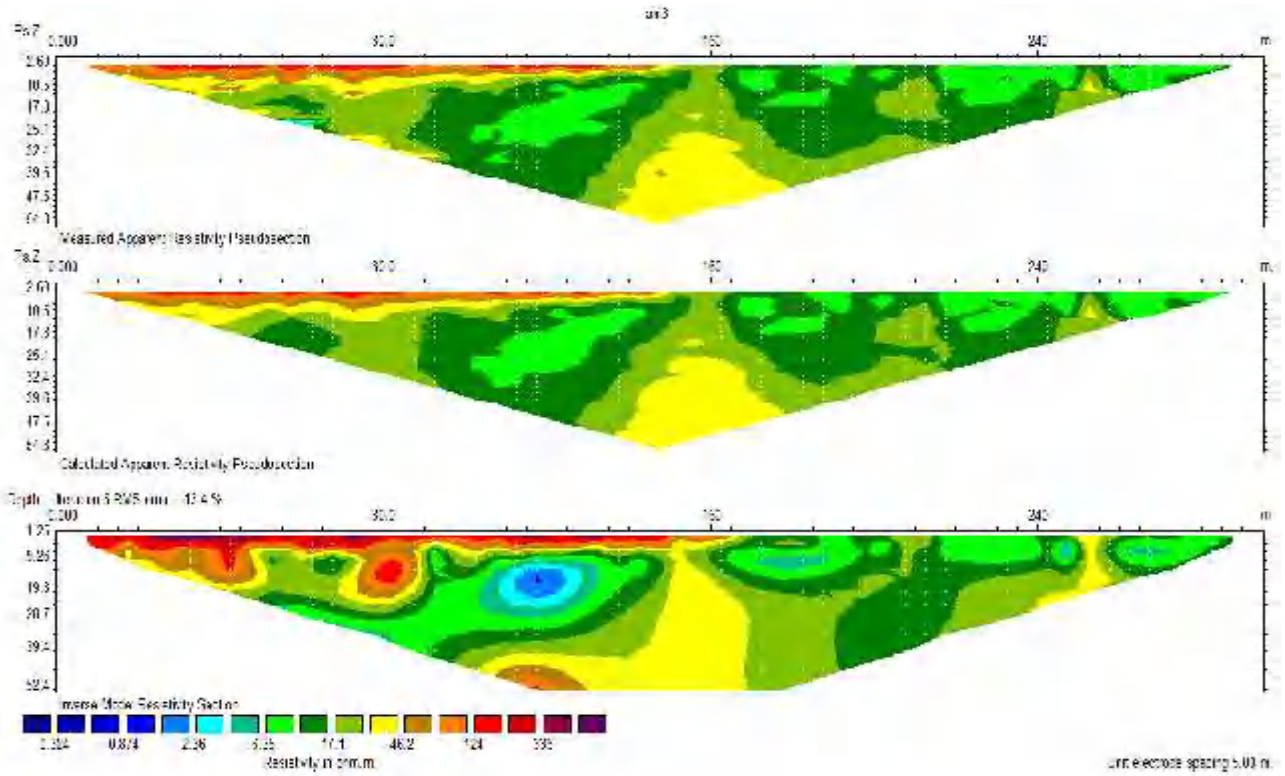
Lintasan 2





Optimization Software:
www.balesio.com

Lintasan 3

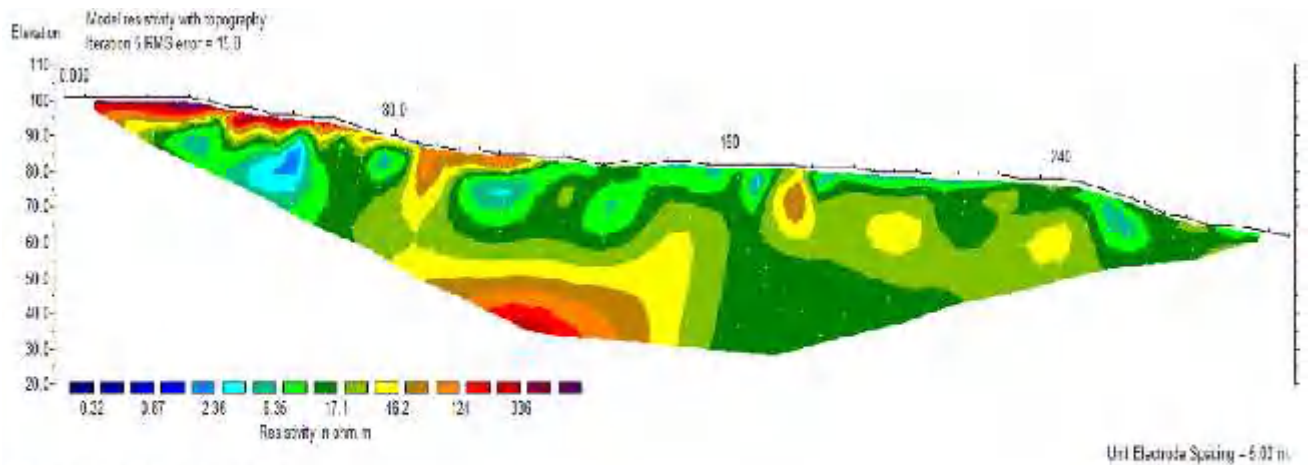
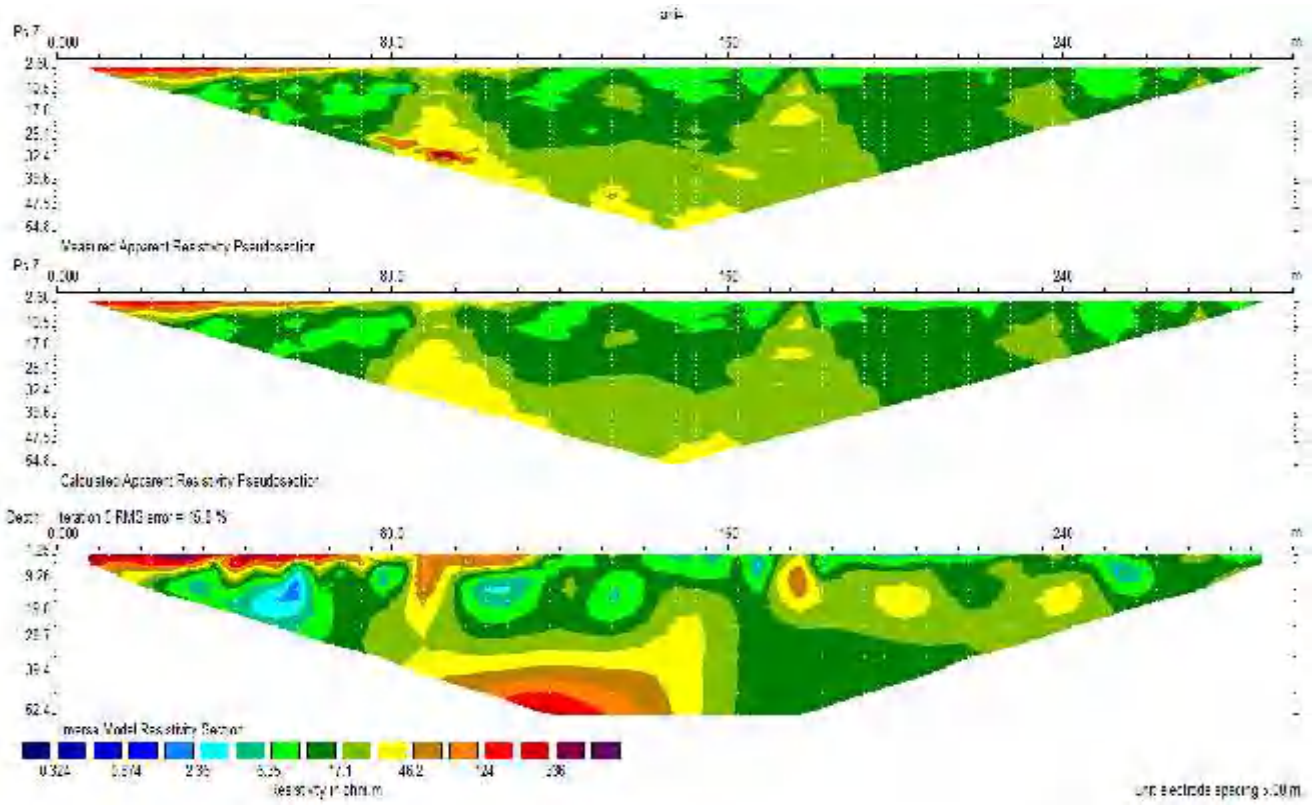


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Optimization Software:
www.balesio.com

Lintasan 4





0.61

Optimization Software:
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LAMPIRAN 3
Hasil Uji Laboratorium
Mekanika Tanah



PEMERIKSAAN BERAT ISI ()
ASTM D 2216-98, AASHTO T 92-68

Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 1
 Tanggal Uji : 04 Maret 2019

	satuan	I	II
Berat ring + tanah basah	gram	184.794	184.647
Berat ring kosong	gram	67.680	67.680
Berat tanah basah	gram	117.11	116.97
Berat tanah kering	gram	76.61	80.76
Kadar Air	%	52.86	44.83
Diameter dalam ring	cm	6.35	6.35
Tinggi ring	cm	2.10	2.10
Volume tanah	cm ³	66.47	66.47
Berat volume basah	grm/cm ³	1.76	1.76
Berat volume kering	grm/cm ³	1.15	1.21

Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 2
 Tanggal Uji : 04 Maret 2019

Percobaan	Satuan	I	II
Berat ring + tanah basah	Gram	183.969	184.666
Berat ring kosong	Gram	67.680	67.680
Berat tanah basah	Gram	116.29	116.99
Berat tanah kering	Gram	82.44	81.50
Kadar Air	%	41.05	43.55
Diameter dalam ring	Cm	6.35	6.35
Tinggi ring	Cm	2.10	2.10
Volume tanah	cm ³	66.47	66.47
Berat volume basah	grm/cm ³	1.75	1.76
Berat volume kering	grm/cm ³	1.24	1.23



PEMERIKSAAN KADAR AIR

Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 1
 Tanggal Uji : 04 Maret 2019

Percobaan	-	I	II
Nomor cawan	-	56	33
Berat Cawan kosong (W_1)	Gram	13.243	13.447
Berat Cawan + tanah basah, (W_2)	Gram	54.288	61.567
Berat Cawan + tanah kering, (W_3)	Gram	41.793	46.690
Berat Air, (W_w)= $\{(W_2)-(W_3)\}$	Gram	12.495	14.877
Berat tanah kering, (W_s)= $\{(W_3)-(W_1)\}$	Gram	28.550	33.243
Kadar air, $w=(W_w)/(W_s)*100\%$	Gram	43.765	44.752
Average of Water Content (Ratio), w	%	44.259	

ASTM D 2216-98, AASHTO T 92-68

Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 2
 Tanggal Uji : 04 Maret 2019

Percobaan	-	I	II
Nomor cawan	-	21	13
Berat Cawan kosong (W_1)	Gram	13.343	15.482
Berat Cawan + tanah basah, (W_2)	Gram	70.597	66.459
Berat Cawan + tanah kering, (W_3)	Gram	54.500	52.070
Berat Air, (W_w)= $\{(W_2)-(W_3)\}$	Gram	16.097	14.389
$\{(W_3)-(W_1)\}$	Gram	41.157	36.588
$\})*100\%$	Gram	39.111	39.327
nt (Ratio), w	%	39.219	



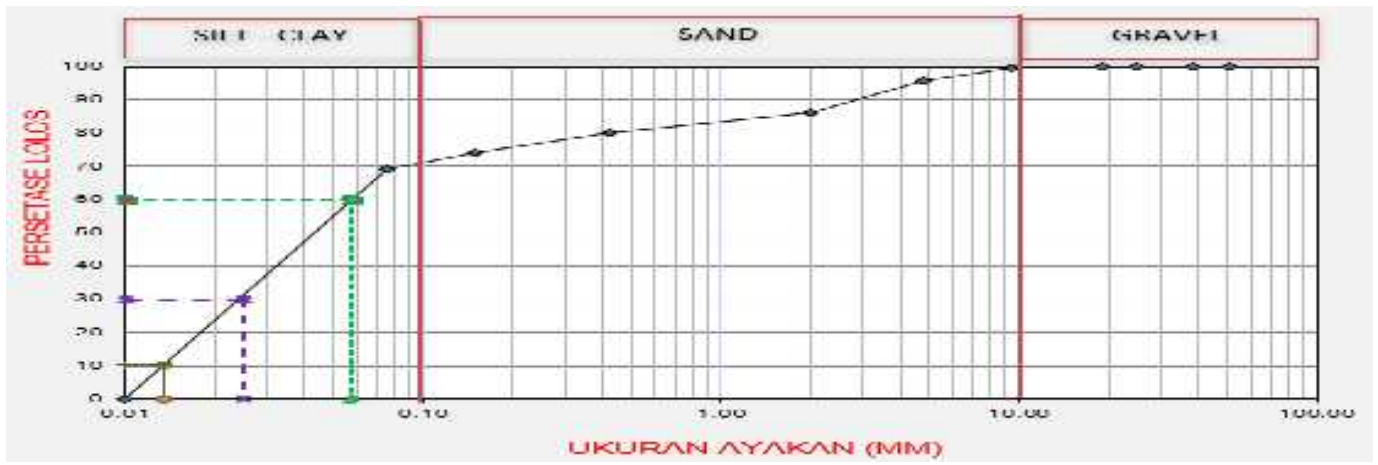
ANALISA SARINGAN

SNI 03- 1968-1990/ ASTM D 422

Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 1
 Tanggal Uji : 04 Maret 2019

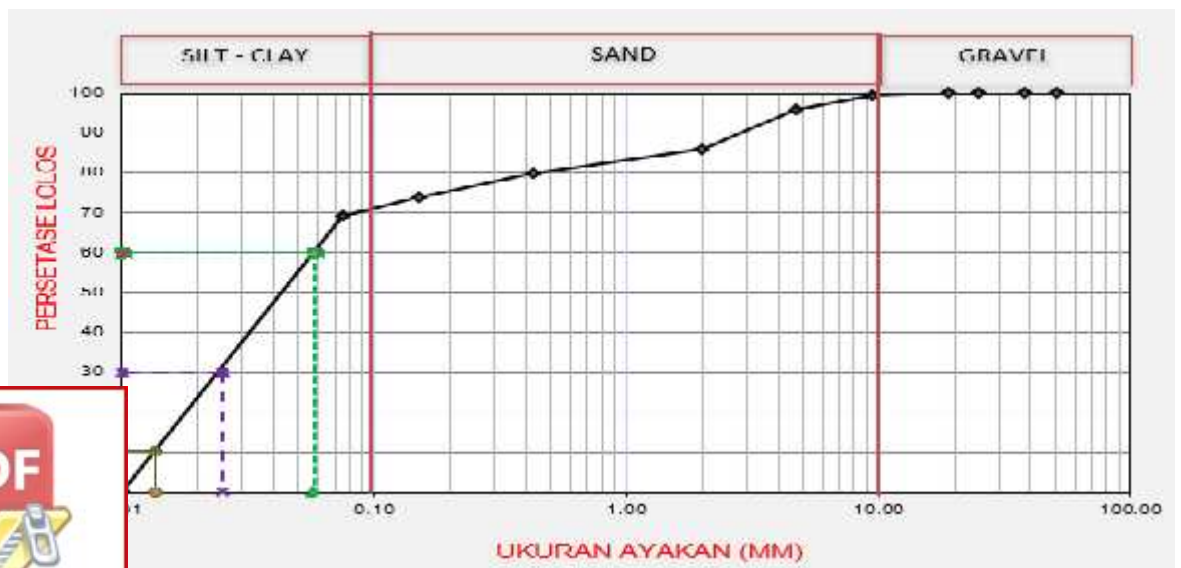
NOMOR SARINGAN	UKURAN SARINGAN (MM)	BERAT TERTAHAN	KOMULATIF TERTAHAN	PERSEN TERTAHAN	PERSEN LOLOS
2"	50.800	0.00	0.00	0.00	100.00
1 1/2"	38.100	0.00	0.00	0.00	100.00
1"	25.000	0.00	0.00	0.00	100.00
3/4"	19.000	0.00	0.00	0.00	100.00
3/8"	9.500	1.098	1.10	0.55	99.45
No.4	4.750	7.434	8.53	4.25	95.75
No.10	2.000	19.659	28.19	14.05	85.95
No.40	0.425	12.225	40.42	20.14	79.86
No.100	0.150	12.122	52.54	26.18	73.82
No.200	0.075	21.637	62.05	30.92	69.08
PAN	0	138.62	200.67	100.00	0.00
Coarse Agregat	=	4.25 %		D60 =	0.06
Fine Agregat	=	26.67 %		D30 =	0.03
Persen Clay	=	69.08 %		D10 =	0.01
		Cu =	4.296	Cc =	0.8





Proyek : Penelitian
 Nama/ Nim : Jumatriani/ H22115503
 Lokasi Sampel : Maros
 Contoh Tanah : Sampel 2
 Tanggal Uji : 04 Maret 2019

NOMOR SARINGAN	UKURAN SARINGAN (MM)	BERAT TERTAHAN	KOMULATIF TERTAHAN	PERSEN TERTAHAN	PERSEN LOLOS
2"	50.800	0.00	0.00	0.00	100.00
1 1/2"	38.100	0.00	0.00	0.00	100.00
1"	25.000	0.00	0.00	0.00	100.00
3/4"	19.000	0.00	0.00	0.00	100.00
3/8"	9.500	1.098	1.10	0.55	99.45
No.4	4.750	7.434	8.53	4.25	95.75
No.10	2.000	19.659	28.19	14.05	85.95
No.40	0.425	12.225	40.42	20.14	79.86
No.100	0.150	12.122	52.54	26.18	73.82
No.200	0.075	21.637	62.05	30.92	69.08
PAN	0	138.62	200.67	100.00	0.00
Coarse Agregat	=	4.25 %		D60 =	0.06
Fine Agregat	=	26.67 %		D30 =	0.03
Persen Clay	=	69.08 %		D10 =	0.01
		Cu =	4.296	Cc =	0.8

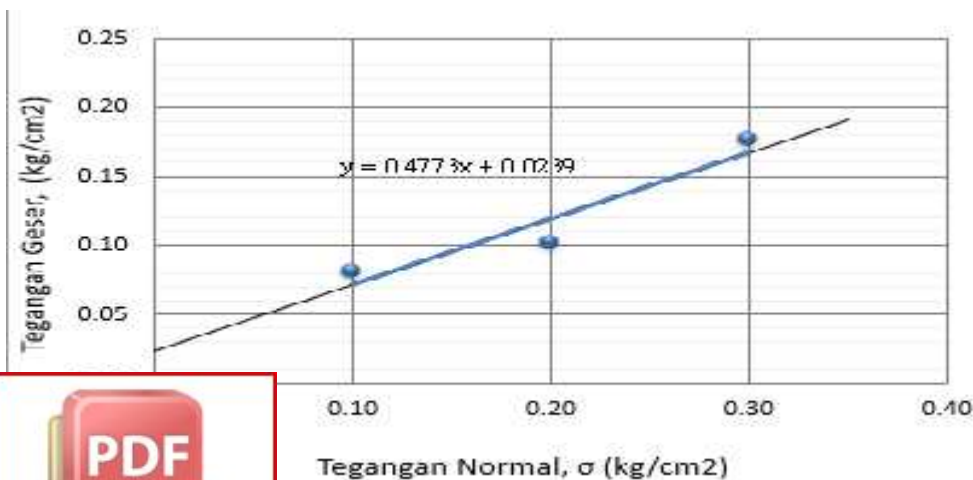


GESER LANGSUNG

ASTM D-3080

Proyek : Penelitian Skripsi
 Nama/Nim : JUMATRIANI/H22115503
 Lokasi Sampel : Maros
 Lokasi Uji : Laborat
 Kedalaman Sampel : 1 mtr
 Kalibrasi Prov Ring : 0.047 kg/div
 Sampel : 1
 Tanggal Uji : 04 Maret 2019
 Dimensi Sampel : 6.35 cm
 Luas Sampel : 31.67 cm²

Waktu (Menit)	P ₁ = 3.167 kg			P ₂ = 6.334 kg			P ₃ = 9.501 kg		
	s ₁ = 0.10000 kg/cm ²			s ₂ = 0.20000 kg/cm ²			s ₃ = 0.30001 kg/cm ²		
	Pembacaan (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)	Pemb (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)	Pembacaan (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)
1	15			25			31		
2	21			34			49		
3	31			36			58		
4	45			51			64		
5	54	2.55	0.08	63			82		
6	54			66			99		
7				68	3.21	0.10	107		
8				68			115		
9							118	5.57	0.18
10							118		



Sudut Geser (α) = 25 °
Nilai Kohesi (c) = 0.02 kg/cm ²



GESER LANGSUNG

ASTM D-3080

Proyek : Penelitian Skripsi Tanggal Uji : 04 Maret 2019
 Nama/Nim : JUMATRIANI/H22115503
 Lokasi Sampel : Maros
 Lokasi Uji : Laborat
 Kedalaman Sampel : 1 mtr Dimensi Sampel : 6.35 cm
 Kalibrasi Prov Ring : 0.047 kg/div Luas Sampel : 31.67 cm²
 Sampel : 2

Waktu (Menit)	P ₁ = 3.167 kg			P ₂ = 6.334 kg			P ₃ = 9.501 kg		
	s ₁ = 0.10000 kg/cm ²			s ₂ = 0.20000 kg/cm ²			s ₃ = 0.30001 kg/cm ²		
	Pembacaan (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)	Pemb (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)	Pembacaan (div)	Gaya Geser (kg)	Tegangan Geser (kg/cm ²)
1	16			26			39		
2	23			32			34		
3	30			38			58		
4	38			45			70		
5	45			52			78		
6	52			56			84		
7	55	2.60	0.08	57			87		
8	55			62			90		
9				76	3.59	0.11	93		
10				76			104		
11							113	5.34	0.17
12							113		



Sudut Geser
(α) = 23°

Nilai Kohesi
(c) = 0.03 kg/cm



SPECIFIC GRAVITY TEST

SNI 1964 : 2008 / ASTM D 854 - 00/ AASHTO T. 100

Sample 1

Nomor piknometer	Unit	3c	3D
Berat pikno meter ksong	grm	30.099	33.707
Berat Piknometer + Tanah	grm	41.892	56.326
Berat Piknometer + Tanah + Air	grm	87.145	146.887
Berat Piknometer + Air	grm	79.793	132.762
Faktor Koreksi Suhu	grm	0.9989	0.9989
Berat Jenis (Gs)		2.65	2.66
Nilai Rata - rata		2.66	

Sample 2

Nomor piknometer	Unit	1C	4D
Berat pikno meter ksong	grm	18.616	31.495
Berat Piknometer + Tanah	grm	30.355	51.195
Berat Piknometer + Tanah + Air	grm	76.163	142.773
Berat Piknometer + Air	grm	68.859	130.549
Faktor Koreksi Suhu	grm	0.9989	0.9989
Berat Jenis (Gs)		2.64	2.63
Nilai Rata - rata		2.64	

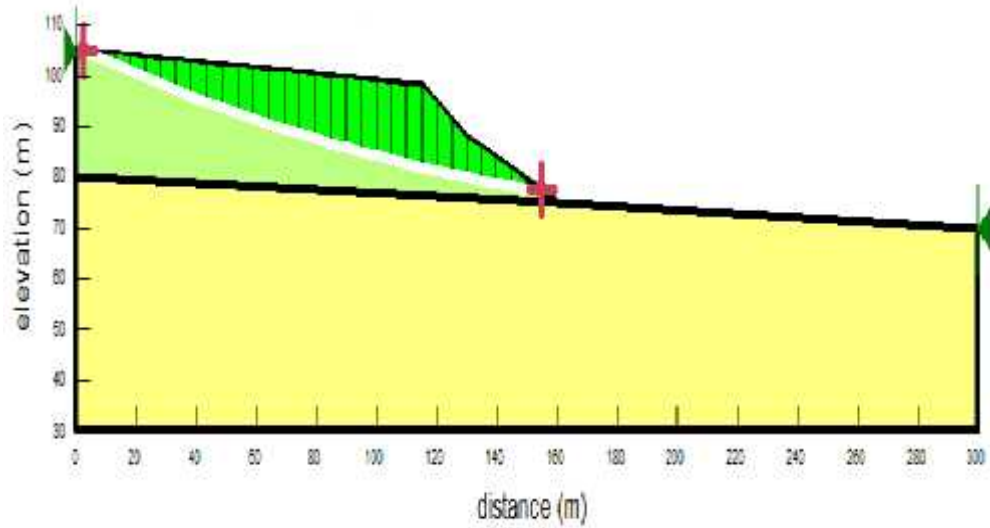


LAMPIRAN 4

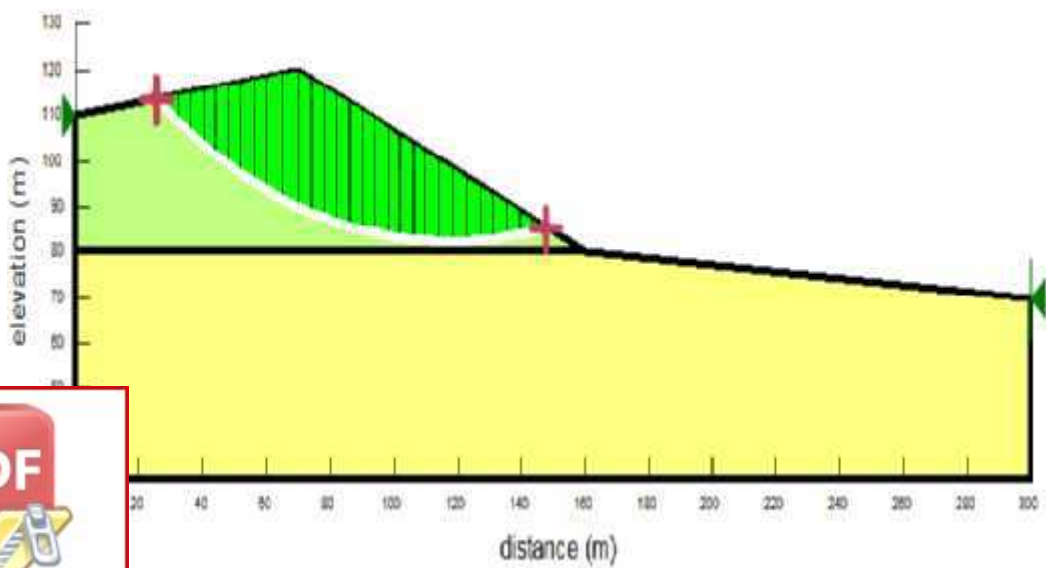
Hasil Pemodelan Lereng



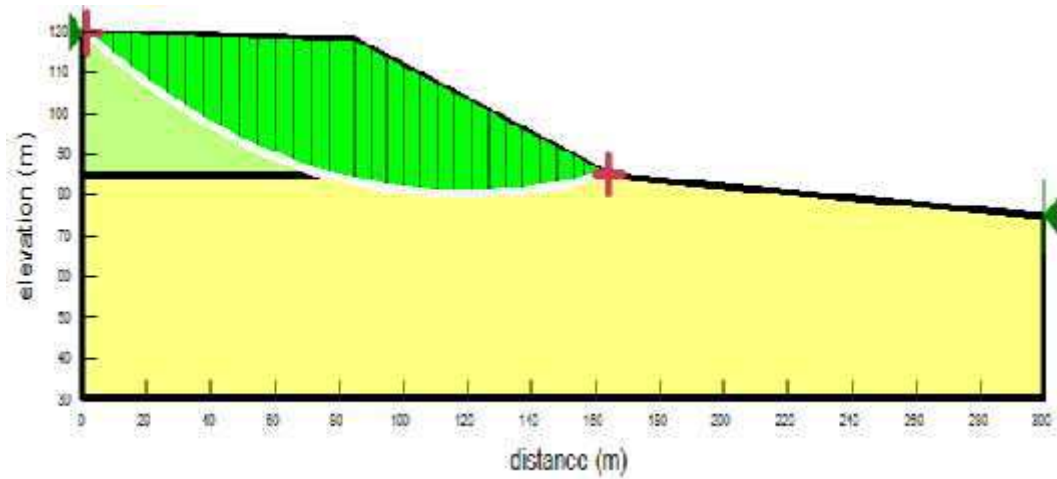
Hasil Pemodelan Leteng Lintasan 1



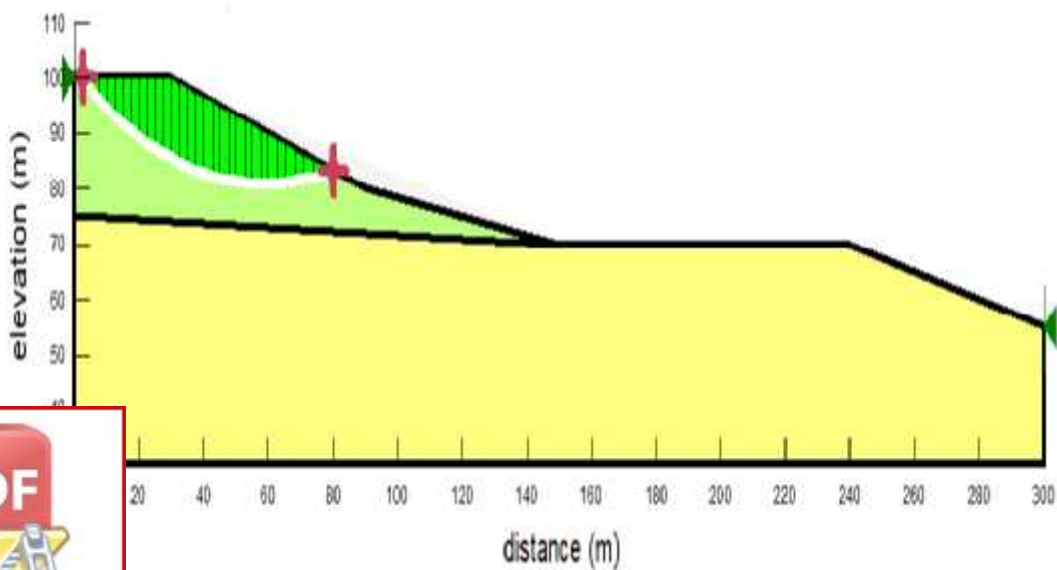
Hasil Pemodelan Leteng Lintasan 2



Hasil Pemodelan Leteng Lintasan 3



Hasil Pemodelan Leteng Lintasan 4



LAMPIRAN 5

Foto Kegiatan Pengukuran Geolistrik







Optimization Software:
www.balesio.com

LAMPIRAN 6

Foto Kegiatan Pengambilan Sampel



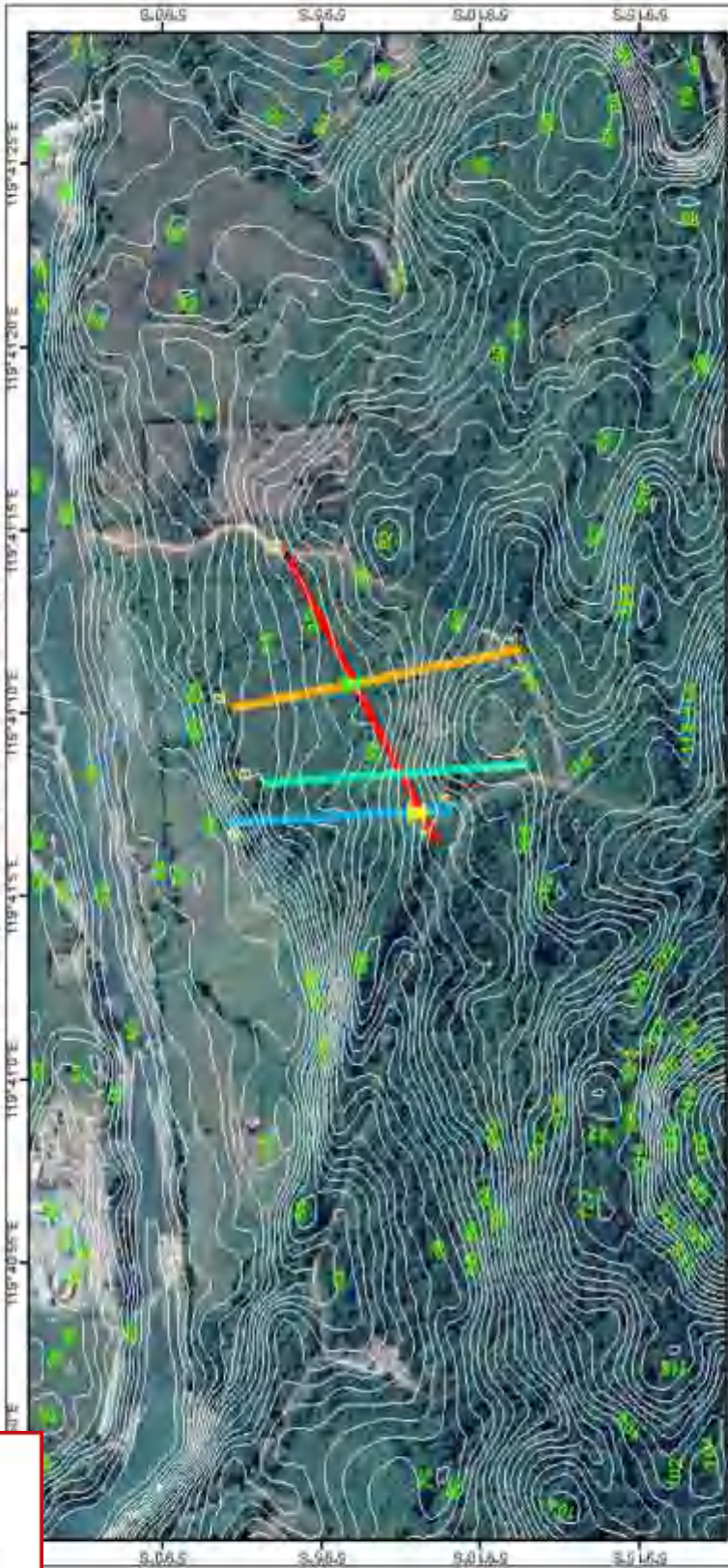


LAMPIRAN 7

Peta Kontur



PETA KONTUR PENELITIAN



Legenda

	Lintasan 1		Sampel 1
	Lintasan 2		Sampel 2
	Lintasan 3		Titik Awal
	Lintasan 4		Titik Akhir



OLEH :
JUMALRIANI
H22115503
DEPARTEMEN GEOFISIKA
UNIVERSITAS HASANUDDIN
MAKASSAR
2019

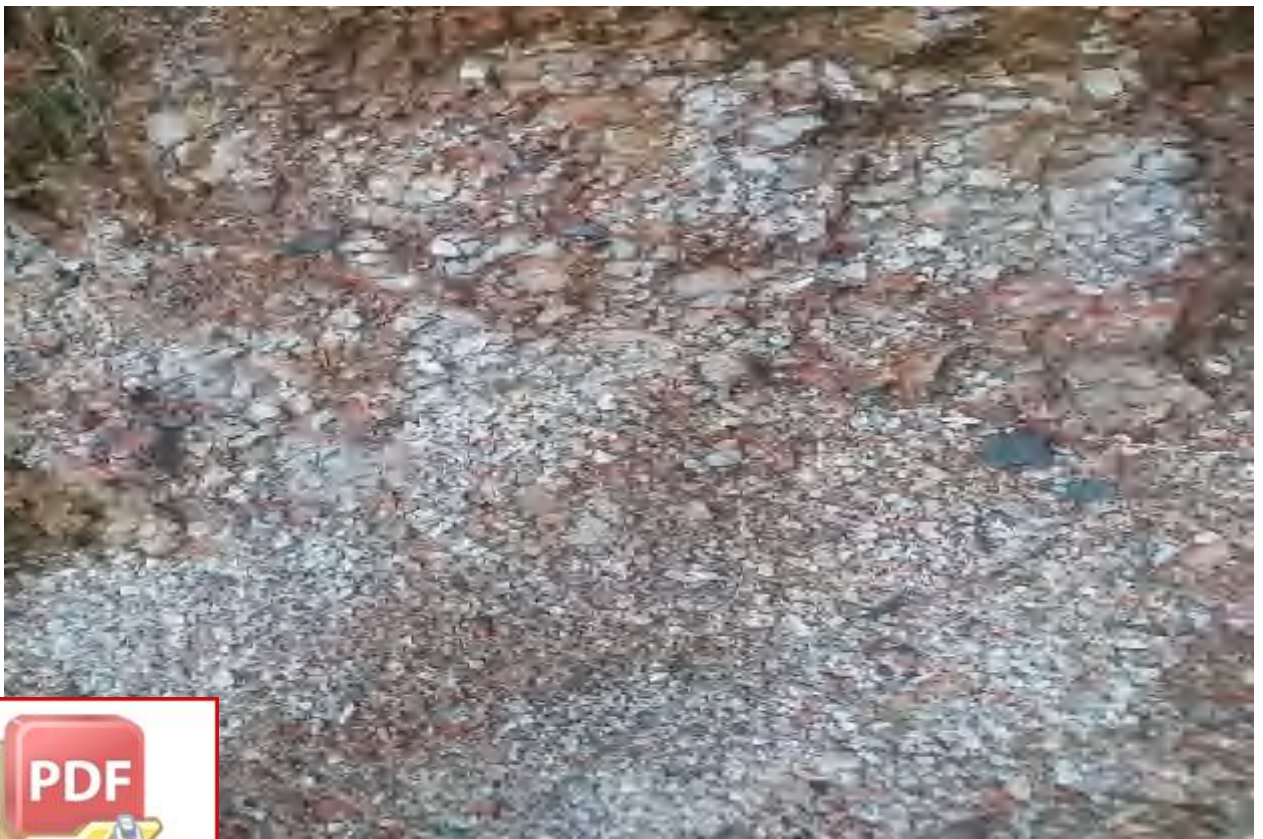
Sumber : Google Earth



LAMPIRAN 8

Foto Daerah Penelitian dan Batuan







Optimization Software:
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Optimization Software:
www.balesio.com

