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Lampiran

Tabel Perhitungan Lintasan

a. Tabel perhitungn lintasan 02 NS

Tabel 1 Perhitungan batas atas dan batas bawah lapisan saprolit lintasan 02 NS

Line	BH.ID	SapTop (ohm.m)	SapBot (ohm.m)
02NS	C173011	92.5	Tidak Lewat Kontur RES
	C196328	102.5	70
	C172985	132.5	92.5
	C196266	102.5	82.5
	C172969	Tidak Lewat Kontur RES	70
	C172942	115	55
Median		108.75	70
		110 (Dibulatkan)	
MIN		92.5	55
MAX		132.5	92.5
<i>Range RES Saptop</i>	<i>Range RES Sapbot</i>		
92.5 - 132.5	55 - 92.5		

Tabel 2 Perhitungan ketebalan lapisan saprolit lintasan 02 NS

KETEBALAN SAPROLIT LINE 02 NS			
BH.ID	SAPTOP ELEVASI	SAPBOT ELEVASI	KETEBALAN (m)
C196266	768.15	753.87	14.28
02NSa	774.27	759.94	14.33
02NSb	776.35	751.75	24.6
02NSc (Exc. C172985)	775.83	751.63	24.2
02NSd	777.04	757.62	19.42
02NSE	773.56	759.72	13.84
C196328	774.63	758.63	16
AVERAGE			18.09571429
MINIMUM TS			13.84
MAXIMUM TS			24.6

b. Tabel perhitungan lintasan 03 NS

Tabel 3 Perhitungan batas atas dan batas bawah lapisan saprolit lintasan 03 NS

Line	BH.ID	SapTop (ohm.m)	SapBot (ohm.m)
03NS	C196329	100	90
	C196297	172.5	90
	C196267	150	32.5
Median		150	90
MIN		100	90
MAX		172.5	90
<i>Range RES Saptop</i>		<i>Range RES Sapbot</i>	
100 - 172.5		90	

Tabel 4 Perhitungan ketebalan lapisan saprolit lintasan 03 NS

KETEBALAN SAPROLIT LINE 03 NS			
BH.ID	SAPTOP ELEVASI	SAPBOT ELEVASI	KETEBALAN (m)
C196267	785.5	774.5	11
03NSa	785.31	768.81	16.5
03NSb	784.35	765.6	18.75
C196297	783.64	760.75	22.89
03NSc	785.72	754.72	31
03NSd	781.43	751.11	30.32
03NSE (Exc. C196329)	781.56	756.56	25
<i>AVERAGE</i>			22.20857143
MINIMUM TS			11
MAXIMUM TS			31

c. Tabel perhitungan lintasan 04 EW

Tabel 5 Perhitungan batas atas dan batas bawah lapisan saprolit lintasan 04 EW

Line	BH.ID	SapTop (ohm.m)	SapBot (ohm.m)
04EW	C196264	67.5	52.5
	C196265	27.5	27.5
	C196266	127.5	102.5
	C196267	172.5	35
	C196268	122.5	227.5
	C196269	105	42.5
	C196270B	82.5	42.5
	C196271	180	Tidak Lewat Kontur RES
	Median		127.5
		130 (Dibulatkan)	40 (Dibulatkan)
MIN		105	27.5
MAX		180	52.5
<i>Range RES Saptop</i>	<i>Range RES Sapbot</i>		
105 – 180	27.5 - 52.5		

Tabel 6 Perhitungan ketebalan lapisan saprolit lintasan 04 EW

KETEBALAN SAPROLIT LINE 04 NS			
BH.ID	SAPTOP ELEVASI	SAPBOT ELEVASI	KETEBALAN (m)
C196265	749.5	744.5	5
04EWa	767.89	758.09	9.8
04EWb	764.7	756.43	8.27
C196266	769.15	757.51	11.64
04EWc	774.2	764.7	9.5
04EWd	782.28	774.51	7.77
C196267	784.5	774.5	10
AVERAGE			8.854285714
MINIMUM TS			5
MAXIMUM TS			11.64

d. Tabel perhitungan lintasan 05 EW

Tabel 7 Perhitungan batas atas dan batas bawah lapisan saprolit lintasan 05 EW

Line	BH.ID	SapTop (ohm.m)	SapBot (ohm.m)
05EW	C172987	60	52.5
	C196294	122.5	137.5
	C196295	210	52.5
	C196296	142.5	52.5
	C172985	120	82.5
	C196297	172.5	122.5
	C172984	200	30
	C196298	205	42.5
	C172983	200	25
	C196299	55	42.5
Median		186.25	47.5
		190 (Dibulatkan)	50 (Dibulatkan)
MIN		120	25
MAX		210	82.5
<i>Range RES Saptop</i>	<i>Range RES Sapbot</i>		
120 -210	25 - 82.5		

Tabel 8 Perhitungan ketebalan lapisan saprolit lintasan 05 EW

KETEBALAN SAPROLIT LINE 05 EW			
BH.ID	SAPTOP ELEVASI	SAPBOT ELEVASI	KETEBALAN (m)
C196296	771.22	764.22	7
05EWa	772.25	761.25	11
05EWb	777.8	760.92	16.88
05EWc (Exc.C172985)	780.76	764.91	15.85
05EWd	779	767.2	11.8
05EWe	782.2	766.7	15.5
C196297	784.6	770.6	14
AVERAGE			13.14714286
MINIMUM TS			7
MAXIMUM TS			16.88

e. Tabel perhitungan lintasan 06 EW

Line	BH.ID	SapTop (ohm.m)	SapBot (ohm.m)
06EW	C196325	262.5	82.5
	C196326	172.5	32.5
	C196327	102.5	35
	C196328	142.5	72.5
	C196329	117.5	87.5
	C196330	162.5	27.5
	C196331	177.5	95
	C196332	100	62.5
	C196333	117.5	20
	Median		142.5
		140 (Dibulatkan)	60 (Dibulatkan)
MIN		100	20
MAX		262.5	95
<i>Range RES SapTop</i>	<i>Range RES SapBot</i>		
100 - 262.5	20 – 95		

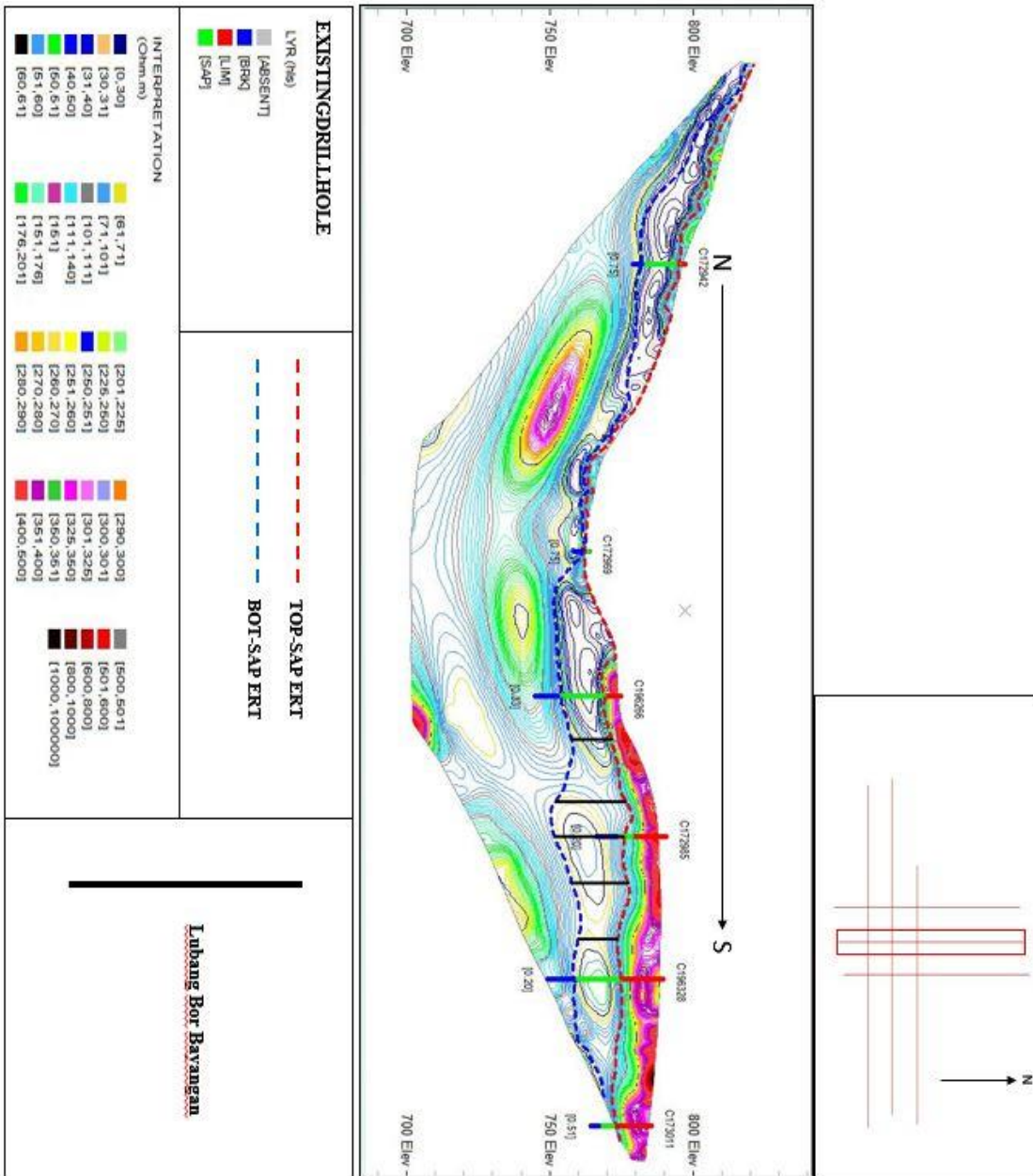
Tabel 9 Perhitungan batas atas dan batas bawah lapisan saprolit lintasan 06EW

Tabel 10 Perhitungan ketebalan lapisan saprolit lintasan 06 EW

KETEBALAN SAPROLIT LINE 06 EW			
BH.ID	SAPTOP ELEVASI	SAPBOT ELEVASI	KETEBALAN
06EWa (Exc. C196327)	774.4	762.1	12.3
06EWb	777.3	764.26	13.04
06EWc	776.2	760.5	15.7
C196328	773.7	760.7	13
06EWd	775.5	764.4	11.1
06EWe	777.2	770.9	6.3
C196329	781.2	774.2	7
AVERAGE			11.20571429
MINIMUM TS			6.3
MAXIMUM TS			15.7

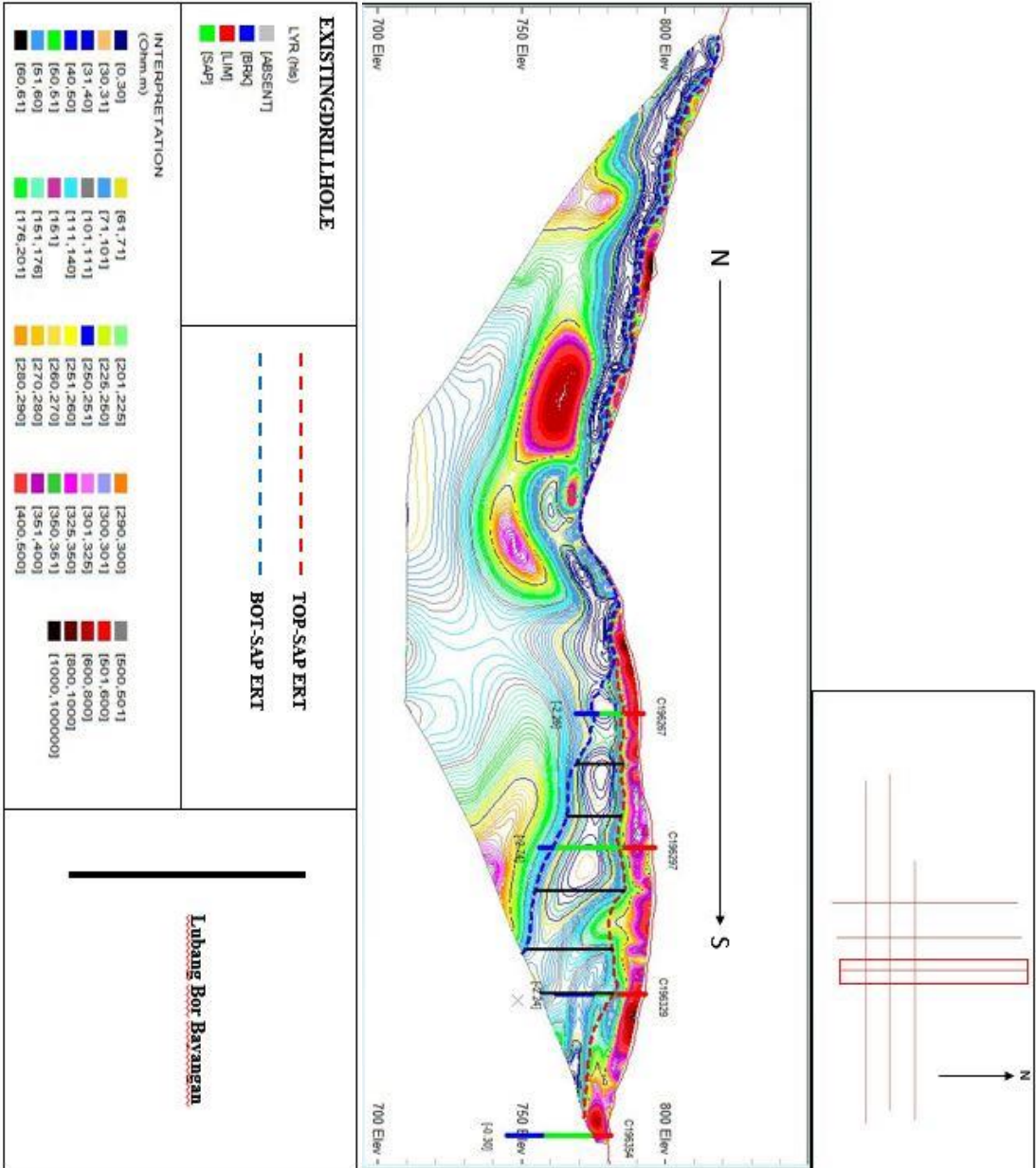
Penampang kontur resistivitas 2D lintasan

a. Penampang kontur resistivitas 2D lintasan 02 NS



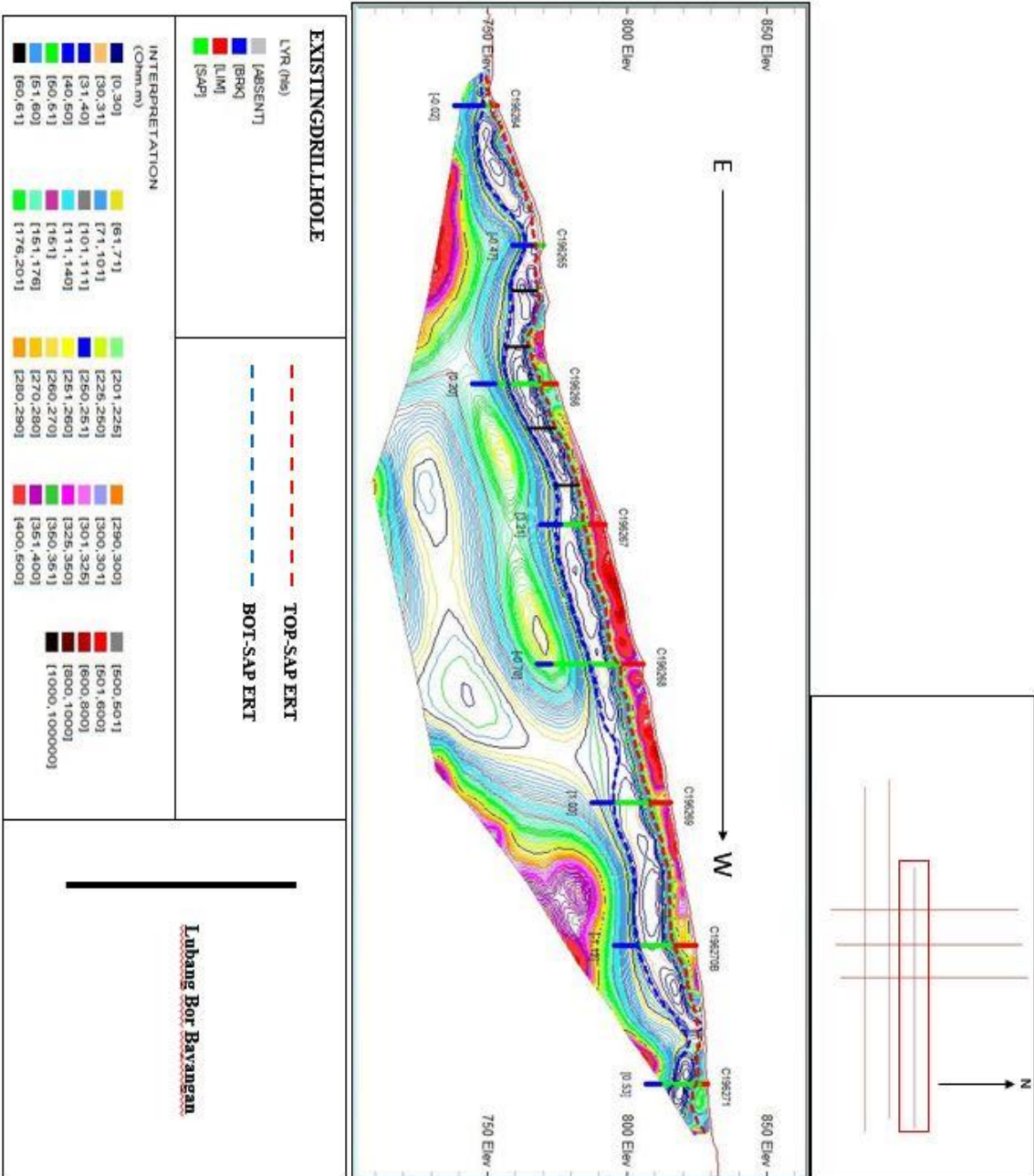
Gambar 1 Penampang kontur resistivitas 2D lintasan 02 NS dengan batas atas dan batas bawah lapisan saprolit.

b. Penampang kontur resistivitas 2D lintasan 03 NS



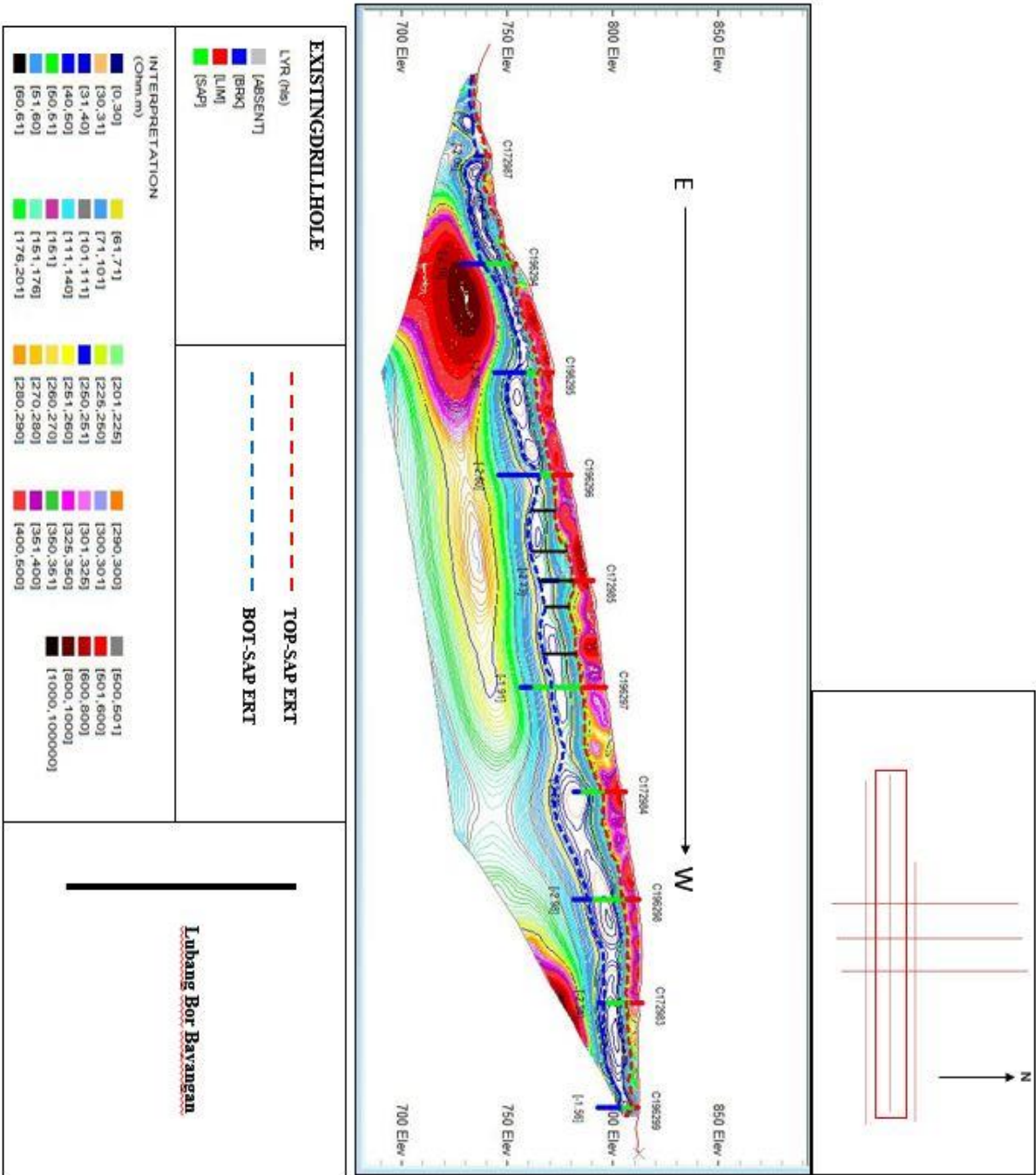
Gambar 2 Penampang kontur resistivitas 2D lintasan 03 NS dengan batas atas dan batas bawah lapisan saprotit.

c. Penampang kontur resistivitas 2D lintasan 04 EW



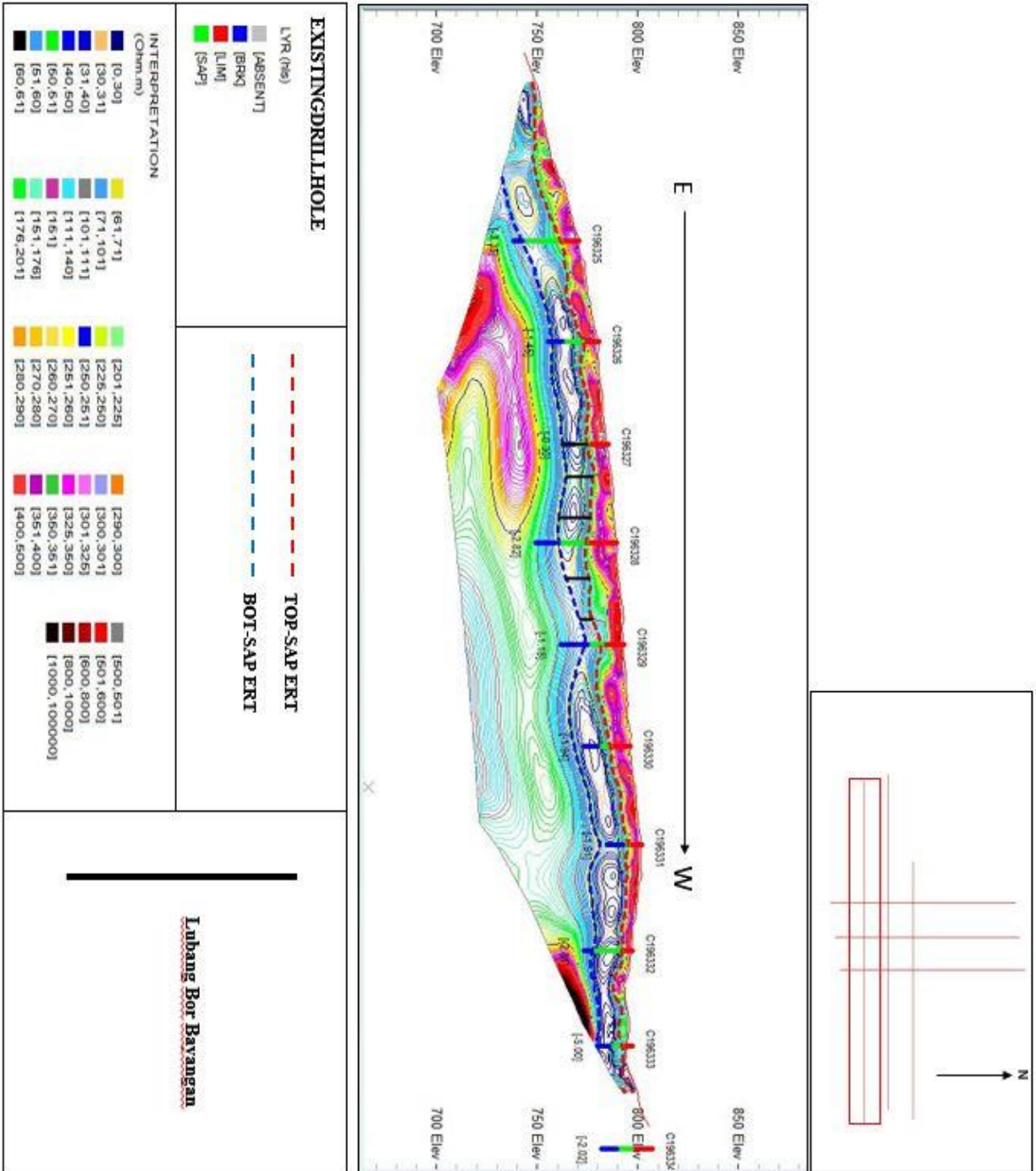
Gambar 3 Penampang kontur resistivitas 2D lintasan 04 EW dengan batas atas dan batas bawah lapisan saprofit.

d. Penampang kontur resistivitas 2D lintasan 05 EW



Gambar 4 Penampang kontur resistivitas 2D lintasan 05 EW dengan batas atas dan batas bawah lapisan saprotit.

e. Penampang kontur resistivitas 2D lintasan 06 EW



Gambar 5 Penampang kontur resistivitas 2D lintasan 06 EW dengan batas atas dan batas bawah lapisan saprolit.

Tabel Korelasi Data resistivitas vs Data assay kadar besi Fe

Keterangan	Resistivitas	Kadar Kimia Fe
Min	25	10.2
Max	40	12.7
Rata-rata	32.5	11.45
Standar deviasi (σ)	6.45	1.12
Korelasi (r)	5	

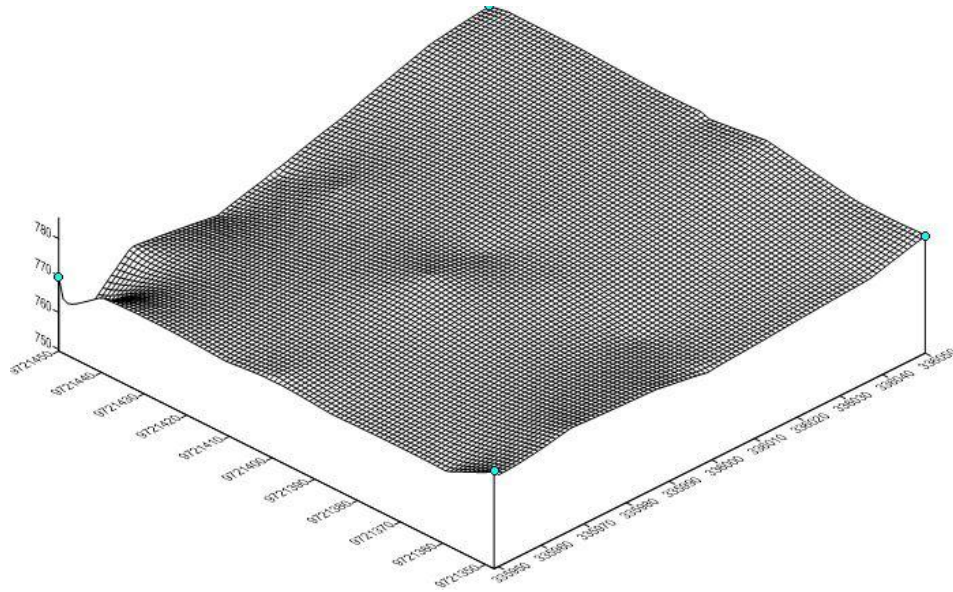
Keterangan	Resistivitas	Kadar Kimia Fe
Min	40	0.3
Max	90	20
Rata-rata	65	6.02
Standar deviasi (σ)	16.58	7.54
Korelasi (r)	4.7	

Keterangan	Resistivitas	Kadar Kimia Fe
Min	55	7.4
Max	95	20.2
Rata-rata	68.18	13.00
Standar deviasi (σ)	13.69306394	4.80
Korelasi (r)	8.3	

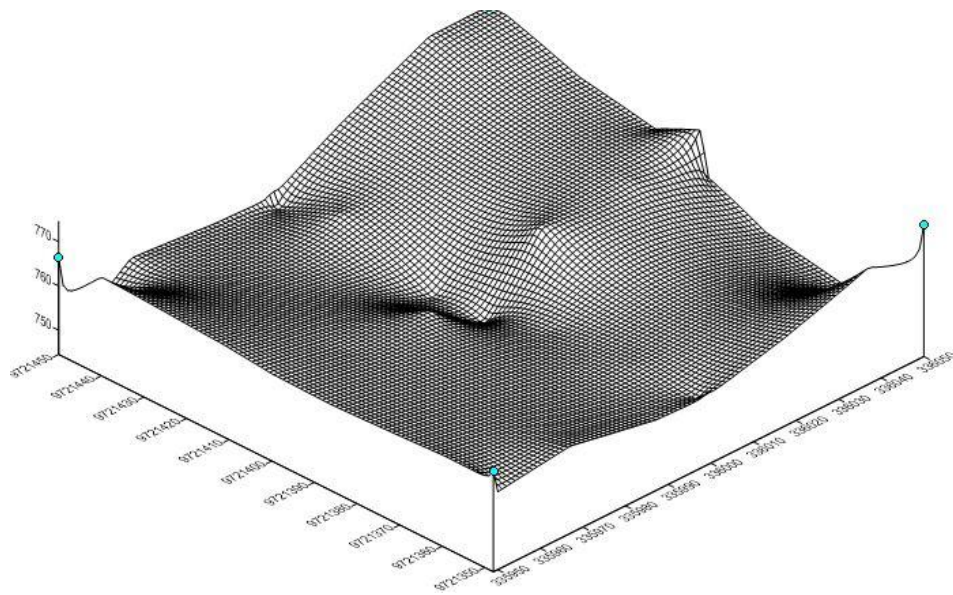
Keterangan	Resistivitas	Kadar Kimia Fe
Min	85	6.5
Max	120	20.3
Rata-rata	102.50	13.64
Standar deviasi (σ)	12.24744871	4.87
Korelasi (r)	7.8	

Keterangan	Resistivitas	Kadar Kimia Fe
Min	105	11.9
Max	120	18.1
Rata-rata	112.50	15.40
Standar deviasi (σ)	6.454972244	2.65
Korelasi (r)	5.5	

3D Wireframe



Gambar 6 3D *wireframe* batas atas lapisan saprolit daerah penelitian



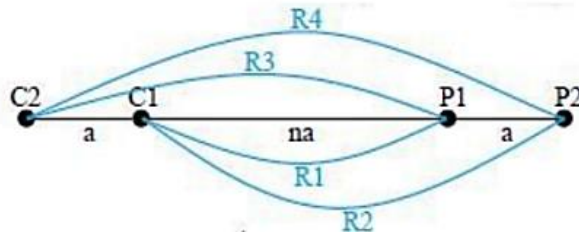
Gambar 7 3D *wireframe* batas bawah lapisan saprolit daerah penelitian

Kadar Rata-rata Nikel	(Daerah penelitian)	(Saprolit)
BH.ID	Kedalaman (m)	Kandungan Kimia (Kadar Fe (Besi))
C196265	2	1.01
C196265	3	1.78
C196265	3.32	1.79
C196265	4	1.5
C196266	6	1.73
C196266	7	0.87
C196266	8	1.41
C196266	9	1.55
C196266	10	1.46
C196266	11	1.47
C196266	12	1.57
C196266	13	-
C196266	13.46	1.16
C196266	14	1.65
C196266	15	1.31
C196267	9	1.65
c196267	10	1.68
C196267	11	1.15
C196267	12	1.06
C196267	13	1.67
C196267	13.46	1.47
C196267	14	1.75
C196267	15	1.43
C196267	16	1.27
C196296	11	1.75
C196296	11.42	-
C196296	12	1.32
C196296	13	1.25
C196296	14	1.2
C196296	14.16	-
C196296	15	1.57
C196296	16	1.27

C172985	13	2.04
C172985	13.6	2.03
C172985	13.85	-
C172985	14	2.74
C172985	15	1.77
C172985	15.23	2.06
C172985	15.58	1.73
C172985	16	-
C172985	17	1.49
C196297	13	1.52
C196297	13.52	1.77
C196297	14	-
C196297	14.17	-
C196297	15	2.15
C196297	16	1.66
C196297	16.54	1.58
C196297	17	-
C196297	17.6	-
C196297	18	1.56
C196297	18.48	1.67
C196297	19	-
C196297	20	1.78
C196297	21	1.44
C196297	22	1.19
C196297	23	1.54
C196297	24	1.51
C196297	25	1.55
C196297	26	1.59
C196297	26.71	1.46
C196297	27	-
C196297	27.37	1.48
C196297	28	-
C196297	28.58	2
C196297	29	1.94
C196297	29.36	1.8
C196297	29.67	-
C196297	30	2.06
C196297	31	-

C196297	32	1.6
C196297	33	1.81
C196297	34	1.68
C196297	35	0.91
C196297	35.77	1.12
C196297	36	1.21
C196327	11.35	2.39
C196327	12	2.34
C196327	13	2.1
C196327	14	1.77
C196327	15	1.7
C196328	16	1.48
C196328	17	1.33
C196328	18	-
C196328	19	1.85
C196328	19.38	1.81
C196328	19.58	-
C196328	20	1.66
C196328	21	1.92
C196328	22	1
C196328	23	1.59
C196328	24	1.47
C196328	25	1.36
C196328	26	1.3
C196328	27	1.22
C196328	28	1.01
C196328	29	1.01
C196328	30	1.06
C196328	31	1.03
C196328	32	0.04
C196329	12	1.02
C196329	13	1.71
C196329	14	0.81
C196329	14.69	0.72
C196329	15	1.75
C196329	16	1.62
C196329	16.28	-
C196329	17	1.94

Faktor Geometri *Dipole – dipole*



$$K = 2\pi \left(\frac{1}{\left(\frac{1}{R1} - \frac{1}{R2}\right)} - \left(\frac{1}{R3} - \frac{1}{R4}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{1}{na} - \frac{1}{(na+a)}\right)} - \left(\frac{1}{(na+a)} - \frac{1}{(2a+na)}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{(na+a) - na}{na(na+a)}\right)} - \left(\frac{(2a+na) - (na+a)}{(na+a)(2a+na)}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{a}{(na)^2 + na^2}\right)} - \left(\frac{a}{(na+a)(2a+na)}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{a}{(n^2+n)a^2}\right)} - \left(\frac{a}{(3na^2 + (na)^2 + 2a^2)}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{1}{(n^2+n)a}\right)} - \left(\frac{a}{(3n+n^2+2)a^2}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\left(\frac{1}{(n^2+n)a}\right)} - \left(\frac{1}{(3n+n^2+2)a}\right)} \right)$$

$$K = 2\pi \left(\frac{1}{\frac{1}{a} \left(\frac{1}{(n^2+n)}\right)} - \left(\frac{1}{(3n+n^2+2)}\right)} \right)$$

$$K = 2\pi a \left(\frac{1}{\left(\frac{(3n+n^2+2) - (n^2+n)}{(n^2+n)(3n+n^2+2)}\right)} \right)$$

$$K = \pi a n (n^2 + 3n + 2)$$

$$K = 2\pi a \left(\frac{1}{\left(\frac{3n - n + n^2 - n^2 + 2}{n^4 + 4n^3 + 5n^2 + 2n} \right)} \right)$$

$$K = 2\pi a \left(\frac{1}{\left(\frac{2n + 2}{n^4 + 4n^3 + 5n^2 + 2n} \right)} \right)$$

$$K = 2\pi a \left(\frac{1}{\left(\frac{2}{n} \left(\frac{n + 1}{n^4 + 4n^3 + 5n^2 + 2} \right) \right)} \right)$$

$$K = 2\pi a \times \frac{n}{2} \left(\frac{1}{\left(\frac{n + 1}{n^3 + 4n^2 + 5n + 2} \right)} \right)$$

$$K = \pi a n \left(\frac{1}{\left(\frac{n + 1}{(n^2 + 3n + 2)(n + 1)} \right)} \right)$$