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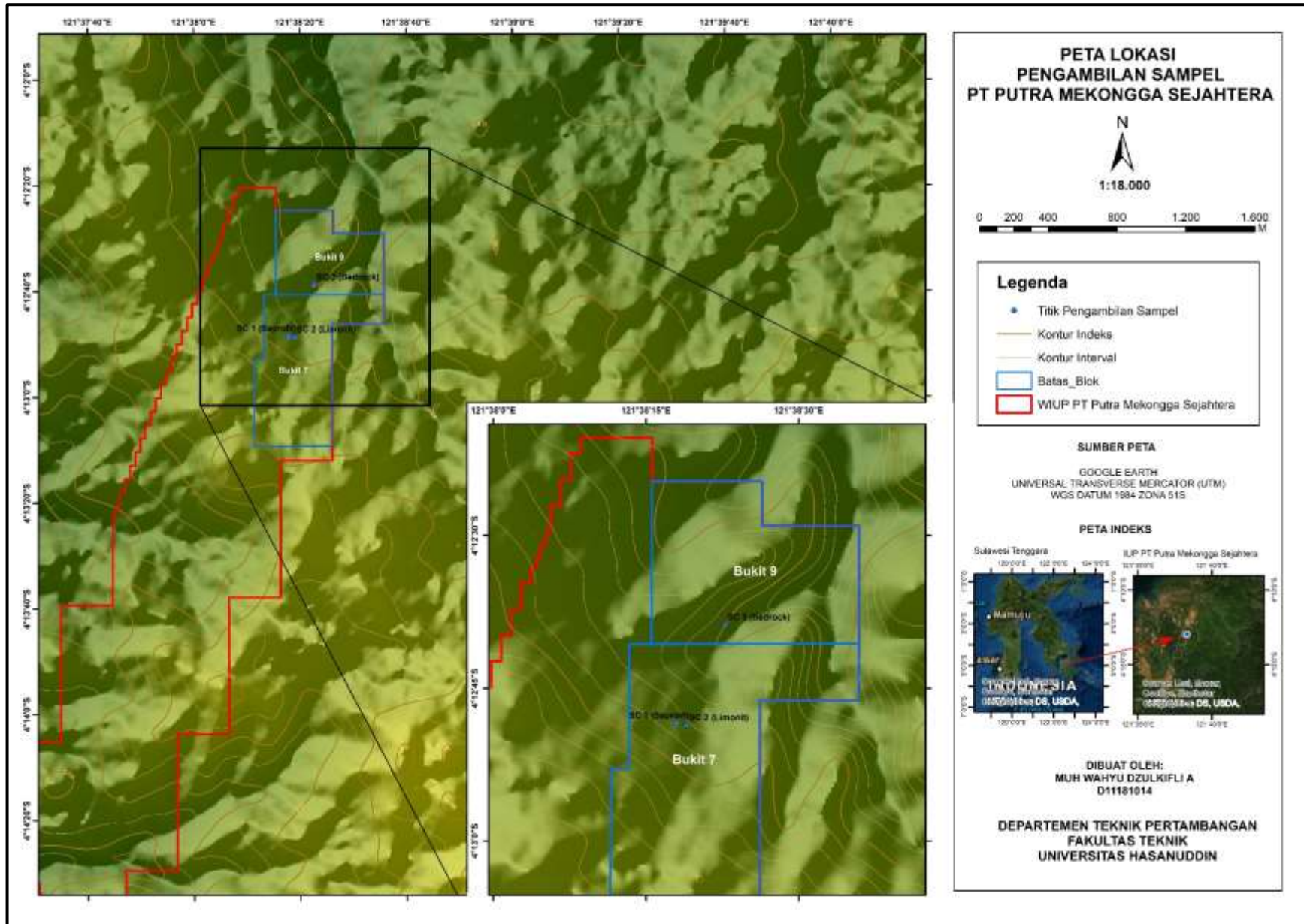
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LAMPIRAN

LAMPIRAN A

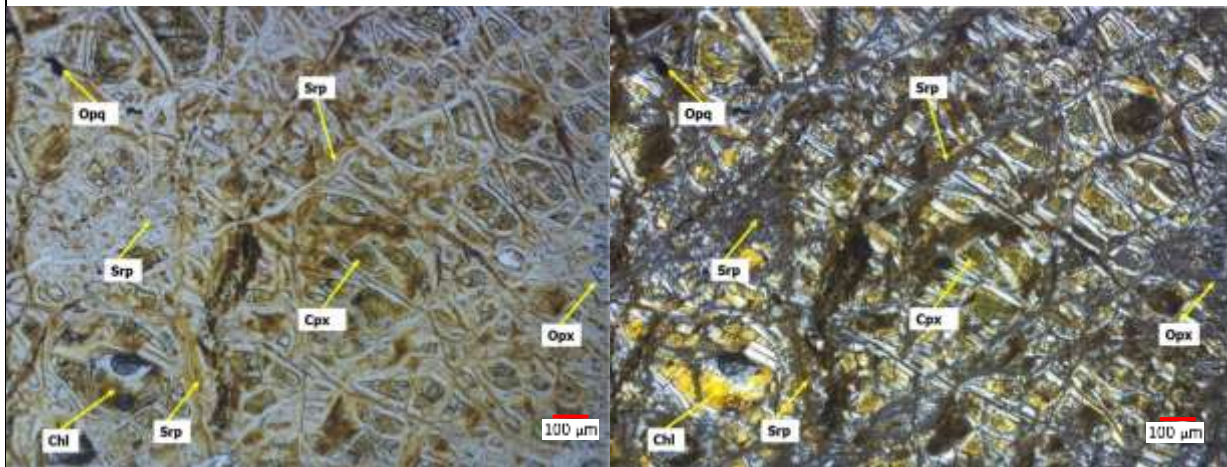
PETA LOKASI PENGAMBILAN SAMPEL PENELITIAN



LAMPIRAN B
DESKRIPSI ANALISIS PETROGRAFI

No. Sayatan : ST-BR01-A Nama Batuan : Peridotit
 Lokasi : PT Putra Mekongga Sejahtera

Foto



II - Nikol

X - Nikol

Tipe Batuan : Batuan Beku

Tipe Struktur : Masif

Klasifikasi : Streckeisen, 1976

Mikroskopis : Warna absorpsi transparan (*colourless*) pada nikol sejajar dan warna interferensi berwarna abu-abu kehijauan pada nikol silang, memiliki tekstur granularitas faneritik, kristalinitas holokristalin, bentuk subhedral – anhedral, dan relasi equigranular. Komposisi mineral terdiri dari serpentin, klorit, olivin, ortopiroksin dan mineral opak.

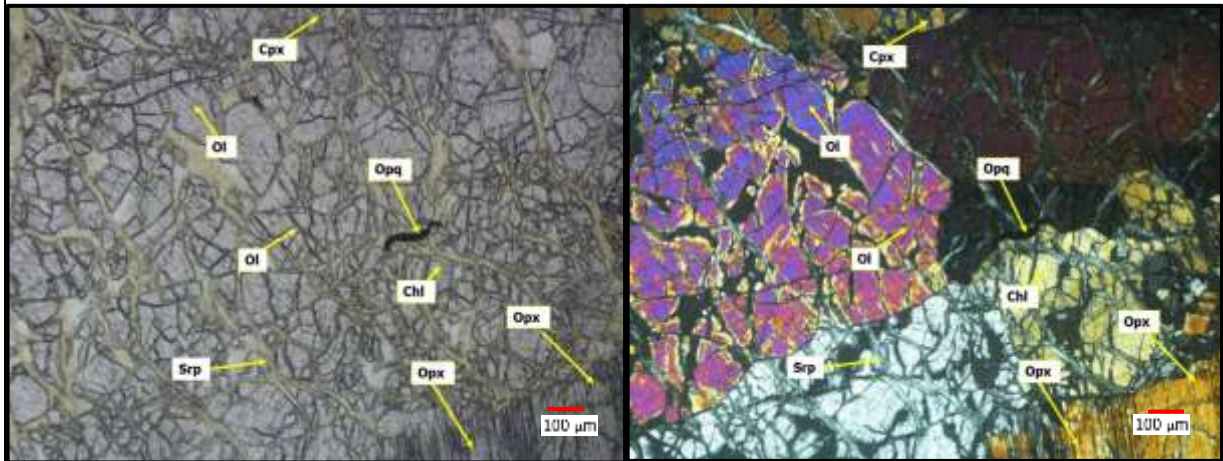
Deskripsi Mineral

Komposisi Mineral	Jumlah (%)	Keterangan Optik Mineral
Serpentin (Srp)	55	Warna absorpsi tidak berwarna, sedangkan warna interferensi berwarna abu-abu kehitaman, mineral ini memiliki relief rendah, berbentuk subhedral – anhedral, pleokroisme monokroik, dan ukuran mineral 0,1 mm – 0,15 mm.
Ortopiroksin (Opx)	25	Warna absorpsi transparan dan abu-abu sedangkan warna interferensi abu-abu, memiliki relief tinggi, belahan satu arah, pecahan tidak rata, jenis gelap paralel, dan ukuran mineral 0,25 mm – 0,3 mm.
Klorit (Chl)	12	Warna absorpsi tidak berwarna sedangkan warna interferensi berwarna orange dengan relief lemah, berbentuk anhedral, pleokroisme monokroik, dan ukuran mineral 0,1 mm.
Klinopiroksin (Cpx)	5	Warna absorpsi tidak berwarna sedangkan warna interferensi berwarna hijau kecoklatan, memiliki relief sedang – tinggi, berbentuk subhedral – anhedral, pleokroisme monokroik, dan ukuran mineral 0,05 – 0,2 mm.
Mineral Opak (Opq)	3	Warna absorpsi hitam dan warna interferensi hitam, relief sedang, intensitas sedang, bentuk anhedral, ukuran 0,02 mm – 0,15 mm.

Nama Batuan : -

No. Sayatan : ST-BR02-B Nama Batuan : Peridotit
 Lokasi : PT Putra Mekongga Sejahtera

Foto



II - Nikol

X - Nikol

Tipe Batuan : Batuan Beku

Tipe Struktur : Masif

Klasifikasi : Streckeisen, 1976

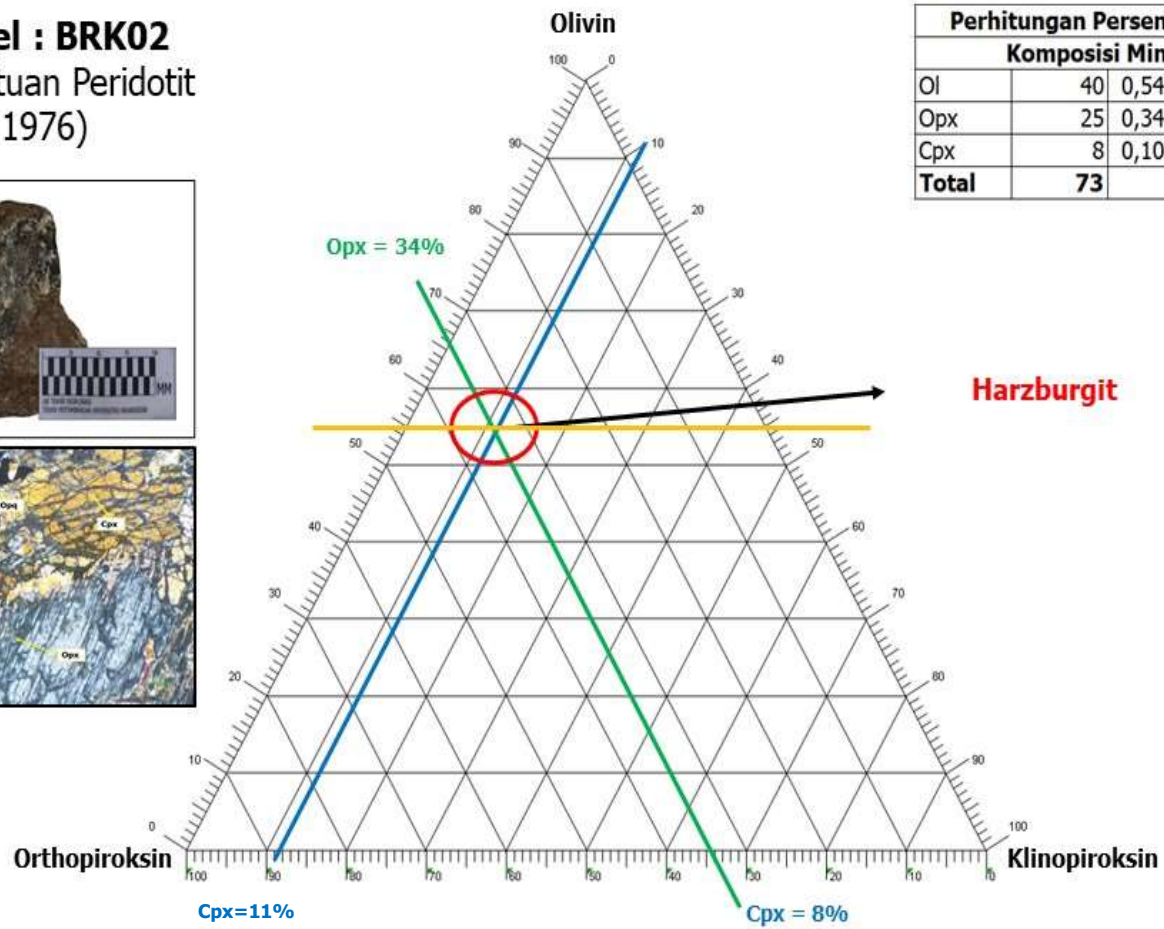
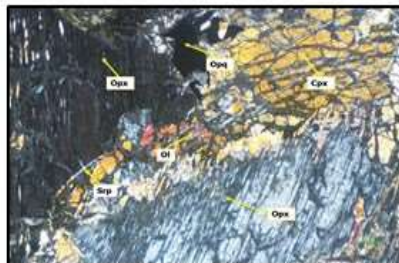
Mikroskopis : Warna absorpsi transparan (*colourless*) pada nikol sejajar dan warna interferensi berwarna abu-abu kecoklatan pada nikol silang, memiliki tekstur granularitas faneritik, kristalinitas holokristalin, bentuk subhedral – anhedral, dan relasi equigranular. Komposisi mineral terdiri dari serpentin, klorit, olivin, ortopiroksin dan mineral opak.

Deskripsi Mineral

Komposisi Mineral	Jumlah (%)	Keterangan Optik Mineral
Olivin (Ol)	40%	Warna absorpsi tidak berwarna sedangkan warna interferensi berwarna abu-abu kehitaman, mineral ini memiliki relief rendah, berbentuk subhedral – anhedral, pleokroisme monokroik, dan ukuran mineral 0,1 mm – 0,15 mm.
Ortopiroksin (Opx)	25%	Warna absorpsi transparan dan abu-abu sedangkan warna interferensi abu-abu, memiliki relief tinggi, belahan satu arah, pecahan tidak rata, jenis gelapan paralel, dan ukuran mineral 0,05 mm – 0,1 mm.
Klinopiroksin (Cpx)	8%	Warna absorpsi transparan dan abu-abu sedangkan warna interferensi hijau, memiliki relief tinggi, belahan satu arah, pecahan tidak rata, jenis gelapan paralel, dan ukuran mineral 0,05 mm – 0,1 mm.
Klorit (Chi)	12%	Warna absorpsi tidak berwarna sedangkan warna interferensi berwarna orange dengan relief lemah, berbentuk anhedral, pleokroisme monokroik, dan ukuran mineral 0,1 mm.
Serpentin (Srp)	13%	Warna absorpsi hitam dan warna interferensi hitam, relief sedang, intensitas sedang, bentuk anhedral, ukuran 0,02 mm – 0,1 mm.

Mineral Opaq (Opq)	2%	Warna absorpsi tidak berwarna sedangkan warna interferensi berwarna hijau kecoklatan, memiliki relief sedang – tinggi, berbentuk subhedral – anhedral, pleokroisme monokroik, dan ukuran mineral 0,05 – 0,2 mm.
Nama Batuan : <i>Harzburgit terserpentinisasi (Streckeisen, 1974)</i>		

Kode Sampel : BRK02
 Klasifikasi Batuan Peridotit
 (Streckeisen, 1976)



Perhitungan Persentase (%)			
Komposisi Mineral			
Ol	40	0,54795	55%
Opx	25	0,34247	34%
Cpx	8	0,10959	11%
Total	73		100%

LAMPIRAN C

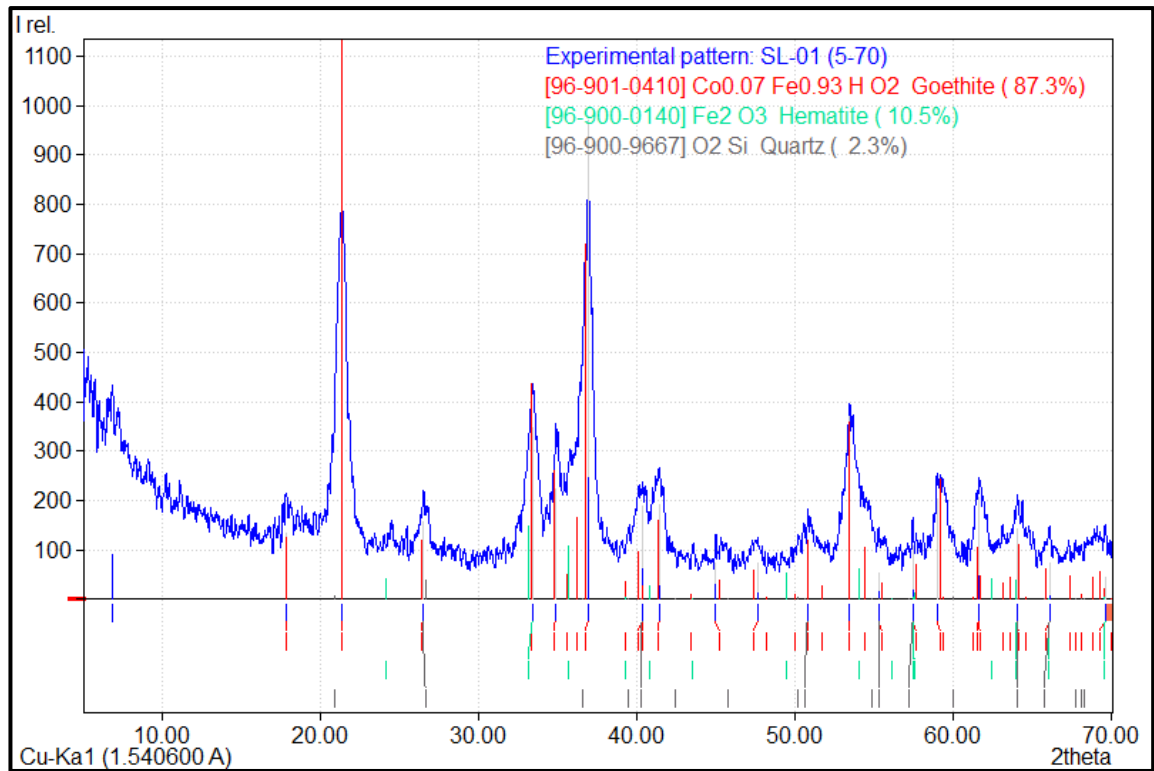
HASIL ANALISIS *X-RAY DIFFRACTION* (XRD)

Sampel ST-SL01

Matched Phases

<i>Index</i>	<i>Amount (%)</i>	<i>Name</i>	<i>Formula Sum</i>
A	87.3	Goethite	Co _{0.07} Fe _{0.93} H O ₂
B	10.5	Hematite	Fe ₂ O ₃
C	2.3	Quartz	O ₂ Si
	10.2	Unidentified peak area	

Diffraction Pattern Graphics



Peak List

<i>No.</i>	<i>2theta [°]</i>	<i>d [Å]</i>	<i>I/I0</i>	<i>FWHM</i>	<i>Matched</i>
1	6.84	12.9126	91.53	1.2160	
2	17.80	4.9790	134.13	0.7200	A
3	21.30	4.1681	1000.00	0.7916	A
4	26.50	3.3608	156.10	0.6984	A,C
5	33.40	2.6806	347.36	0.8000	A,B
6	34.86	2.5716	224.65	1.5798	A

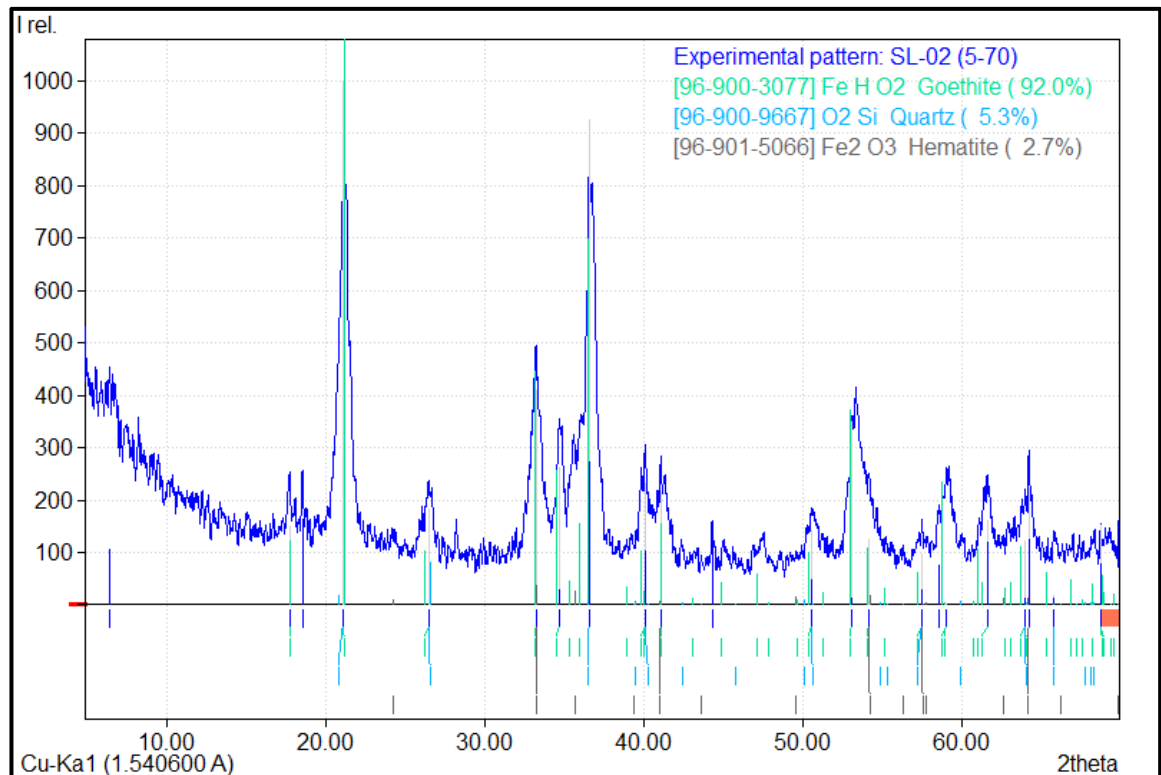
7	36.90	2.4340	971.36	0.9541	A
8	40.34	2.2340	189.68	1.2484	A,C
9	41.38	2.1802	190.52	0.8000	A
10	44.96	2.0146	72.98	0.1600	A
11	47.62	1.9081	74.63	0.9263	A
12	50.80	1.7958	120.38	0.8078	A,C
13	53.42	1.7138	371.52	1.5559	A
14	55.24	1.6615	52.84	1.0400	A,C
15	57.42	1.6035	106.86	0.1467	A,B,C
16	58.96	1.5653	202.87	1.3592	A
17	61.62	1.5039	204.83	0.9602	A
18	64.02	1.4532	143.43	1.2020	A,B,C
19	66.04	1.4136	72.87	0.5422	A,B,C
20	69.56	1.3504	44.03	0.0756	A,B

Sampel ST-SL02

Matched Phases

<i>Index</i>	<i>Amount (%)</i>	<i>Name</i>	<i>Formula Sum</i>
A	92.0	Goethite	Fe H O2
B	5.3	Quartz	O2 Si
C	2.7	Hematite	Fe2 O3
	14.1	Unidentified peak area	

Diffraction Pattern Graphics



Peak List

<i>No.</i>	<i>2theta [°]</i>	<i>d [Å]</i>	<i>I/I0</i>	<i>FWHM</i>	<i>Matched</i>
1	6.44	13.7137	105.82	1.2291	
2	17.74	4.9957	149.32	0.4800	A
3	18.54	4.7819	163.64	0.2046	
4	21.12	4.2032	1000.00	0.7480	A,B
5	26.46	3.3658	183.67	0.8059	A,B
6	33.20	2.6963	410.16	0.6800	A,C

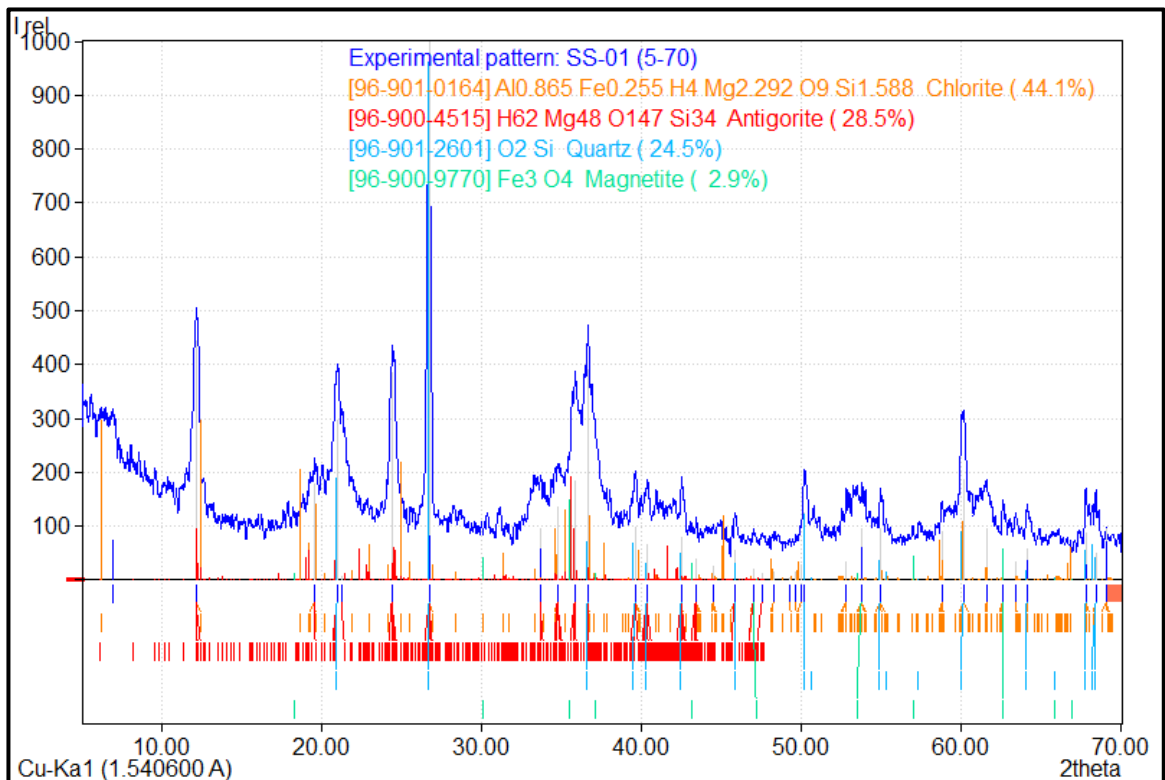
7	34.64	2.5874	262.29	0.3600	A
8	36.58	2.4545	925.94	1.0394	A,B
9	40.08	2.2479	231.16	0.4400	A,B
10	41.06	2.1965	216.61	1.3530	A,C
11	44.28	2.0439	110.16	0.3012	
12	50.56	1.8038	140.90	1.2400	A,B
13	53.08	1.7240	349.61	1.4124	A
14	54.12	1.6933	125.79	0.8863	A,C
15	57.44	1.6030	96.47	1.2800	A,B,C
16	58.52	1.5760	74.89	0.1513	
17	59.00	1.5643	1.22	0.4538	A
18	61.56	1.5052	161.50	0.6000	A
19	63.94	1.4548	123.27	0.6400	A,B
20	64.18	1.4500	223.23	0.4800	C
21	65.78	1.4185	16.58	0.0800	B
22	68.70	1.3652	152.39	1.5600	A

Sampel ST-SS01

Matched Phases

<i>Index</i>	<i>Amount (%)</i>	<i>Name</i>	<i>Formula sum</i>
A	44.1	<i>Chlorite</i>	Al _{0.865} Fe _{0.255} H ₄ Mg _{2.292} O ₉ Si _{1.588}
B	28.5	<i>Antigorite</i>	H ₆₂ Mg ₄₈ O ₁₄₇ Si ₃₄
C	24.5	<i>Quartz</i>	O ₂ Si
D	2.9	<i>Magnetite</i>	Fe ₃ O ₄
	7.3	<i>Unidentified</i>	<i>peak area</i>

Diffraction Pattern Graphics



Peak List

<i>No.</i>	<i>2theta [°]</i>	<i>d [Å]</i>	<i>I/I0</i>	<i>FWHM</i>	<i>Matched</i>
1	6.94	12.7268	73.81	0.6737	
2	12.18	7.2608	443.66	0.4489	A,B
3	19.58	4.5302	179.11	0.6400	A,B
4	21.02	4.2230	296.78	1.0418	A,B,C
5	21.26	4.1758	7.81	0.6400	B

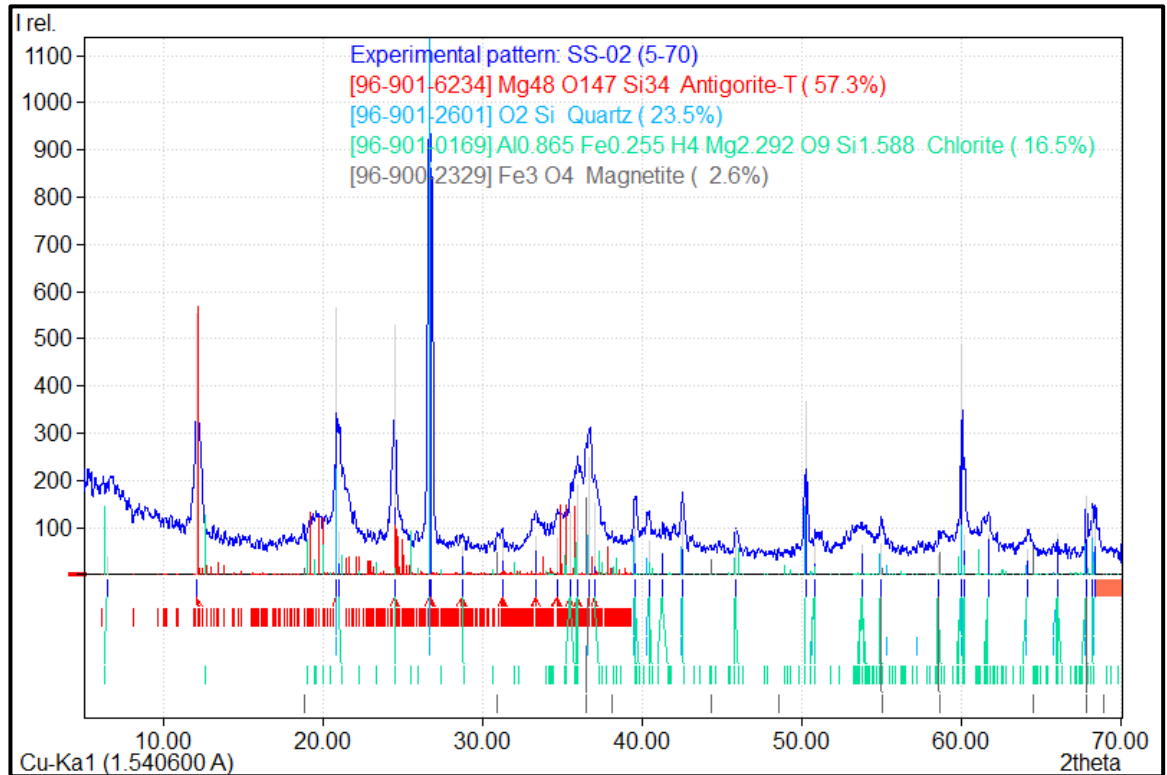
6	24.42	3.6422	383.71	0.4909	B
7	26.72	3.3336	1000.00	0.2594	A,B,C
8	33.68	2.6590	96.00	0.7844	A,B
9	34.76	2.5788	134.74	1.0400	A,B
10	35.82	2.5049	184.93	1.3600	B
11	36.66	2.4494	390.06	0.9600	A,B,C
12	39.62	2.2729	97.24	1.3600	A,B,C
13	40.34	2.2340	65.56	0.2197	A,B,C
14	42.50	2.1253	79.60	1.3600	A,B,C
15	43.42	2.0824	39.30	0.1600	A,B
16	44.48	2.0352	26.25	0.1600	A
17	45.84	1.9779	55.13	0.1879	A,B,C
18	46.98	1.9326	20.11	0.1647	A,B,D
19	47.50	1.9126	12.12	0.3689	B
20	48.30	1.8828	14.54	0.5575	A
21	49.22	1.8497	4.81	0.0400	A
22	49.62	1.8358	15.82	0.0585	A
23	49.94	1.8247	27.29	0.0800	A
24	50.18	1.8166	125.65	0.4794	C
25	52.76	1.7337	33.82	0.4617	A
26	53.76	1.7037	95.45	1.9525	A,D
27	54.94	1.6699	94.79	0.2000	A,C
28	58.76	1.5701	89.02	0.6000	A
29	60.10	1.5383	186.36	1.3144	A,C
30	61.54	1.5057	94.29	0.9046	A
31	62.60	1.4827	46.07	0.6000	A,D
32	63.38	1.4663	32.62	1.6953	A
33	64.08	1.4520	57.33	0.2701	A,C
34	67.76	1.3818	86.02	0.2802	A,C
35	68.38	1.3708	50.28	0.1200	A,C
36	69.04	1.3593	93.88	0.0400	A

Sampel ST-SS02

Matched Phases

<i>Index</i>	<i>Amount (%)</i>	<i>Name</i>	<i>Formula sum</i>
A	57.3	<i>Antigorite</i>	H62 Mg48 O147 Si34
B	23.5	<i>Quartz</i>	O2 Si
C	16.5	<i>Chlorite</i>	Al0.865 Fe0.255 H4 Mg2.292 O9 Si1.588
D	2.6	<i>Magnetite</i>	Fe3 O4
	10.2	<i>Unidentified peak area</i>	

Diffraction Pattern Graphics



Peak List

<i>No.</i>	<i>2theta [°]</i>	<i>d [Å]</i>	<i>I/I0</i>	<i>FWHM</i>	<i>Matched</i>
1	6.48	13.6292	37.48	0.2000	C
2	12.12	7.2966	552.21	0.4516	A
3	20.86	4.2550	566.58	0.5200	A,B
4	21.02	4.2230	89.47	0.5200	C

5	24.50	3.6304	529.13	0.4214	A,C
6	26.64	3.3435	1000.00	0.6048	A,B
7	26.78	3.3263	872.84	0.2400	A
8	28.72	3.1059	60.64	0.4919	A,C
9	31.24	2.8608	75.37	0.6909	A
10	33.34	2.6853	79.31	0.6400	A
11	34.66	2.5860	77.92	0.4400	A
12	35.52	2.5253	131.24	0.4800	A,C
13	35.96	2.4954	189.09	1.0800	A,C
14	36.70	2.4468	247.78	0.9200	A,B,D
15	37.02	2.4264	150.03	0.6800	A,C
16	39.58	2.2751	103.32	0.2800	B,C
17	40.44	2.2287	71.93	0.2000	B,C
18	41.28	2.1853	47.96	0.1600	C
19	42.50	2.1253	111.70	0.2000	B,C
20	45.84	1.9779	95.82	0.2749	B,C
21	50.22	1.8152	367.36	0.2959	B,C
22	50.82	1.7952	65.91	0.6986	B,C
23	53.74	1.7043	61.51	1.2000	C
24	54.96	1.6693	66.42	0.3600	B,C,D
25	58.56	1.5750	39.78	0.1200	C,D
26	60.00	1.5406	489.72	0.4471	B,C
27	60.16	1.5369	83.54	0.2393	C
28	61.68	1.5026	82.34	0.3200	C
29	64.14	1.4508	53.15	0.5600	B,C
30	66.02	1.4140	87.49	0.3200	B,C
31	67.80	1.3811	166.57	0.3200	B,C,D
32	68.18	1.3743	138.33	0.4034	B,C
33	68.38	1.3708	107.72	0.1455	B

LAMPIRAN D
PERHITUNGAN KOEFISIEN KORELASI

Perhitungan koefisien korelasi Pearson dilakukan dengan menggunakan rumus sebagai berikut:

$$r_{xy} = \frac{n \sum XY - \sum X \sum Y}{\sqrt{n \sum X^2 - (\sum X)^2} \sqrt{n \sum Y^2 - (\sum Y)^2}}$$

Keterangan:

r_{xy} = Koefisien korelasi Pearson r

n = Banyak pasangan nilai x dan y

$\sum XY$ = Jumlah dari hasil kali nilai x dan y

$\sum X$ = Jumlah nilai x

$\sum Y$ = Jumlah nilai y

$\sum X^2$ = Jumlah dari kuadrat nilai x

$\sum Y^2$ = Jumlah dari kuadrat nilai y

Berikut ini merupakan contoh perhitungan koefisien korelasi Pearson, misalnya saja untuk unsur Ni dan Fe pada zona limonit:

$$r_{xy} = \frac{n \sum XY - \sum X \sum Y}{\sqrt{n \sum X^2 - (\sum X)^2} \sqrt{n \sum Y^2 - (\sum Y)^2}}$$

$$r_{xy} = \frac{(74)(1824,3) - (62,507)(2076,52)}{\sqrt{(74)(56,643) - (62,507)^2} \sqrt{(74)(66725,49) - (2076,52)^2}}$$

$$r_{xy} = \frac{134995 - 129798}{\sqrt{4191,577 - 3907,165} \sqrt{4937686,683 - 4311974,716}}$$

$$r_{xy} = \frac{5196,4}{\sqrt{284,413} \sqrt{625711,96}}$$

$$r_{xy} = \frac{5196,4}{(16,864)(791,019)}$$

$$r_{xy} = \frac{5196,4}{13340,19}$$

$$r_{xy} = 0,390$$

LAMPIRAN E
***DATABASE* TITIK BOR**

DATA COLLAR
HASIL PENGEBORAN

<i>Hole_Id</i>	X	y	z	Kedalaman (m)
IDH 1	348073,593	9533500,236	184,424	16,3
IDH 2	348160,498	9533499,226	196,358	10
IDH 3	348066,091	9533345,966	165,788	16
IDH 4	348167,969	9533346,742	168,541	11,1
IDH 5	348266,407	9533340,654	179,071	11,5
IDH 6	348367,332	9533338,381	195,293	11
IDH 7	348265,298	9533244,541	173,203	9
IDH 8	348269,490	9533171,011	169,043	7
IDH 9	348380,694	9533172,699	182,159	10
IDH 10	348474,379	9533171,586	200,985	7
IDH 11	348370,444	9533094,510	171,592	7
IDH 12	348373,793	9533018,951	163,853	9
IDH 13	348482,966	9533018,930	169,435	7
IDH 14	347564,367	9532442,893	152,214	11
IDH 15	347610,666	9532411,334	153,852	15,05
IDH 16	347574,038	9532365,923	176,281	25,6
IDH 17	347612,484	9532336,976	176,431	17
IDH 18	347615,394	9532249,277	185,771	11
IDH 19	347570,803	9532213,522	173,120	13,1
IDH 20	347626,827	9532154,866	172,465	10,1
IDH 21	347416,951	9531590,910	179,443	26,52
IDH 22	347723,438	9531593,180	169,698	10
IDH 23	347435,559	9531503,228	180,345	15,04

CONTOH DATA GEOLOGI

HASIL PENGEBORAN

<i>Hole_ID</i>	<i>Sam_ID</i>	<i>From (m)</i>	<i>To (m)</i>	<i>Interval (m)</i>	<i>Lith</i>	<i>Flag</i>
IDH 01	1	0	1	1	LIM	OB
IDH 01	2	1	2	1	LIM	OB
IDH 01	3	2	2,9	0,9	SAP	ORE
IDH 01	4	2,9	3,4	0,5	SAP	ORE
IDH 01	5	3,4	4	0,6	SAP	ORE
IDH 01	6	4	5	1	SAP	ORE
IDH 01	7	5	6	1	SAP	ORE
IDH 01	8	6	7	1	SAP	ORE
IDH 01	9	7	8	1	SAP	ORE
IDH 01	10	8	9	1	SAP	OB
IDH 01	11	9	10	1	SAP	OB
IDH 01	12	10	10,22	0,22	SAP	OB
IDH 01	13	10,22	10,62	0,4	SAP	OB
IDH 01	14	10,62	11	0,38	SAP	OB
IDH 01	15	11	12	1	SAP	ORE
IDH 01	16	12	12,7	0,7	SAP	ORE
IDH 01	17	12,7	13	0,3	BRK	BZ
IDH 01	18	13	14	1	BRK	BZ
IDH 01	19	14	15	1	BRK	BZ
IDH 01	20	15	16	1	BRK	BZ
IDH 01	21	16	16,3	0,3	BRK	BZ
IDH 02	1	0	1	1	LIM	OB
IDH 02	2	1	2	1	LIM	OB

CONTOH DATA ASSAY

HASIL PENGEBORAN

<i>Hole_ID</i>	<i>Sam_ID</i>	<i>From (m)</i>	<i>To (m)</i>	<i>Interval (m)</i>	<i>Lith</i>	<i>Flag</i>	<i>Ni (%)</i>	<i>Co (%)</i>	<i>Fe (%)</i>	<i>MgO (%)</i>	<i>SiO₂ (%)</i>	<i>CaO (%)</i>	<i>Inc</i>
IDH 01	1	0	1	1	LIM	OB	1,09	0,07	24,47	14,54	34,14	0,69	1
IDH 01	2	1	2	1	LIM	OB	1,30	0,06	24,65	14,67	35,37	0,84	1
IDH 01	3	2	2,9	0,9	SAP	ORE	2,44	0,03	12,41	16,38	47,09	0,67	1
IDH 01	4	2,9	3,4	0,5	SAP	ORE	2,50	0,01	6,84	18,52	41,22	0,55	1
IDH 01	5	3,4	4	0,6	SAP	ORE	2,54	0,03	15,26	16,03	42,38	0,90	1
IDH 01	6	4	5	1	SAP	ORE	2,44	0,03	15,03	15,79	43,26	0,66	1
IDH 01	7	5	6	1	SAP	ORE	2,41	0,03	13,62	16,37	46,36	0,63	1
IDH 01	8	6	7	1	SAP	ORE	1,98	0,03	11,71	17,01	48,21	0,89	1
IDH 01	9	7	8	1	SAP	ORE	1,98	0,02	8,55	18,22	49,69	0,98	1
IDH 01	10	8	9	1	SAP	OB	1,36	0,02	7,80	17,51	42,46	0,94	1
IDH 01	11	9	10	1	SAP	OB	1,21	0,02	7,17	18,05	41,35	0,89	1
IDH 01	12	10	10,22	0,22	SAP	OB	1,14	0,01	6,81	17,65	39,37	0,71	1
IDH 01	13	10,22	10,62	0,4	SAP	OB	1,15	0,02	7,20	18,46	45,99	0,91	1
IDH 01	14	10,62	11	0,38	SAP	OB	1,24	0,02	7,09	17,75	41,91	0,92	1
IDH 01	15	11	12	1	SAP	ORE	1,64	0,01	6,14	18,14	45,91	0,84	1
IDH 01	16	12	12,7	0,7	SAP	ORE	1,45	0,01	6,34	17,97	37,99	0,96	1
IDH 01	17	12,7	13	0,3	BRK	BZ	0,48	0,01	5,92	18,68	34,05	1,27	1
IDH 01	18	13	14	1	BRK	BZ	0,50	0,01	5,87	18,51	35,36	1,02	1
IDH 01	19	14	15	1	BRK	BZ	0,27	0,01	5,51	18,43	35,63	1,48	1
IDH 01	20	15	16	1	BRK	BZ	0,28	0,01	5,99	19,96	40,95	1,43	1
IDH 01	21	16	16,3	0,3	BRK	BZ	0,31	0,01	6,35	18,67	43,24	0,94	1

LAMPIRAN F
COMPOSITE TITIK BOR

DATA COMPOSITE**HASIL PENGEBORAN****Composite Zona Limonit**

HOLE_ID	X	Y	Z	EOH (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
BHE 1	348083,610	9533443,730	176,540	11,43	0,860	33,043	0,073	14,197	19,063	0,443	1,343
BHE 2	348220,088	9533442,211	183,010	10,8	0,965	42,530	0,095	14,182	8,492	0,442	0,599
BHE 3	347973,829	9533246,093	156,131	15,65	0,918	45,515	0,095	14,105	6,735	0,440	0,477
BHE 4	348174,694	9533241,610	165,813	23,2	0,940	45,450	0,095	14,155	5,535	0,475	0,391
BHE 5	348373,130	9533244,694	195,354	25,12	1,459	25,719	0,058	15,412	34,664	0,711	2,249
BHE 6	347975,479	9533105,283	144,054	9,17	0,740	31,420	0,080	15,160	22,660	1,300	1,495
BHE 7	348120,781	9533096,480	150,984	11,37	0,855	29,468	0,070	15,298	24,988	0,555	1,633
BHE 8	348277,941	9533095,383	163,492	17,14	0,800	11,220	0,025	17,780	33,910	0,790	1,907
BHE 9	348470,000	9533093,000	184,000	13,71	1,135	41,850	0,085	14,455	11,280	0,460	0,780
BHE 10	347941,415	9532824,588	177,881	10,20	0,750	10,180	0,030	17,230	43,100	1,960	2,501
BHE 11	348068,237	9532846,062	164,390	15,00	0,665	42,840	0,100	14,615	8,915	0,500	0,610
BHE 12	348209,634	9532833,570	155,173	19,50	0,760	33,673	0,080	15,117	21,617	2,293	1,430
BHE 13	348401,734	9532833,716	168,518	7,00	0,875	23,255	0,060	15,585	28,125	0,715	1,805
BHE 14	347951,391	9532695,970	211,939	10,17	0,600	10,940	0,040	17,420	41,200	1,460	2,365
BHE 15	348099,000	9532688,000	177,000	13	1,275	24,700	0,065	15,690	28,440	1,100	1,813
BHE 16	348277,159	9532632,709	171,747	10,32	0,815	22,125	0,050	15,800	29,480	0,745	1,866
BHE 17	348485,606	9532656,540	193,258	5,00	0,805	24,500	0,065	15,315	26,820	0,620	1,751
BHE 18	347608,356	9532480,381	138,959	30,00	0,968	23,033	0,058	16,225	27,013	1,155	1,665
BHE 19	347767,010	9532478,301	143,783	16,21	0,805	23,440	0,060	15,210	26,400	1,240	1,736
BHE 20	347910,594	9532479,743	183,263	11,46	0,430	10,400	0,040	16,100	42,020	2,270	2,610

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO ₂ (%)	CaO (%)	S/M
BHE 21	347585,268	9532293,961	187,869	19,80	0,948	33,463	0,105	14,673	13,270	0,510	0,904
BHE 22	347809,432	9532287,244	178,992	20,62	0,350	10,470	0,040	19,420	59,700	4,340	3,074
BHE 23	347570,756	9532137,071	177,735	19,9	0,925	14,340	0,045	17,085	37,910	3,010	2,219
BHE 24	347643,237	9532201,128	183,420	19,70	1,170	14,930	0,050	16,750	39,275	3,235	2,345
BHE 25	347612,077	9531886,755	171,089	20,55	0,560	21,540	0,080	17,005	47,440	3,425	2,790
BHE 27	347810,763	9531781,025	197,022	20,25	0,490	14,440	0,060	17,000	48,940	5,500	2,879
BHE 28	347363,350	9531615,512	172,627	23,10	0,880	37,088	0,290	13,984	12,802	0,458	0,916
BHE 29	347509,770	9531588,732	187,703	16,15	0,600	28,717	0,100	14,175	27,628	0,569	1,949
BHE 30	347622,000	9531596,000	174,000	21,40	0,787	22,615	0,065	15,555	35,157	1,547	2,260
BHE 31	347835,160	9531639,880	182,989	9,68	0,777	31,540	0,073	15,490	23,790	1,257	1,536
BHE 32	347306,012	9531427,071	127,077	19,05	0,677	28,900	0,070	14,085	28,263	0,498	2,007
BHE 33	347460,190	9531435,400	173,186	19,30	0,708	37,490	0,145	14,158	14,630	0,522	1,033
BHE 34	347655,579	9531421,057	160,404	16,61	0,867	28,900	0,063	14,957	27,084	0,569	1,811
BHE 35	347780,406	9531407,072	160,089	17,81	0,833	24,234	0,059	15,821	31,898	1,101	2,016
BHE 36	347867,075	9531340,095	163,000	12,78	0,653	15,083	0,053	16,840	42,890	4,290	2,547
BHE 37	347321,000	9531237,000	130,000	16,95	0,620	32,076	0,076	14,151	21,086	0,613	1,490
BHE 38	347477,170	9531267,600	170,985	24,05	0,753	42,748	0,113	14,248	12,283	0,673	0,862
BHE 39	347712,092	9531254,160	156,094	11,06	0,520	23,745	0,065	15,160	35,330	2,140	2,330
BHE 40	347873,014	9531246,480	153,095	10,20	0,637	33,930	0,080	14,683	26,890	0,610	1,831
BHE 41	347594,398	9531752,590	156,483	19,70	0,740	23,365	0,050	16,510	35,250	1,195	2,135
IDH 1	348073,593	9533500,236	184,424	16,3	1,195	24,560	0,065	14,605	34,755	0,765	2,380
IDH 2	348160,498	9533499,226	196,358	10	0,985	13,550	0,040	16,250	43,405	2,915	2,671
IDH 3	348066,091	9533345,966	165,788	16	0,919	35,516	0,197	19,001	11,337	0,444	0,597
IDH 4	348167,969	9533346,742	168,541	11,1	0,915	37,915	0,080	14,295	13,605	0,675	0,952
IDH 5	348266,407	9533340,654	179,071	11,5	1,129	52,169	0,126	14,153	1,656	0,430	0,117
IDH 6	348367,332	9533338,381	195,293	11	0,922	20,200	0,050	16,238	31,128	1,232	1,917
IDH 7	348265,298	9533244,541	173,203	9	1,077	47,227	0,103	13,917	2,913	0,423	0,209

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					<i>Ni</i> (%)	<i>Fe</i> (%)	<i>Co</i> (%)	<i>MgO</i> (%)	<i>SiO₂</i> (%)	<i>CaO</i> (%)	<i>S/M</i>
IDH 8	348269,490	9533171,011	169,043	7	1,017	43,220	0,097	14,050	5,477	0,517	0,390
IDH 9	348380,694	9533172,699	182,159	10	0,915	17,170	0,045	15,850	35,610	0,980	2,247
IDH 10	348474,379	9533171,586	200,985	7	0,660	17,395	0,045	17,050	38,415	0,970	2,253
IDH 11	348370,444	9533094,510	171,592	7	1,193	30,025	0,068	15,790	18,168	0,653	1,151
IDH 12	348373,793	9533018,951	163,853	9	1,040	20,755	0,045	16,930	28,125	0,750	1,661
IDH 13	348482,966	9533018,930	169,435	7	1,060	25,647	0,073	16,053	26,047	0,533	1,623
IDH 15	347610,666	9532411,334	153,852	15,05	1,196	30,134	0,076	15,618	20,584	1,720	1,318
IDH 16	347574,038	9532365,923	176,281	25,6	1,218	39,245	0,157	14,255	5,128	0,515	0,360
IDH 17	347612,484	9532336,976	176,431	17	1,064	29,576	0,088	15,022	19,902	1,170	1,325
IDH 18	347615,394	9532249,277	185,771	11	0,885	22,035	0,075	15,310	26,965	1,265	1,761
IDH 19	347570,803	9532213,522	173,120	13,1	1,023	27,077	0,070	15,497	24,933	1,510	1,609
IDH 20	347626,827	9532154,866	172,465	10,1	0,910	16,065	0,040	15,135	27,855	0,875	1,840
IDH 21	347416,951	9531590,910	179,443	26,52	0,619	26,527	0,071	14,139	19,324	0,444	1,367
IDH 22	347723,438	9531593,180	169,698	10	0,575	20,805	0,045	14,760	28,740	0,730	1,947
IDH 23	347435,559	9531503,228	180,345	15,04	0,971	37,790	0,088	14,194	12,637	0,445	0,890
IDH 24	347519,469	9531512,130	191,668	15,97	0,845	33,323	0,073	14,583	16,241	0,478	1,114
IDH 25	347612,430	9531507,335	170,066	16,33	0,657	18,439	0,051	16,425	33,940	3,164	2,000
IDH 26	347726,738	9531507,913	169,633	17,6	0,682	24,777	0,059	15,200	30,949	1,542	2,000
IDH 27	347799,363	9531515,632	176,007	11,95	0,387	8,004	0,026	15,446	38,997	3,676	2,525
IDH 28	347552,623	9531428,639	163,091	12,94	0,808	46,773	0,113	14,167	3,733	0,410	0,264
IDH 29	347722,187	9531432,513	165,328	16,03	0,761	35,118	0,075	14,479	16,520	0,485	1,141
IDH 30	347476,822	9531348,342	159,521	7,76	0,970	45,685	0,110	14,500	11,710	0,450	0,808
IDH 31	347558,148	9531342,631	163,003	7,59	1,256	36,920	0,086	14,928	14,468	0,646	0,969
IDH 32	347664,306	9531343,017	161,650	8,42	0,758	40,760	0,090	14,408	13,185	0,570	0,915
IDH 33	347758,595	9531340,533	161,255	7,57	0,714	32,578	0,066	14,564	17,550	0,496	1,205
IDH 34	347427,072	9531246,961	161,487	6,53	1,005	33,350	0,085	15,023	20,480	0,650	1,363
IDH 35	347549,681	9531254,461	173,279	29,44	0,264	11,288	0,027	14,188	61,449	0,445	4,331

Composite Zona Saprolit

HOLE_ID	X	Y	Z	EOH (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
BHE 1	348083,610	9533443,730	176,540	11,43	1,233	9,612	0,022	17,607	45,067	1,033	2,560
BHE 2	348220,088	9533442,211	183,010	10,8	1,500	14,190	0,030	17,250	38,360	0,770	2,224
BHE 3	347973,829	9533246,093	156,131	15,65	0,547	10,819	0,032	16,644	47,347	0,754	2,845
BHE 4	348174,694	9533241,610	165,813	23,2	0,633	11,121	0,024	18,134	37,530	0,720	2,070
BHE 5	348373,130	9533244,694	195,354	25,12	1,160	10,008	0,024	18,420	45,432	0,672	2,466
BHE 6	347975,479	9533105,283	144,054	9,17	0,867	11,934	0,031	17,086	39,964	1,320	2,339
BHE 7	348120,781	9533096,480	150,984	11,37	0,516	6,942	0,016	18,596	40,116	0,620	2,157
BHE 9	348470,000	9533093,000	184,000	13,71	1,680	19,790	0,050	15,510	40,380	0,835	2,603
BHE 10	347941,415	9532824,588	177,881	10,20	0,467	8,427	0,017	17,083	40,380	0,710	2,364
BHE 11	348068,237	9532846,062	164,390	15,00	0,990	16,540	0,045	16,270	32,195	1,355	1,979
BHE 12	348209,634	9532833,570	155,173	19,50	0,581	8,496	0,021	17,190	48,197	1,054	2,804
BHE 13	348401,734	9532833,716	168,518	7,00	0,950	10,460	0,025	17,330	45,995	0,690	2,654
BHE 14	347951,391	9532695,970	211,939	10,17	0,400	9,560	0,020	16,490	47,480	1,130	2,879
BHE 15	348099,000	9532688,000	177,000	13	0,957	8,807	0,021	17,640	45,406	0,751	2,574
BHE 16	348277,159	9532632,709	171,747	10,32	0,405	7,323	0,018	17,815	37,963	0,770	2,131
BHE 17	348485,606	9532656,540	193,258	5,00	0,825	10,460	0,025	18,040	41,080	0,675	2,277
BHE 18	347608,356	9532480,381	138,959	30,00	0,832	10,168	0,025	18,283	40,069	1,881	2,192
BHE 19	347767,010	9532478,301	143,783	16,21	0,512	8,202	0,029	17,417	41,469	2,206	2,381
BHE 20	347910,594	9532479,743	183,263	11,46	0,317	6,332	0,017	17,688	42,072	1,103	2,378
BHE 21	347585,268	9532293,961	187,869	19,80	1,015	16,027	0,050	17,633	36,698	4,033	2,081
BHE 22	347809,432	9532287,244	178,992	20,62	0,305	7,460	0,020	19,960	61,710	2,015	3,092
BHE 23	347570,756	9532137,071	177,735	19,9	1,139	8,510	0,021	19,579	51,443	1,987	2,627
BHE 24	347643,237	9532201,128	183,420	19,70	1,380	11,145	0,030	17,945	47,105	2,925	2,625
BHE 25	347612,077	9531886,755	171,089	20,55	0,675	12,625	0,040	19,435	58,925	3,060	3,032
BHE 26	347810,976	9531892,553	169,633	30,10	0,420	7,940	0,030	16,940	41,500	2,710	2,450

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
BHE 27	347810,763	9531781,025	197,022	20,25	0,387	9,787	0,030	18,223	58,607	5,043	3,216
BHE 28	347363,350	9531615,512	172,627	23,10	0,575	12,385	0,040	18,010	43,810	4,245	2,433
BHE 29	347509,770	9531588,732	187,703	16,15	1,223	17,553	0,040	18,187	42,367	1,297	2,330
BHE 30	347622,000	9531596,000	174,000	21,40	0,811	12,948	0,041	17,049	43,976	5,502	2,579
BHE 31	347835,160	9531639,880	182,989	9,68	0,470	6,920	0,015	18,695	40,310	1,685	2,156
BHE 32	347306,012	9531427,071	127,077	19,05	1,020	23,713	0,063	15,233	30,935	0,895	2,031
BHE 33	347460,190	9531435,400	173,186	19,30	0,893	14,578	0,038	16,820	47,600	1,087	2,830
BHE 34	347655,579	9531421,057	160,404	16,61	1,178	12,423	0,030	17,700	46,181	1,243	2,609
BHE 35	347780,406	9531407,072	160,089	17,81	1,157	11,757	0,030	17,700	43,503	1,883	2,458
BHE 36	347867,075	9531340,095	163,000	12,78	0,841	10,924	0,030	17,858	44,418	2,550	2,487
BHE 37	347321,000	9531237,000	130,000	16,95	0,978	13,650	0,030	17,540	42,605	0,860	2,429
BHE 38	347477,170	9531267,600	170,985	24,05	1,170	12,293	0,031	17,337	50,542	1,329	2,915
BHE 39	347712,092	9531254,160	156,094	11,06	0,600	9,802	0,032	17,902	43,580	5,140	2,434
BHE 40	347873,014	9531246,480	153,095	10,20	0,728	12,593	0,028	16,680	57,500	0,895	3,447
IDH 1	348073,593	9533500,236	184,424	16,3	1,820	9,426	0,021	17,418	43,799	0,818	2,515
IDH 2	348160,498	9533499,226	196,358	10	0,768	9,840	0,023	17,193	49,808	1,033	2,897
IDH 3	348066,091	9533345,966	165,788	16	1,249	14,101	0,032	16,910	37,578	1,093	2,200
IDH 4	348167,969	9533346,742	168,541	11,1	0,736	10,448	0,025	17,447	36,612	1,145	2,098
IDH 5	348266,407	9533340,654	179,071	11,5	1,263	13,610	0,035	16,975	34,825	1,045	2,052
IDH 6	348367,332	9533338,381	195,293	11	0,589	8,941	0,022	17,733	41,873	1,208	2,361
IDH 7	348265,298	9533244,541	173,203	9	1,015	17,688	0,043	16,245	24,110	0,940	1,484
IDH 9	348380,694	9533172,699	182,159	10	0,690	10,385	0,025	16,840	44,400	0,900	2,637
IDH 10	348474,379	9533171,586	200,985	7	0,400	7,865	0,015	18,170	40,385	0,495	2,200
IDH 12	348373,793	9533018,951	163,853	9	0,340	4,380	0,010	19,660	41,600	0,460	2,116
IDH 13	348482,966	9533018,930	169,435	7	0,510	7,420	0,020	18,630	39,355	0,455	2,112
IDH 5	348266,407	9533340,654	179,071	11,5	1,687	14,983	0,034	17,024	31,420	0,910	1,846
IDH 15	347610,666	9532411,334	153,852	15,05	1,514	15,409	0,038	17,376	36,553	1,776	2,104

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
IDH 16	347574,038	9532365,923	176,281	25,6	1,237	11,234	0,033	17,356	40,889	2,040	2,356
IDH 17	347612,484	9532336,976	176,431	17	1,185	9,472	0,026	17,228	40,185	3,189	2,333
IDH 18	347615,394	9532249,277	185,771	11	1,712	11,188	0,027	17,430	44,843	1,355	2,573
IDH 19	347570,803	9532213,522	173,120	13,1	1,424	21,066	0,052	16,254	34,501	1,304	2,123
IDH 20	347626,827	9532154,866	172,465	10,1	1,461	7,207	0,017	18,050	41,170	1,189	2,281
IDH 21	347416,951	9531590,910	179,443	26,52	1,261	13,203	0,029	17,502	37,554	0,719	2,146
IDH 22	347723,438	9531593,180	169,698	10	0,827	11,841	0,033	16,484	44,256	4,557	2,685
IDH 23	347435,559	9531503,228	180,345	15,04	1,883	15,600	0,033	16,987	34,623	0,487	2,038
IDH 24	347519,469	9531512,130	191,668	15,97	0,980	8,925	0,020	18,115	39,933	1,060	2,204
IDH 25	347612,430	9531507,335	170,066	16,33	0,755	12,395	0,040	17,705	43,715	4,410	2,469
IDH 26	347726,738	9531507,913	169,633	17,6	0,793	7,589	0,023	17,622	45,796	4,920	2,599
IDH 27	347799,363	9531515,632	176,007	11,95	0,477	8,757	0,030	18,250	51,663	6,227	2,831
IDH 28	347552,623	9531428,639	163,091	12,94	0,830	17,623	0,050	16,773	33,760	2,037	2,013
IDH 29	347722,187	9531432,513	165,328	16,03	1,714	12,178	0,026	17,226	41,176	0,782	2,390
IDH 30	347476,822	9531348,342	159,521	7,76	1,190	36,045	0,085	15,535	18,655	0,935	1,201
IDH 31	347558,148	9531342,631	163,003	7,59	1,410	12,670	0,030	17,290	35,270	0,790	2,040
IDH 32	347664,306	9531343,017	161,650	8,42	0,630	12,910	0,040	15,290	32,410	3,390	2,120
IDH 33	347758,595	9531340,533	161,255	7,57	0,840	14,510	0,040	16,730	44,190	1,620	2,641
IDH 35	347549,681	9531254,461	173,279	29,44	0,921	16,564	0,053	15,551	39,517	1,253	2,541

Composite Zona Bedrock

HOLE_ID	X	Y	Z	EOH (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
BHE 1	348083,610	9533443,730	176,540	11,43	0,790	6,977	0,020	18,907	32,233	0,960	1,705
BHE 2	348220,088	9533442,211	183,010	10,8	1,015	7,185	0,013	18,930	38,710	0,608	2,045
BHE 3	347973,829	9533246,093	156,131	15,65	0,450	6,750	0,020	19,240	43,220	1,170	2,246
BHE 4	348174,694	9533241,610	165,813	23,2	0,231	5,363	0,011	19,638	34,841	1,079	1,774
BHE 5	348373,130	9533244,694	195,354	25,12	0,393	9,870	0,020	18,383	37,136	0,876	2,020
BHE 6	347975,479	9533105,283	144,054	9,17	0,340	5,740	0,020	18,960	38,810	1,370	2,047
BHE 7	348120,781	9533096,480	150,984	11,37	0,290	5,200	0,020	19,000	35,040	0,910	1,844
BHE 8	348277,941	9533095,383	163,492	17,14	0,287	5,200	0,010	19,000	42,072	0,749	2,214
BHE 9	348470,000	9533093,000	184,000	13,71	0,370	6,004	0,011	18,873	37,060	1,024	1,964
BHE 10	347941,415	9532824,588	177,881	10,20	0,282	5,827	0,012	19,047	41,460	0,712	2,177
BHE 11	348068,237	9532846,062	164,390	15,00	0,365	5,487	0,014	18,717	34,016	0,709	1,817
BHE 12	348209,634	9532833,570	155,173	19,50	0,311	5,528	0,014	18,557	37,386	0,908	2,015
BHE 13	348401,734	9532833,716	168,518	7,00	0,310	5,095	0,013	19,093	36,660	0,808	1,920
BHE 14	347951,391	9532695,970	211,939	10,17	0,290	6,181	0,014	18,496	45,224	1,061	2,445
BHE 15	348099,000	9532688,000	177,000	13	0,343	6,135	0,020	18,303	41,685	0,870	2,278
BHE 16	348277,159	9532632,709	171,747	10,32	0,285	5,453	0,020	18,823	45,548	1,183	2,420
BHE 17	348485,606	9532656,540	193,258	5,00	0,285	5,500	0,010	18,945	48,040	1,080	2,536
BHE 18	347608,356	9532480,381	138,959	30,00	0,209	5,523	0,014	20,577	43,300	2,253	2,104
BHE 19	347767,010	9532478,301	143,783	16,21	0,257	4,923	0,020	18,880	44,227	1,630	2,343
BHE 20	347910,594	9532479,743	183,263	11,46	0,295	6,186	0,020	18,136	37,646	1,056	2,076
BHE 22	347809,432	9532287,244	178,992	20,62	0,223	5,488	0,015	21,859	51,389	1,859	2,351
BHE 23	347570,756	9532137,071	177,735	19,9	0,488	6,751	0,020	19,708	49,610	2,654	2,517
BHE 24	347643,237	9532201,128	183,420	19,70	0,313	6,275	0,013	19,625	47,594	1,458	2,425
BHE 25	347612,077	9531886,755	171,089	20,55	0,289	6,736	0,019	21,522	55,707	2,793	2,588

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					<i>Ni</i> (%)	<i>Fe</i> (%)	<i>Co</i> (%)	<i>MgO</i> (%)	<i>SiO₂</i> (%)	<i>CaO</i> (%)	<i>S/M</i>
BHE 26	347810,976	9531892,553	169,633	30,10	0,233	22,344	0,016	19,107	48,749	1,862	2,551
BHE 27	347810,763	9531781,025	197,022	20,25	0,216	5,472	0,014	20,009	55,900	2,243	2,794
BHE 28	347363,350	9531615,512	172,627	23,10	0,470	8,700	0,020	18,660	47,025	1,180	2,520
BHE 30	347622,000	9531596,000	174,000	21,40	0,525	5,947	0,022	18,575	47,997	9,752	2,584
BHE 31	347835,160	9531639,880	182,989	9,68	0,255	5,300	0,010	19,108	47,028	1,168	2,461
BHE 32	347306,012	9531427,071	127,077	19,05	0,333	6,023	0,013	19,875	44,548	1,000	2,241
BHE 33	347460,190	9531435,400	173,186	19,30	0,446	8,711	0,020	18,863	45,304	0,799	2,402
BHE 34	347655,579	9531421,057	160,404	16,61	0,230	5,685	0,010	20,275	42,920	0,650	2,117
BHE 35	347780,406	9531407,072	160,089	17,81	0,900	7,564	0,019	18,959	41,379	1,804	2,183
BHE 36	347867,075	9531340,095	163,000	12,78	0,393	6,907	0,017	18,860	43,490	0,983	2,306
BHE 37	347321,000	9531237,000	130,000	16,95	0,312	6,057	0,012	19,575	47,697	0,875	2,437
BHE 38	347477,170	9531267,600	170,985	24,05	0,235	6,995	0,020	19,305	43,180	2,435	2,237
BHE 39	347712,092	9531254,160	156,094	11,06	0,268	7,682	0,028	21,078	55,716	7,300	2,643
BHE 40	347873,014	9531246,480	153,095	10,20	0,417	7,023	0,017	19,253	50,053	1,000	2,600
BHE 41	347594,398	9531752,590	156,483	19,70	0,289	5,848	0,014	21,386	47,972	1,294	2,243
IDH 1	348073,593	9533500,236	184,424	16,3	0,368	5,928	0,010	18,850	52,846	1,228	2,000
IDH 2	348160,498	9533499,226	196,358	10	0,334	6,264	0,012	18,714	49,866	0,850	2,665
IDH 3	348066,091	9533345,966	165,788	16	0,390	6,090	0,013	19,123	49,173	1,117	2,000
IDH 4	348167,969	9533346,742	168,541	11,1	0,303	6,913	0,018	18,920	45,245	1,740	2,391
IDH 5	348266,407	9533340,654	179,071	11,5	0,405	6,553	0,015	18,528	53,088	0,943	2,865
IDH 6	348367,332	9533338,381	195,293	11	0,334	6,740	0,016	18,896	51,134	0,932	2,706
IDH 7	348265,298	9533244,541	173,203	9	0,508	6,368	0,013	18,723	53,215	1,108	2,842
IDH 8	348269,490	9533171,011	169,043	7	0,792	9,362	0,020	17,280	59,990	1,010	3,472
IDH 9	348380,694	9533172,699	182,159	10	0,253	5,213	0,010	18,715	53,280	0,766	2,847
IDH 10	348474,379	9533171,586	200,985	7	0,253	5,057	0,010	19,313	55,943	0,787	2,897
IDH 11	348370,444	9533094,510	171,592	7	0,460	5,883	0,013	18,795	57,090	0,698	3,038
IDH 12	348373,793	9533018,951	163,853	9	0,301	4,637	0,010	19,483	48,683	0,711	2,499

<i>HOLE_ID</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>EOH</i> (m)	UNSUR DAN SENYAWA						
					Ni (%)	Fe (%)	Co (%)	MgO (%)	SiO₂ (%)	CaO (%)	S/M
IDH 13	348482,966	9533018,930	169,435	7	0,270	5,380	0,010	19,877	48,967	0,930	2,464
IDH 14	347564,367	9532442,893	152,214	11	0,488	6,608	0,018	18,133	47,733	1,505	2,632
IDH 15	347610,666	9532411,334	153,852	15,05	1,317	7,910	0,017	18,867	48,863	0,690	2,590
IDH 16	347574,038	9532365,923	176,281	25,6	1,402	9,530	0,022	18,496	48,244	1,148	2,608
IDH 17	347612,484	9532336,976	176,431	17	0,960	7,970	0,013	18,767	49,753	1,277	2,651
IDH 18	347615,394	9532249,277	185,771	11	0,870	9,426	0,026	17,584	44,024	2,854	2,504
IDH 19	347570,803	9532213,522	173,120	13,1	0,750	6,640	0,015	18,915	44,870	1,175	2,372
IDH 20	347626,827	9532154,866	172,465	10,1	0,360	4,967	0,017	16,979	46,964	6,190	2,766
IDH 21	347416,951	9531590,910	179,443	26,52	0,530	8,907	0,020	18,290	54,530	0,570	2,981
IDH 22	347723,438	9531593,180	169,698	10	1,068	6,985	0,020	18,910	44,673	1,698	2,362
IDH 23	347435,559	9531503,228	180,345	15,04	0,453	5,918	0,013	18,275	43,300	0,548	2,369
IDH 24	347519,469	9531512,130	191,668	15,97	0,283	6,923	0,020	18,280	48,747	1,367	2,667
IDH 25	347612,430	9531507,335	170,066	16,33	0,479	8,997	0,033	18,544	46,009	7,437	2,481
IDH 26	347726,738	9531507,913	169,633	17,6	0,767	5,443	0,010	18,377	40,660	0,950	2,213
IDH 27	347799,363	9531515,632	176,007	11,95	0,315	6,070	0,015	18,870	47,760	1,795	2,531
IDH 28	347552,623	9531428,639	163,091	12,94	0,713	6,973	0,013	18,447	41,690	0,793	2,260
IDH 30	347476,822	9531348,342	159,521	7,76	1,370	12,283	0,023	17,287	45,327	0,920	2,622
IDH 31	347558,148	9531342,631	163,003	7,59	1,480	9,160	0,020	18,030	42,430	0,830	2,353
IDH 32	347664,306	9531343,017	161,650	8,42	0,515	9,620	0,035	16,085	48,280	4,900	3,002
IDH 33	347758,595	9531340,533	161,255	7,57	0,600	7,330	0,020	18,160	40,620	1,140	2,237
IDH 34	347427,072	9531246,961	161,487	6,53	1,155	7,975	0,020	17,915	48,885	0,975	2,729
IDH 35	347549,681	9531254,461	173,279	29,44	0,710	8,690	0,020	17,910	41,345	1,005	2,308

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1. LIMONIT

Correlations

		Ni	Fe	Co	MgO	SiO2	CaO	SM
Ni	Pearson Correlation	1	.390**	.239*	-.158	-.477**	-.364**	-.487**
	Sig. (2-tailed)		.001	.041	.178	.000	.001	.000
	N	74	74	74	74	74	74	74
Fe	Pearson Correlation	.390**	1	.665**	-.681**	-.920**	-.612**	-.898**
	Sig. (2-tailed)	.001		.000	.000	.000	.000	.000
	N	74	74	74	74	74	74	74
Co	Pearson Correlation	.239*	.665**	1	-.356**	-.639**	-.365**	-.636**
	Sig. (2-tailed)	.041	.000		.002	.000	.001	.000
	N	74	74	74	74	74	74	74
MgO	Pearson Correlation	-.158	-.681**	-.356**	1	.640**	.602**	.522**
	Sig. (2-tailed)	.178	.000	.002		.000	.000	.000
	N	74	74	74	74	74	74	74
SiO2	Pearson Correlation	-.477**	-.920**	-.639**	.640**	1	.667**	.986**
	Sig. (2-tailed)	.000	.000	.000	.000		.000	.000
	N	74	74	74	74	74	74	74
CaO	Pearson Correlation	-.364**	-.612**	-.365**	.602**	.667**	1	.593**
	Sig. (2-tailed)	.001	.000	.001	.000	.000		.000
	N	74	74	74	74	74	74	74
SM	Pearson Correlation	-.487**	-.898**	-.636**	.522**	.986**	.593**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	
	N	74	74	74	74	74	74	74

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

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

2. SAPROLIT

Correlations

		Ni	Fe	Co	MgO	SiO	CaO	SM
Ni	Pearson Correlation	1	.438**	.288*	-.281*	-.312**	-.251*	-.253*
	Sig. (2-tailed)		.000	.015	.018	.008	.035	.034
	N	71	71	71	71	71	71	71
Fe	Pearson Correlation	.438**	1	.933**	-.636**	-.554**	-.089	-.430**
	Sig. (2-tailed)	.000		.000	.000	.000	.462	.000
	N	71	71	71	71	71	71	71
Co	Pearson Correlation	.288*	.933**	1	-.628**	-.460**	.173	-.327**
	Sig. (2-tailed)	.015	.000		.000	.000	.149	.005
	N	71	71	71	71	71	71	71
MgO	Pearson Correlation	-.281*	-.636**	-.628**	1	.517**	.107	.225
	Sig. (2-tailed)	.018	.000	.000		.000	.376	.060
	N	71	71	71	71	71	71	71
SiO	Pearson Correlation	-.312**	-.554**	-.460**	.517**	1	.288*	.948**
	Sig. (2-tailed)	.008	.000	.000	.000		.015	.000
	N	71	71	71	71	71	71	71
CaO	Pearson Correlation	-.251*	-.089	.173	.107	.288*	1	.275*
	Sig. (2-tailed)	.035	.462	.149	.376	.015		.020
	N	71	71	71	71	71	71	71
SM	Pearson Correlation	-.253*	-.430**	-.327**	.225	.948**	.275*	1
	Sig. (2-tailed)	.034	.000	.005	.060	.000	.020	
	N	71	71	71	71	71	71	71

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

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

3. BEDROCK

Correlations

		Ni	Fe	Co	MgO	SiO	CaO	SM
Ni	Pearson Correlation	1	.338**	.299*	-.417**	-.126	-.080	.044
	Sig. (2-tailed)		.003	.010	.000	.287	.503	.709
	N	73	73	73	73	73	73	73
Fe	Pearson Correlation	.338**	1	.403**	-.260*	.118	.076	.256*
	Sig. (2-tailed)	.003		.000	.027	.320	.520	.029
	N	73	73	73	73	73	73	73
Co	Pearson Correlation	.299*	.403**	1	-.349**	.181	.553**	.370**
	Sig. (2-tailed)	.010	.000		.002	.126	.000	.001
	N	73	73	73	73	73	73	73
MgO	Pearson Correlation	-.417**	-.260*	-.349**	1	.535**	-.016	.155
	Sig. (2-tailed)	.000	.027	.002		.000	.892	.190
	N	73	73	73	73	73	73	73
SiO	Pearson Correlation	-.126	.118	.181	.535**	1	.393**	.916**
	Sig. (2-tailed)	.287	.320	.126	.000		.001	.000
	N	73	73	73	73	73	73	73
CaO	Pearson Correlation	-.080	.076	.553**	-.016	.393**	1	.466**
	Sig. (2-tailed)	.503	.520	.000	.892	.001		.000
	N	73	73	73	73	73	73	73
SM	Pearson Correlation	.044	.256*	.370**	.155	.916**	.466**	1
	Sig. (2-tailed)	.709	.029	.001	.190	.000	.000	
	N	73	73	73	73	73	73	73

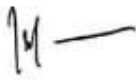
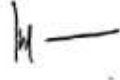
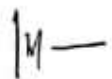
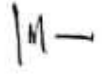
** . Correlation is significant at the 0.01 level (2-tailed).






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

LAMPIRAN H
KARTU KONSULTASI

JUDUL: "Studi karakteristik mineralogi dan geokimia Berdasarkan Zona Profil Endapan Nikel Laterit"

(Konsultasi minimal 8 kali)

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
11/4/22	<ul style="list-style-type: none"> - Perbaiki Latar belakang penelitian - Perbaiki tujuan penelitian - Koreksi kesalahan penulisan 	
15/4/22	<ul style="list-style-type: none"> - Tambahkan catatan kaki pada pendahuluan - Perbanyak rujukan pustaka pada bab 2 dan jurnal 	
22/4/22	<ul style="list-style-type: none"> - Perbaiki kesalahan penulisan pada bab 2 - Perbaiki kesalahan terminologi pada bab 2 - Tambahkan tipus /rujukan mengenai mobilitas unsur 	
9/5/22	<ul style="list-style-type: none"> - Tambahkan tipus /rujukan mengenai korelasi unsur dan senyawa - Tambahkan rujukan mengenai penentuan tipe endapan nikel laterit 	

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
23/05/22	<ul style="list-style-type: none"> - Perbaiki flowchart penelitian - perjelas metode penelitian - Perbaiki kesalahan penulisan 	
30/05/22	<ul style="list-style-type: none"> - Tambahkan peta lokasi pengambilan Sampel dan koordinatnya - Perbaiki hasil deskripsi petrografi - perbaiki penentuan nama batuan dengan isitikasi strekeseen. 	
10/06/22	<ul style="list-style-type: none"> - Tambahkan klasifikasi strekeseen pada bab 2 - Perbaiki hasil analisis XRD pada zona limonit dan saprolit, hilangkan yang banyak mgo. 	
29/06/22	<ul style="list-style-type: none"> - Perbaiki hasil analisis XRD pada zona limonit. - Perbaiki hasil komposit titik bor - Tambahkan rujukan derajat korelasi 	
8/07/22	<ul style="list-style-type: none"> - Tambahkan rujukan korelasi Pearson - Perbaiki hasil analisis korelasi SPSS - Tambah tabel korelasi. 	

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
15/07/22	<ul style="list-style-type: none"> - Perjelas alasan melakukan korelasi unsur - Tambahkan penjelasan alasan menefopkan tipe endapan sebagai nikel oksida 	
22/07/22	- ACC seminar hasil	M—
29/07/22	<ul style="list-style-type: none"> - Perbaiki hasil analisis xrd - Jelaskan lebih rinci mengenai analisis korelasi. - Tambahkan grafik korelasi - Tambahkan profil vertikal - Ulangi profil laterit 	
09/08/22	<ul style="list-style-type: none"> - kembali perbaiki grafik korelasi dan profil vertikal. Perbaiki peta tunjuk. 	
16/08/22	ACC ujian sidang	M—
02/09/22	Ubah tipe endapan menjadi nikel silikat, Perbaiki poster.	

Catatan: Lembar konsultasi asli dilampirkan pada satu dokumen skripsi.