

## DAFTAR PUSTAKA

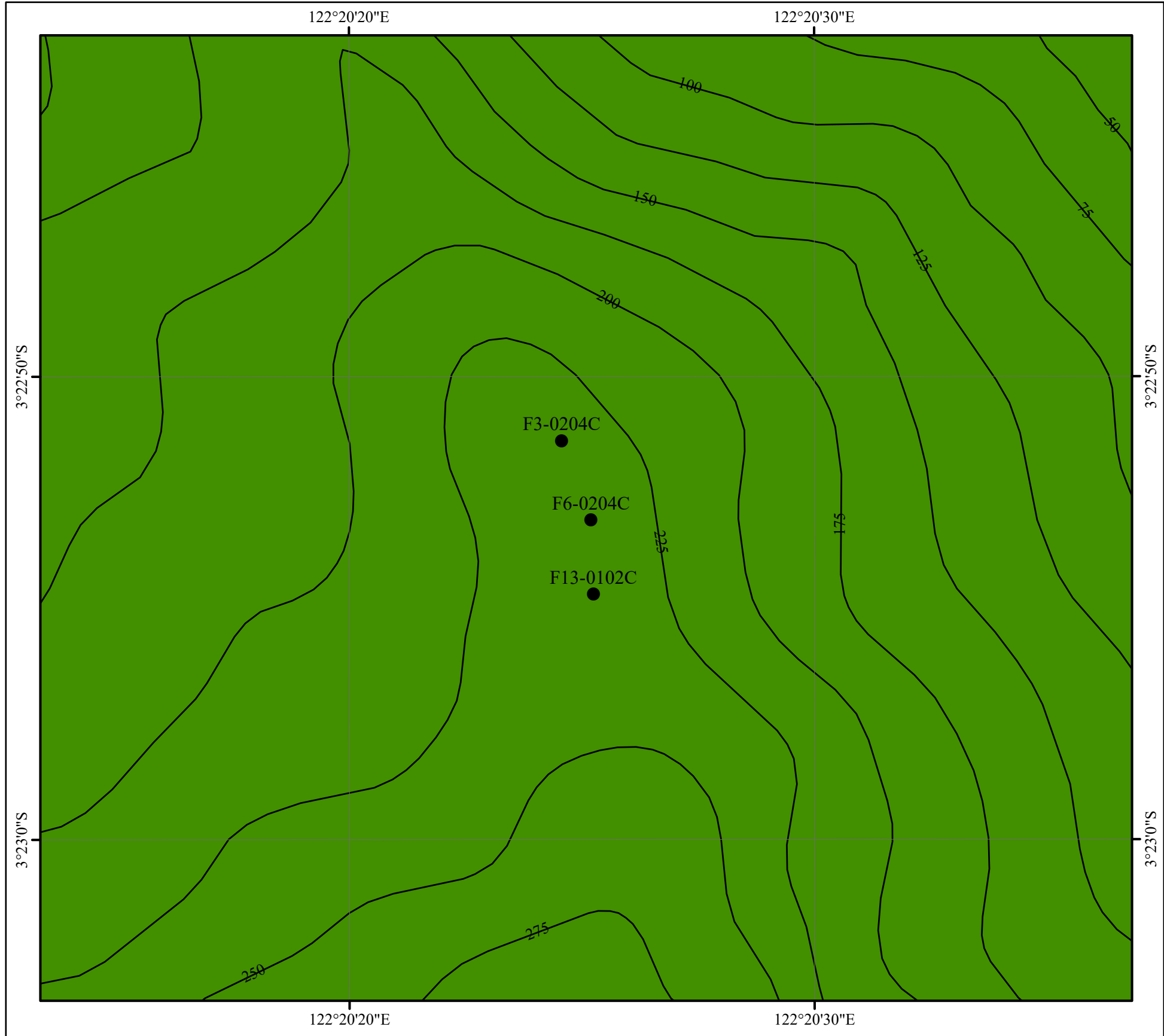
- Ahmad, W., 2005. *Laterite: Mine Geology, Exploration Method, Ore Processing, Resource Estimation and project Development. PT. Intenational Nickel Indonesia: Sorowako, South Sulawesi.*
- Ahmad, W. 2008. *Nickel Laterites: Fundamental of chemistry, mineralogy, weathering processes, formation and exploration*, Unpublished Training Manual, Vale Inco – VITSL, 330 p.
- Brand, N. W., Butt, C. R. & Elias, M., 1998. Nickel laterites: Classification and Features. *AGSO Journal of Australian Geology and Geophysics*, Volume 17, pp. 81-88..
- Boldt, J.R., 1996. *The Winning Of Nickels Its Geology, Mining, and Extractive Metalurgy, Toronto*
- Elias, M., 2002. *Nickel Laterite Deposits-Eological Overview, Resources And Exploitation, In Giant Ore Deposit: Characteristics, Genesis And Exploration*. Centre Ore Deposit Res., Univ. Tasmania, Spec. Pub 4, 205-220.
- Evans, A.M., 1993. *Ore Geology and Industrial Minerals : An Introduction, USA: Blackwell Publishing.*
- Freyssinet,P., C.R.M Butt, R.C Morris, dan P Piantone, 2005. *Ore-Forming Processes Related to Lateritic Weathering*, *Economic Geology* 100th Anniversary volume, pp 681-722
- Gleeson, S., Butt, C. & El, M., 2003. Nickel Laterites : A Review. *Society of Economic Geologists (SEG)*, July, pp. 12-18.
- Golightly, J., 1979. Nickelferous Laterites: A General Description. *Journal of Electrostatics*, pp. 3-23.

- Nahon, D. B., Boulange, B. & Colin, F., 1992. Metallurgy of Weathering: an Introduction, In Martini and Chesworth. *Weathering, Soil and Paleosols*, pp. 445-471.
- Nushantara, A. P., 2002. *Profil Kimia Pelapukan Bongkah Peridotit Dearah Dx, Sorowako, Sulawesi Selatan*. Ugm, Yogyakarta
- Roqué-Rosell, J., Mosselmans, J. F. W., Proenza, J. A., Labrador, M., Galí, S., Atkinson, K. D., Quinn, P. D., 2010. Sorption of Ni by “Lithiophorite–Asbolane” Intermediates in Moa Bay Lateritic Deposits, Eastern Cuba. *Chemical Geology*, Volume 275, p. 9 – 18.
- Streckeisen, A. L., 1976. *To Each Plutonic Rock It's Proper Name Earth Sci. Rev*, Vol. 12, p. 1-33
- Studi Kelayakan PT Sinar Jaya Sultra Utama Site Waturambaha tahun 2013, Waturambaha Sulawesi Tenggara
- Trescases, J. J., 1975. *Levolution Geochimique Supergene des Roches Ultrabasiques en Zone Tropicale; Formations des Gisements Nickeliferes de Nouvelle-Caledonie*. Paris, ORSTOM Mem. 78..

**TABEL ASSAY TITIK BOR**

No.	Sample ID	Depth (m)		Kadar (%)													ORE TYPE	LAYER GEOLOGI
		From	To	Ni	Fe	Co	P	S	SiO2	MgO	Al2O3	CaO	Cr2O3	MnO	P2O5	Fe2O3		
1	F3-0204C-1	0	1	1.21	40.43	0.15	0.00	0.13	11.99	1.54	9.88	0.04	2.36	0.88	0.00	57.81	OB	LIM
	F3-0204C-2	1	2	1.32	40.02	0.16	0.00	0.14	11.45	1.08	10.13	0.07	2.45	1.08	0.00	57.22	LIM	LIM
	F3-0204C-3	2	3	1.39	35.81	0.15	0.00	0.06	15.63	2.29	9.02	0.26	2.65	1.01	0.01	51.20	LIM	LIM
	F3-0204C-4	3	4	2.26	28.13	0.11	0.00	0.00	29.26	5.51	6.32	0.34	1.82	0.65	0.00	40.22	VHGO	SAP
	F3-0204C-5	4	5	2.40	30.48	0.12	0.00	0.00	24.79	4.58	6.42	0.12	2.19	0.69	0.00	43.59	VHGO	SAP
	F3-0204C-6	5	5.7	2.16	26.68	0.10	0.00	0.00	28.10	7.34	5.53	0.52	1.83	0.54	0.00	38.15	VHGO	SAP
	F3-0204C-7	5.7	6	0.40	6.99	0.02	0.00	0.00	35.70	37.03	1.18	1.43	0.39	0.11	0.01	9.99	WASTE	BRK
	F3-0204C-8	6	7	0.44	7.99	0.03	0.00	0.00	35.38	35.40	1.50	1.25	0.43	0.13	0.00	11.43	WASTE	BRK
	F3-0204C-9	7	7.5	0.17	6.62	0.02	0.00	0.01	35.03	38.64	1.23	1.48	0.39	0.11	0.01	9.47	WASTE	BRK
2	F6-0204C-1	0	1	1.06	35.05	0.09	0.00	0.05	23.57	3.57	7.96	0.07	2.09	0.51	0.01	50.12	OB	SOIL
	F6-0204C-2	1	2	1.34	26.82	0.08	0.00	0.01	30.00	6.23	7.74	0.44	1.68	0.64	0.01	38.35	WASTE	SAP
	F6-0204C-3	2	3	1.34	20.62	0.06	0.00	0.00	34.74	10.47	5.18	0.70	1.25	0.46	0.01	29.48	WASTE	SAP
	F6-0204C-4	3	4	1.34	18.75	0.06	0.00	0.00	39.50	9.76	5.29	0.86	1.00	0.29	0.01	26.81	WASTE	SAP
	F6-0204C-5	4	5	1.59	30.89	0.08	0.00	0.00	29.23	4.94	5.13	0.11	1.58	0.53	0.01	44.17	LGSO	SAP
	F6-0204C-6	5	6	1.66	20.62	0.07	0.00	0.00	36.25	9.11	4.44	0.36	1.23	0.39	0.00	29.48	MGSO	SAP
	F6-0204C-7	6	7	1.20	14.45	0.04	0.00	0.00	40.29	14.59	3.81	0.95	0.81	0.25	0.01	20.66	WASTE	SAP
	F6-0204C-8	7	8	1.26	15.85	0.05	0.00	0.00	39.94	13.63	3.94	1.03	0.86	0.28	0.00	22.66	WASTE	SAP
	F6-0204C-9	8	9	1.09	14.90	0.05	0.00	0.00	41.14	15.26	3.37	1.36	0.80	0.28	0.01	21.31	WASTE	R SAP
	F6-0204C-10	9	10	1.07	12.67	0.04	0.00	0.00	44.71	14.26	3.92	1.29	0.79	0.24	0.01	18.12	WASTE	R SAP
	F6-0204C-11	10	11	1.24	15.66	0.05	0.00	0.00	38.05	15.34	2.44	0.44	1.11	0.29	0.01	22.39	WASTE	SAP
	F6-0204C-12	11	12	1.32	13.03	0.04	0.00	0.00	40.26	18.15	1.71	0.11	1.19	0.24	0.00	18.63	WASTE	SAP
	F6-0204C-13	12	13	0.87	10.87	0.04	0.00	0.00	42.23	18.77	1.90	0.24	0.54	0.21	0.00	15.54	WASTE	SAP
	F6-0204C-14	13	14	1.15	14.38	0.05	0.00	0.00	39.15	16.58	2.78	0.45	0.88	0.28	0.00	20.56	WASTE	SAP
	F6-0204C-15	14	15	1.35	16.19	0.05	0.00	0.00	38.55	13.31	3.93	0.62	0.86	0.30	0.00	23.15	WASTE	SAP
	F6-0204C-16	15	15.3	1.00	10.48	0.04	0.00	0.00	42.82	19.69	2.47	1.45	0.48	0.20	0.00	14.98	WASTE	SAP R
	F6-0204C-17	15.3	16	0.61	8.04	0.03	0.00	0.00	43.63	25.53	1.86	1.59	0.32	0.15	0.00	11.49	WASTE	BLD
	F6-0204C-18	16	17	2.01	18.79	0.06	0.00	0.00	35.28	13.62	2.21	0.37	0.75	0.33	0.00	26.87	VHGO	R SAP
	F6-0204C-19	17	17.65	1.78	14.72	0.05	0.00	0.00	38.64	15.11	2.94	0.81	0.73	0.26	0.01	21.05	MGSO	R SAP
	F6-0204C-20	17.65	18	0.28	6.85	0.03	0.00	0.01	45.08	25.89	1.36	1.72	0.25	0.13	0.01	9.79	WASTE	BRK
	F6-0204C-21	18	19	0.23	6.52	0.02	0.00	0.01	44.61	26.45	1.30	1.45	0.27	0.12	0.00	9.33	WASTE	BRK
3	F13-0102C-1	0	1	0.91	40.67	0.11	0.00	0.11	16.92	3.93	8.77	0.01	2.41	0.71	0.01	58.16	OB	TP

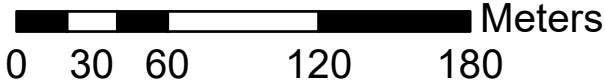
F13-0102C-2	1	2	1.05	38.56	0.10	0.00	0.10	18.23	4.95	8.24	0.06	2.38	0.65	0.01	55.14	OB	TP
F13-0102C-3	2	3	1.78	30.23	0.09	0.00	0.01	28.00	7.12	5.83	0.15	1.66	0.50	0.01	43.23	MGSO	SAP
F13-0102C-4	3	4	1.13	31.51	0.09	0.00	0.02	28.49	5.15	7.56	0.05	1.48	0.69	0.01	45.06	WASTE	SAP
F13-0102C-5	4	5	0.94	35.09	0.09	0.00	0.02	26.31	6.66	7.20	0.20	1.41	0.76	0.01	50.18	OB	SAP
F13-0102C-6	5	6	1.18	25.22	0.07	0.00	0.01	36.30	8.45	5.78	0.62	1.39	0.51	0.00	36.06	WASTE	SAP
F13-0102C-7	6	7	1.41	17.23	0.06	0.00	0.00	40.52	15.67	4.23	0.51	1.10	0.37	0.00	24.64	LGSO	SAP
F13-0102C-8	7	8	1.68	24.17	0.07	0.00	0.00	34.14	8.30	4.82	0.07	1.39	0.48	0.00	34.57	MGSO	SAP
F13-0102C-9	8	9	1.65	21.22	0.07	0.00	0.00	36.18	10.37	4.63	0.19	1.40	0.43	0.00	30.34	MGSO	SAP
F13-0102C-10	9	10	1.91	16.24	0.05	0.00	0.01	37.99	17.03	3.43	0.38	0.83	0.31	0.00	23.22	HGSO1	R.SAP
F13-0102C-11	10	11	1.19	15.20	0.05	0.00	0.00	40.62	15.49	3.79	0.52	0.94	0.30	0.00	21.74	WASTE	R.SAP
F13-0102C-12	11	12	1.29	15.08	0.05	0.00	0.00	42.12	14.31	3.93	0.25	0.78	0.31	0.00	21.57	WASTE	R.SAP
F13-0102C-13	12	13	0.84	12.07	0.04	0.00	0.00	43.50	17.14	3.58	0.54	0.62	0.25	0.00	17.26	WASTE	R.SAP
F13-0102C-14	13	14	0.48	10.78	0.03	0.00	0.00	42.15	22.71	2.39	0.86	0.42	0.24	0.00	15.41	WASTE	BRK
F13-0102C-15	14	15	0.37	8.38	0.03	0.00	0.01	41.15	26.37	2.04	1.38	0.38	0.17	0.00	11.98	WASTE	BRK



**PETA GEOLOGI  
BLOK F PT SINAR JAYA SULTRA UTAMA**



SKALA 1 : 3000



**KETERANGAN :**

- : SATUAN PERIDOTIT
- F3-0204C  : TITIK BOR
- : KONTUR

**PETA TUNJUK LOKASI**



**Sumber Peta :**  
Badan Informasi Geospasial UTM Zone 51S dan Direvisi oleh Utami Enka Lestari