

DAFTAR PUSTAKA

- Bugbee, E. E. (1992). *A text book of fire assaying*. Met-Chem Research, Inc.
- Hartman, H. L., & Mutmanský, J. M. (2002). *Introductory mining engineering*. Wiley.
- Imran, H.A., (2017). *Peran sampling dan distribusi data dalam penelitian komunikasi pendekatan kuantitatif*. Studi Komunikasi dan media, Vol.21(1), hal 111-126
- ISO. (2006). ISO 12743:2006 - *Copper, lead, zinc and nickel concentrates — Sampling procedures for determination of metal and moisture content*. International Organization for Standardization.
- McDonald, J. H. (2014). *Handbook of Biological Statistics* (3rd ed.). Sparky House Publishing
- Mular, A. L., & Bhappu, R. B. (Eds.). (1980). *Mineral processing plant design. Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers*.
- Prameswara, dkk. (2023). *Pengolahan Mineral I : Komunisi dan Benefisiensi Mineral*. Makassar: Fakultas Teknik Universitas Fajar.
- PT. Freeport Indonesia. (2024). *Sejarah kami* .<https://ptfi.co.id/id/sejarah-k>
- Republik Indonesia. (2009). *Undang-Undang No. 4 Tahun 2009 tentang Pertambangan Mineral dan Batubara*. Jakarta: Kementerian Energi Dan Sumber Daya Mineral
- Sillitoe, R. H. (2010). Porphyry copper systems. *Economic Geology*, 105(1), 3-41
- Skoog, D. A., West, D. M., Holler, F. J., & Crouch, S. R. (2004). *Fundamentals of Analytical Chemistry* (8th ed.). Brooks/Cole.
- Skoog, D. A., West, D. M., Holler, F. J., & Crouch, S. R. (2013). *Fundamentals of analytical chemistry* (9th ed.). Cengage Learning.
- Sugiyono. (2008). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Alfabeta.

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Lampiran 1: Analytical Report Based Mass systematic sampling

				Analytical Report				Jl. Kuala Kuningan. Kav-D1 Light Industrial Park. Kuala Kencana. Timika-Papua Tengah. 99968 Telp: (0901)301947 201222			
Final Report											
	Job No :		TMK.B01.00346.2024								
	Date received:		19-Feb-24								
	Date reported:		23-Feb-24								
	Client name:		PT. FREEPORT INDONESIA								
	Order number:		PROPER SHIPLOADING SAMPLE A1-A14								
	Sample ID		Au1	Au2	Cu	Ag	AU				
	SAMPLE A01		17.67	17.08	25.79	82.2	17.38		18.24	18.09	
	SAMPLE A02		18.24	18.09	25.84	79.1	18.17		18.22	17.59	
	SAMPLE A03		17.37	17.81	25.72	81.6	17.59		17.60	17.88	
	SAMPLE A04		18.22	17.59	25.65	82.0	17.91		17.50	17.16	
	SAMPLE A05		18.08	18.58	25.41	82.8	18.33		17.74	18.13	
	SAMPLE A06		17.60	17.88	25.52	82.5	17.74		18.32	19.07	
	SAMPLE A07		18.55	18.76	25.77	83.7	18.66		18.32	17.93	
	SAMPLE A08		17.50	17.16	25.87	85.4	17.33		17.99	17.98	
	SAMPLE A09		19.50	19.00	25.91	86.4	19.25				
	SAMPLE A10		17.74	18.13	25.51	88.0	17.94				
	SAMPLE A11		18.65	18.02	25.50	89.2	18.34				
	SAMPLE A12		18.32	19.07	26.00	83.5	18.70				
	SAMPLE A13		18.26	17.30	25.93	85.6	17.78				
	SAMPLE A14		18.32	17.93	25.47	91.0	18.13				
	Average		18.14	18.03	25.71	84.50	18.09				

Lampiran 2 : Analitical report Of Based Time Systematic sampling

 Analytical Report Jl. Kuala Kuningan. Kav-D1 Light Industrial Park. Kuala Kencana. Timika-Papua Tengah. 99968 Telp: (0901)301947									
Final Report									
	Job No :	TMK.B01.00347.2024							
	Date received:	19-Feb-24							
	Date reported:	23-Feb-24							
	Client name:	PT. FREEPORT INDONESIA							
	Order number:	PROPER SHIPLOADING SAMPLE B1-B6							
	Sample ID	Au1	Au2	Cu	Ag	Au			
	SAMPLE B01	19.94	20.38	25.37	83.3	20.16			
	SAMPLE B02	19.75	20.34	25.30	84.4	20.05			
	SAMPLE B03	18.75	19.04	25.74	85.0	18.90			
	SAMPLE B04	19.81	20.15	25.76	82.5	19.98			
	SAMPLE B05	20.78	19.99	25.77	84.8	20.39			
	SAMPLE B06	19.73	19.78	25.88	82.4	19.76			
	Average	19.79	19.95	25.64	83.73	19.87			