DAFTAR PUSTAKA

Adinda. (2025). Pengaruh Oxygen Shear Reactor (Osr) Terhadap Kinetika Dan Persen Ekstraksi Emas Pada Proses Sianidasi Dengan Metode Uji Agitasi.

Aminah, S. (2018). Karakterisasi batuan bijih emas. *Elemen: Jurnal Teknik Mesin*, *5*(2), 66–70.

Baloyi, N. P., Nseke, J. M., & Makhatha, M. E. (2022). *Research Article Application of Response Surface Methodology (RSM) for Simultaneous Optimization of Kinetic Parameters Affecting Gold Leaching in Thiosulfate Based Media: A Statistical Approach*.

Barbouchi, A., Ayadi, S., Idouhli, R., Khadiri, M., Abouelfida, A., Barfoud, L., Faqir, H., Benzakour, I., & Benzakour, J. (2025). Highly efficient pretreatment for refractory gold ores using persulfate, catalyst and free radical based advanced oxidation processes to improve cyanidation. *Hydrometallurgy*, *235*, 106488.

Blamey, N. J. F., Campbell, A. R., & Heizler, M. T. (2017). The hydrothermal fluid evolution of vein sets at the pipeline gold mine, Nevada. *Minerals*, *7*(6). https://doi.org/10.3390/min7060100

CELEP, O., ALP, İ., DEVECİ, H., & Vicil, M. (2009). Characterization of refractory behaviour of complex gold/silver ore by diagnostic leaching. *Transactions of Nonferrous Metals Society of China*, *19*(3), 707–713.

Cetin, M. C., Emre Altun, N., U¨mit Atalay, M., & Bu¨yu¨ktanir, K. (2017). Bottle roll testing for cyanidation of gold ores: Problems related to standardized procedures on difficult-to-process ores. *Proceedings of the World Congress on Mechanical, Chemical, and Material Engineering*. https://doi.org/10.11159/mmme17.148

Crundwell, F. K., & Godorr, S. A. (1997). A mathematical model of the leaching of gold in cyanide solutions. *Hydrometallurgy*, *44*(1–2), 147–162.

Deschênes, G. (2016). Advances in the cyanidation of gold. In *Gold Ore Processing* (pp. 429–445). Elsevier.

Egan, J., Bazin, C., & Hodouin, D. (2016). Effect of particle size and grinding time on gold dissolution in cyanide solution. *Minerals*, *6*(3), 68.

Esmkhani, R., Ghobadi, B., Amirkhani, A., & Rezadust, S. (2013). The effect of increasing capacity on gold recovery and optimization of cyanidation parameters in Aghdarreh gold ore plant. *Australian Journal of Basic and Applied Sciences*, *7*(2), 702–708.

González, M. F., Saadatkhah, N., & Patience, G. S. (2024). Experimental methods in chemical engineering: X-ray fluorescence—XRF. In *Canadian Journal of Chemical Engineering* (Vol. 102, Number 6, pp. 2004–2018). John Wiley and Sons Inc. https://doi.org/10.1002/cjce.25218

Goodall, W. R., Scales, P. J., & Butcher, A. R. (2005). The use of QEMSCAN and diagnostic leaching in the characterisation of visible gold in complex ores. *Minerals Engineering*, *18*(8), 877–886.

Juvonen, R., & Kontas, E. (1999). Comparison of three analytical methods in the determination of gold in six Finnish gold ores, including a study on sample preparation and sampling. *Journal of Geochemical Exploration*, *65*(3), 219–229.

Karunasingha, D. S. K. (2022). Root mean square error or mean absolute error? Use their ratio as well. *Information Sciences*, *585*, 609–629. https://doi.org/10.1016/j.ins.2021.11.036

Kavalieris, I., Van Leeuwen, T. M., & Wilson, M. (1992). Geological setting and styles of mineralization, north arm of Sulawesi, Indonesia. *Journal of Southeast Asian Earth Sciences*, *7*(2–3), 113–129.

Kianinia, Y., Khalesi, M. R., Abdollahy, M., Hefter, G., Senanayake, G., Hnedkovsky, L., Khodadadi Darban, A., & Shahbazi, M. (2018). Predicting cyanide consumption in gold leaching: a kinetic and thermodynamic modeling approach. *Minerals*, *8*(3), 110.

La Brooy, S. R., Linge, H. G., & Walker, G. S. (1994). Review of gold extraction from ores. *Minerals Engineering*, *7*(10), 1213–1241.

Larrabure, G., & Rodríguez-Reyes, J. C. F. (2021). A review on the negative impact of different elements during cyanidation of gold and silver from refractory ores and strategies to optimize the leaching process. *Minerals Engineering*, *173*, 107194.

Li, J., Yang, H., Zhao, R., Tong, L., & Chen, Q. (2023). Mineralogical characteristics and recovery process optimization analysis of a refractory gold ore with gold particles mainly encapsulated in pyrite and Arsenopyrite. *Geochemistry*, *83*(1), 125941.

Ling, P., Papangelakis, V. G., Argyropoulos, S. A., & Kondos, P. D. (1996). An improved rate equation for cyanidation of a gold ore. *Canadian Metallurgical Quarterly*, *35*(3), 225–234.

Lorenzen, L. (1995). Some Guidelines To The Design Of A Diagnostic Leaching Experiment. In *Minerals Engineering* (Vol. 8, Number 3).

Lorenzen, L., & Tumilty, J. A. (1992). Diagnostic leaching as an analytical tool for evaluating the effect of reagents on the performance of a gold plant. *Minerals Engineering*, *5*(3–5), 503–512.

Lorenzen, L., & Van Deventer, J. S. J. (1992). The mechanism of leaching of gold from refractory ores. *Minerals Engineering*, *5*(10–12), 1377–1387.

Marsden, J., & House, I. (2006a). *The chemistry of gold extraction*. SME.

Marsden, John., & House, C. Iain. (2006b). *Chemistry of Gold Extraction*. SME.

Medina, D., & Anderson, C. G. (2020). A review of the cyanidation treatment of copper-gold ores and concentrates. *Metals*, *10*(7), 897.

MR Pryor. (2012). *Minerals Processing*.

Mubarok, M. Z., & Fathoni, M. W. (2016). Studi Kinetika Pelindian Bijih Nikel Limonit Dari Pulau Halmahera Dalam Larutan Asam Nitrat [Kinetics Study of Nickel Limonite Ore Leaching from Halmahera Island in Nitric Acid Solution]. *Jurnal Metalurgi*, *31*(1), 59–68.

Nicol, M. J., Fleming, C. A., & Cromberge, G. (1984). The absorption of gold cyanide onto activated carbon. I. The kinetics of absorption from pulps. *Journal of the South African Institute of Mining and Metallurgy*, *84*(2), 50–54.

Palomo-Briones, R., Ovando-Franco, M., Razo-Flores, E., Celis, L. B., Rangel-Méndez, J. R., Vences-Álvarez, E., Cruz, R., Lázaro, I., & Briones-Gallardo, R. (2016). An Overview of Reclaimed Wastewater Reuse in Gold Heap Leaching. *Mineral Processing and Extractive Metallurgy Review*, *37*(4), 274–285. https://doi.org/10.1080/08827508.2016.1190356

Petersen, J. (2016). Heap leaching as a key technology for recovery of values from low-grade ores–A brief overview. *Hydrometallurgy*, *165*, 206–212.

Prameswara, G., & CHINTIA, A. (2024). *Pengolahan Mineral Ii Ekstraktif Metalurgi*. Al Arsy Media.

Qin, H., Guo, X., Tian, Q., Yu, D., & Zhang, L. (2021). Recovery of gold from sulfide refractory gold ore: Oxidation roasting pretreatment and gold extraction. *Minerals Engineering*, *164*, 106822.

Rangan, F. E., Yanas, Y. G., & Usman, R. (2024). Analysis of %Extraction Value Approach of The North Mainrigde with Botlle Roller Test Method at PT. J Resources Bolaang Mongndow. In *Jurnal Teknologi Sumberdaya Mineral* (Vol. 5, Number 1).

Robinson, J. W. (1960). Atomic absorption spectroscopy. *Analytical Chemistry*, *32*(8), 17A-29A.

Rompo, I., Ismail, F., Santoso, S. B., Rosana, M. F., & Yuningsih, E. T. (2023a). Petrogenetic of Igneous Complex of Ilota Nanasi Gold Deposit, Gunung Pani, Gorontalo, Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, *8*(4), 312–323. https://doi.org/10.25299/jgeet.2023.8.4.14250

Rompo, I., Ismail, F., Santoso, S. B., Rosana, M. F., & Yuningsih, E. T. (2023b). Petrogenetic of Igneous Complex of Ilota Nanasi Gold Deposit, Gunung Pani, Gorontalo, Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, *8*(4), 312–323. https://doi.org/10.25299/jgeet.2023.8.4.14250

Rubisov, D. H., Papangelakis, V. G., & Kondos, P. D. (1996). Fundamental kinetic models for gold ore cyanide leaching. *Canadian Metallurgical Quarterly*, *35*(4), 353–361.

Sanjesti, A., Banurea, R., Nahdi, S. A., & Wahyuningsih, T. (2025). The Effect of Cyanide Concentration and Grinding Time in Tailings on %Extraction at PT. Agincourt Resources. *Journal of Metallurgical Engineering and Processing Technology*, *5*(2). https://doi.org/10.31315/jmept

Siagian, R. R. A.-A. (2025). Persepsi Masyarakat Indonesia Terhadap Kenaikan Harga Emas Sebagai Instrumen Investasi Jangka Panjang: Sebuah Tinjauan Literatur. *Future Academia : The Journal of Multidisciplinary Research on Scientific and Advanced*, *3*(1), 72–79. https://doi.org/10.61579/future.v3i1.298

Terashima, S. (1978). The rapid determination of total carbon and sulfur in geological materials by combustion and infrared absorption photometry. *Analytica Chimica Acta*, *101*(1), 25–31.

Wills, B. A., & Napier-Munn, T. J. (2006). *Wills' Introduction to Mineral Processing Technology*. Elsevier.

Woollacott Stange W. & King RP, L. C. (1990). Towards more effective simulation of CIP and CIL processes. 1. The modelling of adsorption and leaching. *Journal of the Southern African Institute of Mining and Metallurgy*, *90*(10), 275–282.

Zhao, Q., Yang, H., & Tong, L. (2024). Evaluation of Cyanide Leaching Behavior of Typical Associated Copper Minerals in Gold Concentrates Based on Solution Chemistry and Interfacial Physicochemical Properties Analysis: Zhao, Yang, and Tong. *JOM*, *76*(12), 7218–7230.