

DAFTAR PUSTAKA

- Altinkaya, P., Wang, Z., Koroleva, I., Hamuyuni, J., Haapalainen, M., Kolehmainen, E., Yliniemi, K., Lundstrom, M., 2020. Leaching and recovery of gold from ore in cyanide-free glycine media. *Miner. Eng.* 158, 106610
- Anonim. 2018. Pengolahan Bijih Emas dan Perak. Diakses di <https://ardra.biz/topik/recovery-bijih-emas-free-milling-dan-refractory/>
- Antam. 2020. Laporan Uji Industrial Arinem. UNIT GEOMIN & TECHNOLOGY DEVELOPMENT PT ANTAM Tbk 2020
- Ariyanti, Dhita; Syaifuddin, Muhammad. Au Extraction from Mineral Rocks with Aeration-Cyanidation Hydrometallurgy and Comparative Study of Its Effectiveness in Various Methods and Solvents. **JKPK (Jurnal Kimia dan Pendidikan Kimia)**, [S.l.], v. 4, n. 2, p. 115-122, aug. 2019. ISSN 2503-4154. Available at: <https://jurnal.uns.ac.id/jkpk/article/view/29020/22530>. Date accessed: 17 July 2022. doi:<http://dx.doi.org/10.20961/jkpk.v4i2.29020>
- ATSDR (2006) Toxicological Profile for Cyanide. Registry, A.f.T.S.a.D. (ed).
- Avraamides, J., 1982. Prospects for alternative leaching systems for gold: a review. In: Carbon-in-Pulp Seminar. The Aus.I.M.M. Perth and kaigoorii branches and Murdoch university
- Aylmore, M., 2016. Chapter 27: alternative lixivants to cyanide for leaching gold ores. In: Adams, M.D. (Ed.), *Gold Ore Processing: Project Development and Operations*, second ed. Elsevier B.V., Amsterdam, Netherlands, pp. 447e484.
- Brown, D.H., Smith, W.E, 1982. The Reactions of Gold(O) with Amino Acids and the Significance of these Reactions in the Biochemistry of Gold. *Inorganica Chimica Acta*, 67, 27-30.
- Caruso, S.G. 1995. *The Chemistry of Cyanide Compounds and Their Behaviour in The Aquatic Environment*, Pittsburgh: Carnegie Mellon Institute of Research.
- Cotton, F. A., & Wilknsn, G. (1989). *Kimia Anorganik Dasar*. (bahasa: Alih Sahati Suharto). Jakarta: UI-Press.

- Corbett, G.J. dan Leach, T.M., 1996, Southwest Pacific Rim Gold/Copper System: Structure, Alteration and Mineralization. A workshop presented for the Society Exploration Geochemist, Townsville, 185 h.
- Diantoro, Y. (2010). *Emas : Investasi & Pengolahannya*. Jakarta: Gramedia Pustaka Utama.
- Eksteen, J.J., Oraby, E.A., Tanda, B., 2016. An alkaline glycine-based process for copper recovery and iron rejection from chalcopyrite. 28th International Mineral Processing Congress IMPC 2016. 1, 158-168.
- Gerasimov, AM., Eremina, OV., Cherkasova, MV., and Dmitriev, SV., 2021. Application of particle-size analysis in various industries. Journal of Physics: Conference Series. doi:10.1088/1742-6596/1728/1/012003
- Khopkar, S. M. (1990). *Konsep Dasar Kimia Analitik*. Jakarta: UI Press.
- Korobushkina, E.D., Karavaiko, G.I. and Korobushkin, I.M., 1983. Biochemistry of Gold, Environmental Biogeochemistry, 35, 325-333.
- M. Abd. Mutalib. 2017. Scanning Electron Microscopy (SEM) and Energy-Dispersive X-Ray (EDX) Spectroscopy. Universiti Teknologi Malaysia, Johor Bahru, Johor, Malaysia. <https://doi.org/10.1016/B978-0-444-63776-5.00009-7>
- Marsden, J., dan House, I., *The Chemistry of Gold Extraction*, Colorado, USA: Society for Mining, Metallurgy, and Exploration, Inc, 2006
- Oraby, E.A., Eksteen, J.J., 2015a. The leaching of gold, silver and their alloys in alkaline glycine-peroxide solutions and their adsorption on carbon. *Hydrometallurgy* 152, 199–203.
- Oraby, E.A., Eksteen, J.J., 2015b. Gold leaching in cyanide-starved copper solutions in the presence of glycine. *Hydrometallurgy* 156, 81–88.
- Oraby, E.A., Eksteen, J.J., Karrech, A., Attar, M., 2019. Gold extraction from paleochannel ores using an aerated alkaline glycine lixiviant for consideration in heap and in-situ leaching applications. *Miner. Eng.* 138, 112–118.
- Oraby, E.A., Eksteen, J.J., Tanda, B.C., 2017. Gold and copper leaching from gold-copper ores and concentrates using a synergistic lixiviant mixture of glycine and cyanide. *Hydrometallurgy* 169, 339–345.
- Oxtoby, P. W. (2003). *Kimia Modern*. Edisi 4 Jilid 1. Jakarta: Erlangga.

- Perea, C.G., Restrepo, O.J., 2018. Use of amino acids for gold dissolution. *Hydrometallurgy* 177, 79–85. <https://doi.org/10.1016/j.hydromet.2018.03.00>
- PT. Smartlab Indonesia. 2019. Lembar Data Keselamatan Bahan Glycine. Dapat diakses di www.smartlab.co.id
- Sirsyah, Hanajit Ranu. 2018. Studi Karakterisasi Bijih Emas Aluvial Berkadar Besi Tinggi dari Distrik Mimika Papua Dengan Metode Diagnostic Leaching Dan Pulverized Bottle Roll. Skripsi. Program Studi Sarjana Teknik Metalurgi Institut Teknologi Bandunga: Bandung
- W. Luo, Q. Feng, G. Zang, dan Y. Cheng, “Kinetics of saprolitic laterite leaching by sulphuric acid at atmospheric pressure,” *Miner. Eng.*, vol. 23, pp. 458-462, 2010.