

DAFTAR PUSTAKA

- A.A. El-Bellihi. 2010. "Kinetics of Thermal Decomposition of Iron Carbonate". Egypt. J. Chem 53: pp 871-884.
- Astuti, Widi, Z Zulhan, A Shofi, K Isnugroho, F Nurjaman, dan E Prasetyo. 2012. "Pembuatan Nickel Pig Iron (Npi) Dari Bijih Nikel Laterit Indonesia Menggunakan Mini Blast Furnace." *Prosiding InSINas*: 66–71.
- Astuti, Widi, Tsuyoshi Hirajima, Keiko Sasaki, dan Naoko Okibe. 2016. "Comparison of Effectiveness of Citric Acid and Other Acids in Leaching of Low-Grade Indonesian Saprolitic Ores." *Minerals Engineering* 85: 1–16. <http://dx.doi.org/10.1016/j.mineng.2015.10.001>.
- Asy'ari, Muhammad Amril, Rachmat Hidayatullah, dan Aflan Zulfadli. 2013. "Geologi Dan Estimasi Sumberdaya Nikel Laterit Menggunakan Metode Ordinary Kriging Di." 8(1): 7–15.
- Bhattacharjee S, K K Gupta, S Chakravarty, P Thakur dan G Bhattacharyya. 2004. "Separation of Iron, Nickel, and Cobalt from Sulphated Leach Liquor of Low Nickel Lateritic Oxide Ore ." *Separation Science and Technology* 39(2): 413–29.
- Chibowski, E., Lucyna Holysz dan Aleksandra Szczes., 2003. " Adhesion of In Situ Precipitation Calcium Carbonat in the Presence and Absence of Magnetic Field in Quiscent Condition on Different Solid Surface, water Research (37): 4685 - 4692.
- Dalvi, Ashok D, W Gordon Bacon, dan Robert C Osborne. 2004. "The Past and the Future of Nickel Laterites World's Land Based Nickel Resources and Primary Nickel Production Nickel Production , Kt / Yr." *PDAC 2004 International Convention* (Figure 2): 1–27.
- Dean, John. *Lange'S Handbook of Chemistry*. <http://fptl.ru/biblioteka/spravo4niki/dean.pdf>.
- Deniz Bas, Ismail H, dan Boyaci. 2007. " Modeling and Optimization 1: Usability of Response Surface Methodology." *Journal of Food Engeenering* : 836 - 845.
- Donegan, S. 2006. "Direct Solvent Extraction of Nickel at Bulong Operations." *Minerals Engineering* 19(12): 1234–45.
- ESDM, Pusdatin. 2012. "SUPPLY DEMAND MINERAL Kajian."
- Hern, C M F, A N Banza, dan E Gock. 2007. "Recovery of Metals from Cuban Nickel Tailings by Leaching with Organic Acids Followed by Precipitation and Magnetic Separation." 139: 25–30.
- HSEA Agustina, IMA Bendiyasa, HTBM Petrus, FR Mufakir, dan W Astuti, "Pelindian Nikel dari Biji limonit Low Grade Pomalaa menggunakan Pelarut Asam Asetat", Seminar Nasional Teknik Kimia Kejuangan. 2018.
- Ilma Fadlilah*, Agus Prasetya* dan Panut Mulyono. 2018. "Recovery Ion Hg 2 + Dari

- Interfaces, Material, dan Mawson Lakes. 2014. “Improving the Processability of Complex Low Grade Nickel Laterite Dispersions.”
- I. Sinha dan R. K. Mandal, 2011. "Avrami Exponent Under Transient and Heterogeneous Nucleation Transformation Condition." *Journal of Non-Crystallin Solid* : 919 - 925.
- Jandová, J., K. Lisá, H. Vu, dan F. Vranka. 2005. “Separation of Copper and Cobalt-Nickel Sulphide Concentrates during Processing of Manganese Deep Ocean Nodules.” *Hydrometallurgy* 77(1–2): 75–79.
- Jephcott, dan Brendan. 2016. “Lithium Industry Analysis 2016.” (July): 1–19. <http://www.goldendragoncapital.com/commodity-research/>.
- KC Wanta, HTBM Petrus, I Perdana, dan W Astuti, " Uji Validitas Model Shrinking Core terhadap Pengaruh Konsentrasi Asam Sitrat dalam Proses Leaching Nikel Laterit", Departemen Teknik Kimia, Universitas Gadjah Mada, 2017.
- Kiagus, D dan Setia, U.D., 2013. "Pengaruh Sintering dan Penambahan Senyawa Karbonat pada Sintesis Senyawa Kalsium Fosfat".
- “Kirk, R.E. dan Othmer, D.F., 1982, —Encyclopedia of Chemical Technology, 3rd Ed., Vol. 14,.Pdf.”
- Kobe, S., D, Drazic., A. C, dan Sarantopoulou., 2002. " Nucleation and Crystallization of CaCO₃ in Applied Magnetic Fields". *Cristal Engineering*, (5): 243 - 253.
- Kyle, J., 2010, —Nickel laterite processing technologies – Where to next?!, ALTA 201Nickel/Cobalt/Copper Conference, Perth, 24-27 Mei 2010.
- Lewis, dan Alison Emslie. 2010. “Review of Metal Sulphide Precipitation.” *Hydrometallurgy* 104(2): 222–34. <http://dx.doi.org/10.1016/j.hydromet.2010.06.010>.
- Lewis, A. (2017). Precipitation of Heavy Metals. In E. R. al., *Sustainable Heavy Metal Remediation* (pp. 101 - 120). Springer International Publishing
- Li, S., 1999, —Study of nickeliferrous laterite reduction, Thesis, McMaster University.
- Metallurgical, Alta, dan Services It. 2010. “To next ? In : ALTA 2010 Nickel / Cobalt / Copper Conference , 24 - NICKEL LATERITE PROCESSING TECHNOLOGIES-.” : 24–27.
- Morcali, Mehmet Hakan, Leili Tafaghodi Khajavi, dan David B Dreisinger. 2017. “Extraction of Nickel and Cobalt from Nickeliferrous Limonitic Laterite Ore Using Borax Containing Slags.” *International Journal of Mineral Processing*. <http://dx.doi.org/10.1016/j.minpro.2017.07.012>.
- Mubarok, M.Z., dan J. Lieberto. 2013. “Precipitation of Nickel Hydroxide from Simulated and Atmospheric-Leach Solution of Nickel Laterite Ore.” *Procedia Earth and Planetary Science* 6: 457–64. <http://linkinghub.elsevier.com/retrieve/pii/S1878522013000611>.

Oustadakis, P., S. Agatzini-Leonardou, dan P. E. Tsakiridis. 2006. "Nickel and Cobalt Precipitation from Sulphate Leach Liquor Using MgO Pulp as Neutralizing Agent." *Minerals Engineering* 19(11): 1204–11.

Prasetyo, Pugu. 2016. "SUMBER DAYA MINERAL DI INDONESIA KHUSUSNYA BIJIH NIKEL LATERIT DAN MASALAH PENGOLAHANNYA SEHUBUNGAN DENGAN UU MINERBA 2009." (November): 1–10.

Rochani, Siti, dan Nuryadi Saleh. 2013. "Teknologi Pengolahan Dan Pemurnian Nikel." : 1–9.

Roessiana D L; Setiyadi dan Sandy BH. 2014. "Pada Proses Sedimentasi Dalam Keadaan Free Settling." 6: 98–106.

Siame, J, dan H Kasaini. 2013. "Selective Precipitation of Pt and Base Metals in Liquid-Liquid Chloride Systems." *International Conference on Chemical and Environmental Engineering*: 88–95.

Simate, G.S., dan Ndlovu, S., 2008, —Bacterial leaching of nickel laterites using chemolithotrophic microorganisms : Identifying influential factors using statistical design of experiments, Int. J. Miner. Process, 88, 31-36.

Slamet Sumardi, Mohammad Zaki Mubarak, Nuryadi Saleh, dan F. Firdiyono., 2012. " Pelindian Reduktif Biji Mangan Nusa Tenggara Timur dengan Menggunakan Molases dalam Suasana Asam."

Sushanta. K. B, Himanshu. M, Sudipto. C, dan B.C. Meikap. 2018. " Application of Response Surface Methodology (RSM) for Optimization of Leaching Parameters for Ash Reduction from Low-Grade Coal." *International Journal of Mining Science and Technology*: 621-629.

Sutisna, Deddy T., Dwi Nugroho Sunuhadi, Agus Pujobroto, dan Danny Z Herman. 2006. "Perencanaan Eksplorasi Cebakan Nikel Laterit Di Daerah Wayamli, Teluk Buli, Halmahera Timur Sebagai Model Perencanaan Eksplorasi Cebakan Nikel Laterit Di Indonesia." *Buletin Sumber Daya Geologi* 1(3): 48–56.

Wang, K., J. Li, R. G. McDonald, dan R. E. Browner. 2018. "Iron, Aluminium and Chromium Co-Removal from Atmospheric Nickel Laterite Leach Solutions." *Minerals Engineering* 116(October): 35–45.

Wang, Lawrence K, David A. Vaccari, Yan Li, dan Nazih K. Shammass. 1990. "Chemical Precipitation." *Handbook of Environmental Chemistry, Volume 3: Physicochemical Treatment Process* 3: 140–96.

Y. Wang, A. J. Babchin, L. Tt. Cherny, R. S. Chow, dan R P. Sawatzky., 1997. " Rapid Onset of Calcium Carbonat Crystalization Under thr Influence of A Magnetic Field". *water Research* (31): 346 - 350.

Zhu, Z, Pranolo, Y Zhang, W Wang, dan Cheng. 2010. "Precipitation of Impurities from Synthetic Laterite Leach Solutions." *Hydrometallurgy* 104(1): 81–85. <http://dx.doi.org/10.1016/j.hydromet.2010.05.003>.