

DAFTAR PUSTAKA

- Asad, M. W. A., dan E. Topal. 2011. *Net present value maximization model for optimum cut-off grade policy of open pit mining operations*. Journal of the Southern African Institute of Mining and Metallurgy Vol. 111 (11). h. 741–750.
- Asad, M. W. A., M. A. Qureshi, dan H. Jang. 2016. *A review of cut-off grade policy models for open pit mining operations*. Resources Policy Vol. 49. Elsevier. h. 142–152.
- Asad, M. W. A., dan R. Dimitrakopoulos. 2012. *Optimal production scale of open pit mining operations with uncertain metal supply and long-term stockpiles*. Resources Policy Vol. 37 (1), h. 81–89.
- Asy'ari, M. A. 2011. *Geologi dan Estimasi Sumberdaya Endapan Nikel Laterit Dengan Metode IDW (Inverse Distance Weight) dan Kriging Pada Daerah Bahodopi, Kabupaten Morowali, Provinsi Sulawesi Tengah*. Tesis. Yogyakarta: Program Pasca Sarjana Teknik Geologi Jurusan Teknik Geologi Universitas Gadjah Mada.
- Asy'ari, M. A. 2012. *Geologi dan Estimasi Sumberdaya Nikel Laterit dengan Metode IDW (Inverse Distance Weight) dan Kriging pada Daerah Bahodopi Kabupaten Morowali Provinsi Sulawesi Tengah*. Jurnal Intekna Vol. XII (1). h. 17–22.
- Ataei, M., dan M. Osanloo. 2003. *Determination of optimum cutoff grades of multiple metal deposits by using the Golden Section search method*. The South African Institute of Mining and Metallurgy. h. 493–500.
- Azimi, Yousuf, dan Morteza Osanloo. 2011. *Determination of open pit mining cut-off grade strategy using combination of nonlinear programming and genetic algorithm*. Archive of Mining Science Vol. 56 (2). h. 189–212.
- Bascetin, A., dan A. Nieto. 2007. *Determination of optimal cut-off grade policy to optimize NPV using a new approach with optimization factor*. Journal of the Southern African Institute of Mining and Metallurgy Vol. 107 (2). h. 87–94.
- Butt, C. R. M. dan H. R. Zeegers. 1992. *Regolith Exploration Geochemistry in Tropical and Subtropical Terrains*. Amsterdam: Elsevier. 660 h.
- Cetin, E., dan P. A. Dowd. 2013. *Multi-mineral cut-off grade optimization by grid search*. Journal of the Southern African Institute of Mining and Metallurgy Vol. 113 (8). h. 659–665.
- Crundwell, F. K. 2008. *Finance for Engineers: Evaluation and Funding of Capital Projects*. London: Springer-Verlag London Limited. 622 h.
- Elias, M. 2002. *Nickel laterite deposits – geological overview, resources and exploitation*. Giant Ore Deposits: Characteristics, genesis and exploration, CODES Special Publication Vol. 4. h. 205–220.

- Gholamnejad, Javad. 2008. *Determination of the Optimum Cutoff Grade Considering Environmental Cost*. J. Int. Environmental Application & Science Vol. 3 (3). h. 186–94.
- Gleeson, S. A., C. R. M. Butt, dan M. Elias. 2003. *Nickel Laterites: A Review*. SEG Newsletter (Juli). h. 1, 12–18.
- Idrus, A., Titisari, A. D., Warmada, I. W., dan Setijadji, L. D. 2007. *Diktat Mata Kuliah Eksplorasi Sumberdaya Mineral*. Yogyakarta: Jurusan Teknik Geologi Universitas Gadjah Mada
- Kržanović, Daniel, Božo Kolonja, dan Dejan Stevanović. 2015. *Maximizing the net present value by applying an optimal cut-off grade for long-term planning of the copper open pits*. Acta Montanistica Slovaca Vol. 20 (1). h. 49–61.
- Lane, K. F.. 1964. *Choosing the Optimum Cut-Off Grade*. Quarterly of the Colorado School of Mines. h. 811–829.
- Lane, K. F.. 1988. *The economic definition of ore, cut-off grade in theory and practice*. 156 h.
- Li, Shouguo, dan Chang Yang. 2012. *An optimum algorithm for cut-off grade calculation using multistage stochastic programming*. Journal of Theoretical and Applied Information Technology Vol. 45 (1). h. 117–122.
- Minnitt, R. C. A.. 2004. *Cut-off grade determination for the maximum value of a small wits-type gold mining operation*. Journal of The South African Institute of Mining and Metallurgy Vol. 104 (5). h. 277–283.
- Myburgh, C. A., K. Deb, dan S. Craig. 2015. *Applying Modern Heuristics to Maximizing NPV through Cutoff grade Optimization*. 19 h.
- Osanloo, M., dan M. Ataei. 2003. *Using equivalent grade factors to find the optimum cut-off grades of multiple metal deposits*. Minerals Engineering Vol. 16 (8). h. 771–776.
- Osanloo, M., F. Rashidinejad, dan B. Rezai. 2008. *Incorporating environmental issues into optimum cut-off grades modeling at porphyry copper deposits*. Resources Policy Vol. 33 (4). h. 222–229.
- PERHAPI dan IAGI. 2011. Kode Pelaporan Hasil Eksplorasi, Sumberdaya Mineral, dan Cadangan Bijih Indonesia Komite Cadangan Mineral Indonesia - Kode KCMi 2017. PERHAPI. 70 h.
- Qing-hua, Gu, Bai Chun-ni, LI Fa-ben, dan John Abrand. 2014. *The Optimization and Application of Cut-off Grades of Multiple Metal Open-pit Mines Based on Equivalent Grade*. Metallurgical and Mining Industry Vol. 6. h. 83–91.
- Rahimi, Esmaeil, dan Hasan Ghasemzadeh. 2015. *A new algorithm to determine optimum cut-off grades considering technical, economical, environmental and social aspects*. Resources Policy Vol. 46. Elsevier. h. 51–63.
- Rahimi, Esmaeil, Kazem Oraee, Zia Aldin Shafahi Tonkaboni, dan Hasan Ghasemzadeh. 2014. *Considering environmental costs of copper production*

- in cut-off grades optimization*. Arabian Journal of Geosciences Vol. 8 (9): h. 7109–7123.
- Rashidinejad, F., M. Osanloo, dan B. Rezai. 2009. *Cutoff grades optimization with environmental management; a case study: Sungun copper project*. IUST International Journal of Engineering Science Vol. 19 (5). h. 1–13.
- Rendu, Jean-Michel. 2013. *An Introduction to Cut-Off Grade Estimation Cut-Off Grade Edisi Kedua*. Englewood, Colorado: Society for Mining, Metallurgy, and Exploration, Inc. 158 h. 67–85.
- Sasongko, W., A. Idrus, dan L. Lintjewas. 2013. *Kajian Kadar Batas Optimum (Optimum Cut-Off Grade) pada Penambangan Nikel Laterit dengan Penjualan dalam Bentuk Material Bijih Mentah*. Annual Engineering Seminar 2013. h. 89–92.
- Setianto, A. dan T. Triandini. 2013. *Comparison of Kriging and Inverse Distance Weighted (IDW) Interpolation Methods in Lineament Extraction and Analysis*. Journal of Southeast Asian Applied Geology Vol. 5 (1). h. 21–29.
- Setiawan, Eko Billy, dan Wahyu Sasongko. 2015. *Pemodelan kadar batas optimum endapan nikel laterit dengan penjualan dalam bentuk konsentrat dan memperhitungkan biaya pengupasan material penutup*. Proceeding Seminar Nasional Kebumihan ke-8. h. 854–864.
- Simanjuntak, T. O., E. Rusmana, J. B. Supandjono, dan A. Koswara. 1993. *Peta Geologi Lembar Bungku Skala 1:250.000*. Bandung: Pusat Penelitian dan Pengembangan Geologi.
- Simanjuntak, T. O., E. Rusmana, dan J. B. Supandjono. 1994. *Geologi Lembar Bungku Skala 1:250.000*. Bandung: Pusat Penelitian dan Pengembangan Geologi. 13 h.
- Soeria Atmadja, R., J. P. Golightly, dan B. N. Wahyu. 1974. *Mafic and Ultramafic Rock Association in The East Arc of Sulawesi*. Proceeding ITB Vol. 8 (2). Bandung. h. 67–85.
- Sompotan, A. F.. 2012. *Struktur Geologi Sulawesi*. Bandung: Institut Teknologi Bandung. 55 h.
- Syafrizal. 2011. *Karakterisasi Mineralogi Endapan Nikel Laterit di Daerah Tinanggea Kabupaten Konawe Selatan, Sulawesi Tenggara*. JTM Vol. XVIII (4). h. 211–219
- Thamsi, Alam Budiman. 2016. *Estimasi Cadangan Terukur Endapan Nikel Laterit Menggunakan Metode Inverse Distance pada PT Teknik Alum Service, Blok X*. Jurnal Geomine Vol. 4 (3). h. 128–30.
- Thompson, Matt, dan Drew Barr. 2014. *Cut-off grade: A real options analysis*. Resources Policy Vol. 42. h. 83–92.

- Wang, Qing, Xiaowei Gu, dan Daozhong Chu. 2008. *A dynamic optimization method for determining cutoff grades in underground mines*. Gospodarka Surowcami Mineralnymi Vol. 24. h. 133–142.
- Wicaksono, N. B. 2016. *Pemodelan dan Estimasi Sumberdaya Endapan Nikel Laterit dengan Metode Ordinary Kriging dan Sequential Gaussian Simulation pada IUP PT. X di Daerah Bahodopi, Kabupaten Morowali, Provinsi Sulawesi Tengah* (unpublished). Yogyakarta.