

DAFTAR PUSTAKA

- Armstrong, J. S., & Collopy, F. (1992). *Error measures for generalizing about forecasting methods: Empirical comparisons*.
- Auliana, S., Permana, B. R. S., & Aryono, G. D. P. (2024). *Comparative Analysis of Multiple – Linear Regression Algorithm with Random Forest Regression for Prediction of House Plot Prices*. Jurnal Ilmiah Global Education, 5(2), 1740–1750. <https://doi.org/10.55681/jige.v5i2.2794>
- Basuki, A., Sumanagara, D. A., & Sinambela, D. (1993). *Studi stratigrafi dan sedimentasi daerah Banten Selatan*. Jurnal Geologi Indonesia.
- Bhavikatti, S. S. (2005). *Finite Element Analysis* (2nd ed.). New Age International Pvt Ltd.
- Bieniawski, Z. T. (1989). *Engineering Rock Mass Classifications: A Complete Manual for Engineers and Geologists in Mining, Civil, and Petroleum Engineering* (1st ed.). John Wiley & Sons.
- Brady, B. H. G., & Brown, E. T. (2004). *Rock mechanics: For underground mining* (3rd ed). Kluwer Academic Publishers.
- Chen, J., Zhang, Z., & Chang, Q. (2025). *Stability Control of Underground Openings Under High-Stress and Deep Mining Environments*. Applied Sciences, 15(3), 1126. <https://doi.org/10.3390/app15031126>
- Cook, R. D., Malkus, D. S., & Plesha, M. E. (1989). *Concepts and Applications of Finite Element Analysis* (3rd ed.). John Wiley & Sons Ltd.
- Dwikasih, F. P., & Koesnaryo, S. (2020). *Pengaruh struktur ketidakmenerusan pada kestabilan lereng penggalian batuan*. Prosiding Seminar Teknologi, 443–450. <https://ejournal.itats.ac.id/semitan/article/view/1049>
- Effendi, M., Kusnama, & Sudjarmiko. (1998). *Peta Geologi Regional Daerah Gunung Pongkor dan Sekitarnya*. Direktorat Geologi, Departemen Energi dan Sumber Daya Mineral (ESDM).
- Green, S. B. (1991). *How Many Subjects Does It Take To Do A Regression Analysis*. Multivariate Behavioral Research, 26(3), 499–510. https://doi.org/10.1207/s15327906mbr2603_7
- Guggari, V. B., Kumar, H., & Budi, G. (2023). *Stability analysis of crown pillar under the zone of relaxation around sub-level open stopes using numerical modelling*. Geomatics, Natural Hazards and Risk, 14(1). <https://doi.org/10.1080/19475705.2023.2234072>
- Guggari, V. B., Kumar, H., & Budi, G. (2024). *Numerical analysis for assessing the effects of crown pillar thickness on ore dilution around the sub-level open stopes*. Ain Shams Engineering Journal, 15(1), 102301. <https://doi.org/10.1016/j.asej.2023.102301>

- Gujarati, D. N., & Porter, D. C. (2009). *Basic econometrics* (5th ed). McGraw-Hill Irwin.
- Hoek, E., & Brown, E. T. (2018). *The Hoek–Brown failure criterion and GSI – 2018 edition*. Journal of Rock Mechanics and Geotechnical Engineering, 11(3), 445–463. <https://doi.org/10.1016/j.jrmge.2018.08.001>
- Hoek, E., Carranza-Torres, C., & Corkum, B. (2002). *Hoek-Brown failure criterion – 2002 Edition*. Proceedings of the NARMS-TAC 2002 Conference, 1, 267–273.
- Hoek, E., & Karzulovic, A. (2000). *Rock mass properties for surface mines. Dalam Slope Stability in Surface Mining* (hlm. 2–22). Society for Mining, Metallurgical and Exploration (SME).
- Hosamo, H., & Mazzetto, S. (2024). *Performance Evaluation of Machine Learning Models for Predicting Energy Consumption and Occupant Dissatisfaction in Buildings*. Buildings, 15(1), 39. <https://doi.org/10.3390/buildings15010039>
- Hustrulid, W. A., & Bullock, R. C. (Ed.). (2001). *Underground mining methods: Engineering fundamentals and international case studies*. Society for Mining, Metallurgy, and Exploration.
- International Society for Rock Mechanics (ISRM). (1979). *Suggested Methods for Determining the Strength of Rock Materials in Triaxial Compression: Revised Version* (No. PII: 0148-9062(79)91451-7; hlm. 135–140). ISRM.
- Isworo, H., & Ansyah, P. R. (2018). *Metode elemen hingga HMKB654*. Fakultas Teknik, Universitas Lambung Mangkurat.
- Jierula, A., Wang, S., Oh, T.-M., & Wang, P. (2021). *Study on Accuracy Metrics for Evaluating the Predictions of Damage Locations in Deep Piles Using Artificial Neural Networks with Acoustic Emission Data*. Applied Sciences, 11(5), 2314. <https://doi.org/10.3390/app11052314>
- Jilo, N. Z., Assefa, S. M., & Assefa, E. (2024). *Numerical analysis of underground tunnel deformation: A case study of Midroc Lega-Dembi gold mine*. Scientific Reports, 14(1). <https://doi.org/10.1038/s41598-024-57621-x>
- Kaiser, P. K., McCreath, D. R., Brummer, R. K., Maloney, S., Vasak, P., & Xiaoping, Y. (1996). *Canadian rockburst support handbook*. Geomechanics Research Centre (MIRARCO).
- Karian, T., Shimada, H., Sasaoka, T., Wahyudi, S., Qian, D., & Sulistianto, B. (2016). *Countermeasure Method for Stope Instability in Crown Pillar Area of Cut and Fill Underground Mine*. International Journal of Geosciences, 07(03), 280–300. <https://doi.org/10.4236/ijg.2016.73022>
- Kulatilake, P. H. S. W. (2021). *3-D Rock Mass Strength Criteria—A Review of the Current Status*. Geotechnics, 1(1), 128–146. <https://doi.org/10.3390/geotechnics1010007>
- Kumar, H., Deb, D., & Chakravarty, D. (2017). *Design of crown pillar thickness using finite element method and multivariate regression analysis*.

- International Journal of Mining Science and Technology, 27(6), 955–964.
<https://doi.org/10.1016/j.ijmst.2017.06.017>
- Lewis, C. D. (1982). *Industrial and business forecasting methods: A practical guide to exponential smoothing and curve fitting* (3rd ed.). Butterworth Scientific.
- Li, C., Zhou, J., Armaghani, D. J., & Li, X. (2021). *Stability analysis of underground mine hard rock pillars via combination of finite difference methods, neural networks, and Monte Carlo simulation techniques*. *Underground Space*, 6(4), 379–395.
<https://doi.org/10.1016/j.undsp.2020.05.005>
- Li, M., Liu, J., & Yang, Y. (2023). *Financial Data Quality Evaluation Method Based on Multiple Linear Regression*. *Future Internet*, 15(10), 338.
<https://doi.org/10.3390/fi15100338>
- Logan, D. L. (2017). *A First Course in the Finite Element Method (Enhanced Edition)* (6th ed.). Cengage Learning.
- Małkowski, P., Ostrowski, L., & Brodny, J. (2018). *Analysis of Young's modulus for Carboniferous sedimentary rocks and its relationship with uniaxial compressive strength using different methods of modulus determination*. *Journal of Sustainable Mining*, 17(3), 145–157.
<https://doi.org/10.1016/j.jsm.2018.07.002>
- Marinos, V., Marinos, P., & Hoek, E. (2005). *The geological strength index: Applications and limitations*. *Bulletin of Engineering Geology and the Environment*, 64(1), 55–65. <https://doi.org/10.1007/s10064-004-0270-5>
- Mehra, A., & Budi, G. (2024). *3D Modelling approach to identify parametric configurations for pillar stability in underground metal mine: A case study*. *Geomatics, Natural Hazards and Risk*, 15(1).
<https://doi.org/10.1080/19475705.2024.2367630>
- Priest, S. D., & Hudson, J. A. (1976). *Discontinuity Spacings in Rock*. *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, 13, 135–148.
- PT Antam (Persero) Tbk. (2001). *Draft geologi proyek tambang emas Pongkor*. Bogor: Departemen Geologi dan Mineral PT Antam Tbk UBPE Pongkor.
- Rocscience Inc. (t.t.). *RS2 Documentation | Mesh Overview*. Rocscience Help – RS2 Documentation. Diambil 28 Juli 2025, dari <https://www.rocscience.com/help/rs2/documentation/rs2-model/mesh-2/mesh-overview>
- Shapiro, S. S., & Wilk, M. B. (1965). *An Analysis of Variance Test for Normality (Complete Samples)*. *Biometrika*, 52(3), 591–611.
- Sudhakar, K., Sinha, R. K., & Naik, S. R. (2023). *Study on the Impact of Different Parameters on Prediction of Crown Deformations in Underground Caverns*. *Sustainability*, 15(17), 12851. <https://doi.org/10.3390/su151712851>
- Suharsimi, A. (2006). *Prosedur penelitian suatu pendekatan praktik*. Jakarta: rineka cipta, 134, 252.

- Tjong, W. F. (2021). *Pengantar Metode Elemen Hingga untuk Analisis Struktur: Teori, Perumusan, Implementasi Komputer, dan Aplikasi*. Program Studi Teknik Sipil, Universitas Kristen Petra.
- Van Bemmelen, R. W. (1949). *The Geology of Indonesia: Vol. IA* (First edition). Government Printing Office; HathiTrust Digital Library. <https://catalog.hathitrust.org/Record/000441957>
- Wang, H., Sun, B., Cao, C., Yu, S., Wang, H., Yuan, Y., & Zhong, H. (2024). *A comprehensive study on in situ stress field characteristics and changes in rock mechanical properties in deep mines in northeastern Yunnan, China*. *Deep Underground Science and Engineering*, 4(2), 241–254. <https://doi.org/10.1002/dug2.12124>
- Wines, D. R., & Lilly, P. A. (2002). *Measurement and analysis of rock mass discontinuity spacing and frequency in part of the Fimiston Open Pit operation in Kalgoorlie, Western Australia: A case study*. *International Journal of Rock Mechanics and Mining Sciences*, 39(5), 589–602. [https://doi.org/10.1016/s1365-1609\(02\)00003-5](https://doi.org/10.1016/s1365-1609(02)00003-5)
- Wu, J.-H., Ohnishi, Y., & Nishiyama, S. (2004). *Simulation of the mechanical behavior of inclined jointed rock masses during tunnel construction using Discontinuous Deformation Analysis (DDA)*. *International Journal of Rock Mechanics and Mining Sciences*, 41(5), 731–743. <https://doi.org/10.1016/j.ijrmms.2004.01.010>
- Xu, H., Apel, D. B., Wang, J., Wei, C., & Skrzypkowski, K. (2022). *Investigation and Stability Assessment of Three Sill Pillar Recovery Schemes in a Hard Rock Mine*. *Energies*, 15(10), 3797. <https://doi.org/10.3390/en15103797>
- Zhang, Q., Liu, Y., He, G., Chen, Q., Ou, X., & Tian, J. (2023). *Study on the Effects of Different Water Content Rates on the Strength and Brittle Plasticity of Limestone*. *Applied Sciences*, 13(8), 4685. <https://doi.org/10.3390/app13084685>
- Zienkiewicz, O. C., & Taylor, R. L. (2000). *The finite element method* (5th ed., Vol. 1). Butterworth-Heinemann.
- Zienkiewicz, O. C., Taylor, R. L., & Zhu, J. (2005). *The finite element method: Its basis and fundamentals* (6. ed., reprint., transferred to digital print). Elsevier.