

DAFTAR PUSTAKA

- Abramson, L. W., Lee, S. S., & Boyce, G. M. 2002. *Slope Stability and Stabilization Methods*. John Willey & Sons
- Arif I. 2016. *Geoteknik Tambang*. PT Gramedia Pustaka Utama.
- ASTM (American Society for Testing and Material) D 2216-98. 2014. *Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by mass*: West Conshohocken, ASTM International
- ASTM (American Society for Testing and Material) D 854 – 02. (n.d.). *Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer* 1. US.
- Barton, N., Lien, R., & Lunde, J., 1974. Engineering Classification of Rock Masses for the Design of Tunnel Support: *Rock Mechanics and Rock Engineering*, Springer-Verlag, Vol 6, p. 189-236.
- Barton, N. 2002. Some New Q-Value Correlations to Assist in Site Characterization and Tunnel Design: *International Journal of Rock Mechanics and Mining Sciences* Volume 39, p. 185 - 216.
- Basahel, H., & Mitri, H. 2017. *Application of rock mass classification systems to rock slope stability assessment: A case study*. *Journal of Rock Mechanics and Geotechnical Engineering*, 9(6), 993–1009.
<https://doi.org/10.1016/j.jrmge.2017.07.007>
- BBWS Brantas. 2014. *SID Bendungan Bagong Kabupaten Trenggalek termasuk Model Test*. Surabaya.
- BBWS Brantas. 2020. *Survey Investigasi Bendungan Bagong Kabupaten Trenggalek*. Surabaya.
- BBWS Brantas. 2022. *Survey Investigasi Tambahan Geologi Bendungan Bagong di Kabupaten Trenggalek*. Surabaya.
- Bieniawski, Z.T. 1989. *Engineering Rock Mass Clasifications*. John Wiley and Sons.
- BSN. 2008. SNI (Standar Nasional Indonesia) 1965: *Cara Uji Penentuan Kadar Air untuk Tanah dan Batuan di Laboratorium*. Jakarta.
- BSN. 2017. SNI (Standar Nasional Indonesia) 8460: *Persyaratan Perancangan Geoteknik*. Jakarta.
- Deere, 1968. *Geological Consideration, Rock Mechanics in Engineering Practice*, Wiley, New York, 250 p.
- Deere, D.U. 1989. *Rock Quality Designation (RQD) After Twenty Years*. U.S. Army Corps of Engineers, Technical Report GL-89-1, Washington, D.C.

- Duncan, J. M. 1996. State of the Art Limit Equilibrium and Finite-Element Analysis of Slopes. In Journal of Geotechnical Engineering (122nd ed., pp. 577–596). American Society of Civil Engineers.
- Dunham, R. J. 1962. Classification of carbonate rocks according to depositional textures.
- Fatkhiadari I, 2020. *Analisis Kestabilan Dan Sistem Penyangga Terowongan Saluran Pengelak Bendungan Bagong Kabupaten Trenggalek*. Yogyakarta UGM
- Google Earth. 2025. “Bendungan Bagong”. *Google*. Accessed January 20, 2025. https://earth.google.com/web/search/bendungan+bagong/@-7.99921139,111.6929092,310.85711709a,1441.99675464d,35y,0h,0t,0r/data=CiwiJgokCcfJb8OeTBfAEU4QFhsHRB3AGelbutXYJVtAIXhlC5QzW1pAQgIIAToDCgEwQgIIAEoNCP_____wEQAA
- Grabau, A. W. 1904. On the Classification of Sedimentary Rocks.
- Hardiyatmo, H. C. 2002. *Mekanika Tanah II*. Gajah Mada University Press.
- Hardiyatmo, H.C. 2012. Tanah Longsor dan Erosi: Kejadian dan Penanganannya. Yogyakarta.: Gadjah Mada University Press.
- Hartono, U., Baharuddin., Brata.K. 1992. *Peta Geologi Regional Lembar Madiun*. Pusat Penelitian dan Pengembangan Geologi.
- Hartono, U., Baharuddin., Brata.K. 1992. *Peta Geologi Regional Lembar Tulungagung*. Pusat Penelitian dan Pengembangan Geologi
- Hoek, E., & Brown, E.T. 1997. Practical estimates of rock mass strength. International Journal of Rock Mechanics and Mining Sciences, 34(8), 1165-1186
- Hoek, E., & Brown, E.T. 1997. The Hoek-Brown Failure Criterion and GSI. International Journal of Rock Mechanics and Mining Sciences, 34(8), 1165-1186.
- Hoek. E & P. Marinos. 2007. *A Brief History of the Development of the Hoek-Brown Failure Criterion*. Soils and Rocks.
- Hoek, E., Carter, T.G., Diederichs, M.S. 2013. *Quantification of the Geological Strength Index Chart*. Geomechanic Symposium. USA.
- Japan Society Civil Engineering. 2007. *Standard Specifications for Tunneling-2006: Mountain Tunnels*. Japan.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. 2021. Pedoman Penyelidikan Geologi Teknik dalam Pembangunan Terowongan Jalan. Direktorat Jenderal Bina Marga, Jakarta, Indonesia.
- Kramer, S. L. 1996. *Geotechnical Earthquake Engineering*. New Jersey: Prentice Hall.

- Marinos, P., V. Marinos, E. Hoek. 2007. *The Geological Strength Index (GSI): A Characterization Tool For Assessing Engineering Properties For Rock Masses*, Proceedings of the International Workshop on Rock Mass Classification in Underground. Pittsburg: National Institute for Occupational Safety and Health, p. 87 – 94.
- Nahrowi T.Y., Suratman, Namida, dan Hidayat, S. 1978. *Geologi Pegunungan Selatan Jawa Timur*. Bandung: PIT IAGI
- Nugroho, W. K. 2020. Evaluasi Kondisi Geologi Teknik dan Analisis Kestabilan Terowongan Pengelak Bendungan Pamukkulu Provinsi Sulawesi Selatan. Universitas Gadjah Mada.
- Palmstrom, A., Broch, E. 2006. Use and misuse of rock mass classification systems with particular reference to the *Q*-system: Tunnels and Underground Space Technology Volume 21, p. 575-593.
- Pettijohn, F. J. 1954. Classification of sandstones. *The Journal of Geology*, 62(4), 360-365.
- Pramono, R. 2021. Numerical evaluation of support design: A case study Jakarta – Bandung, Indonesia High-Speed Railway Tunnel 7. ISCEE 2021.
- Pusat Studi Gempa Nasional. 2017. *Peta Sumber Bahaya da Gempa Indonesia*. Jakarta. Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Pulunggono, A. dan Martodjojo. 1994. *Perubahan Tektonik Paleogen-Neogen di Jawa*. In: Proc. Seminar Geologi dan Geotektonik Pulau Jawa. Yogyakarta.: Geol. Dept. Gadjah Mada University.
- Rai, M. A., Kramadibrata, S., & Wattimena, R. K. 2014. Mekanika batuan. In Bandung: Penerbit ITB (pp. 19–20).
- Sinha, R. S. 1989. *Underground structures: design and construction*. In *Underground structures: design and construction*.
- Sheorey, P. R. 1994. *A theory for in situ stresses in isotropic and transverseley isotropic rock*. In *International journal of rock mechanics and mining sciences & geomechanics abstracts* (Vol. 31, No. 1, pp. 23-34). Pergamon.
- Sribudiyani, E., Graha, C., Husein, S., Sidi, F. H., & Permana, H. 2003. *The Collision of The East Java Microplate and Its Implication for Hydrocarbon Occurrences in the East Java Basin*. Proceedings of the Indonesian Petroleum Association, 29th Annual Convention and Exhibition, p. 85-97.

- Streckeisen, A. 1979. Classification and nomenclature of volcanic rocks, lamprophyres, carbonatites, and melilitic rocks: Recommendations and suggestions of the IUGS Subcommittee on the Systematics of Igneous Rocks. *Geology*, 7(7), 331-335.
- Sunarwan, B. 2010. *Daerah Alterasi Pada Sistem Vein-Epithermal Studi Kasus: Daerah Sengon dan sekitarnya, Kec.Tugu, Kab. Trenggalek Jawa Timur*. Jurnal Pakuan Bidang Keteknikan. Vol. 1 no.17.
- Suhendro, B. 2000. *Metode Elemen Hingga dan Aplikasinya*. Beta Offset. Yogyakarta.
- Syarief, A. 2016. *Pemanfaatan Teknologi Informasi Geospasial: Pemetaan Potensi Nagari dalam Perencanaan Pembangunan Wilayah Pedesaan (Studi Khusus Nagari Simarosok Kecamatan Baso Kabupaten Agam)*. UNP
- van Bemmelen, R.W. 1949. *The Geology of Indonesia Vol. IA General Geology of Indonesia and Adjacent Archipelago*. Government Printing Office.
- Van Zuidam, R.A., & Van Zuidam-Cancelado, F.I. 1979. *Terrain Analysis and Classification Using Aerial Photographs: A Geomorphological Approach*. International Institute for Aerial Survey and Earth Sciences (ITC), Enschede, The Netherlands
- Wic. 2006. East Java province, Indonesia. id.wp Wic2020 Accessed January 20, 2025 https://commons.wikimedia.org/wiki/File:East_Java_province.png
- Widjaja, B. 2004. Analisis Batas Untuk Kestabilan Lereng. *Jurnal Teknik Sipil*, Vol. 1, No. 1: Bandung, Universitas Katolik Parahyangan.
- Wyllie, D. C., & Mah, C. W. 2017. *Rock slope engineering: Civil and mining*, 4th edition. *Rock Slope Engineering: Fourth Edition*, 1–432. <https://doi.org/10.1201/9781315274980>