

## DAFTAR PUSTAKA

- Amalfi, Omang; Baheramsyah;. (2012). *Peta Kawasan Rawan Bencana Gempabumi Nusa Tenggara Barat*. Pusat Vulkanologi dan Mitigasi Bencana Geologi, Badan Geologi.
- ASTM D 5731-02. (2007). *Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications I*. p. 1–11, [www.astm.org](http://www.astm.org).
- Audley-Charles, M. (2011). Tectonic Post-Collision Processes in Timor. *Geological Society Special Publication*, Vol. 355, h. 241–266.
- Azeze, A. (2022). Comparison of General Limit Equilibrium Methods for Slope Stability Analysis. *Ethiopian Journal of Natural and Computational Sciences*, v. 2, p. 271–290. DOI:10.13140/RG.2.2.17083.44324.
- Badan Standardisasi Nasional. (2017). *SNI 8460-2017: Persyaratan Perancangan Geoteknik*. Badan Standardisasi Nasional, [www.bsn.go.id](http://www.bsn.go.id).
- Bieniawski, Z. (1989). *Engineering Rock Mass Classifications: A Complete Manual for Engineers and Geologists in Mining, Civil, and Petroleum Engineering*. Canada: John Wiley & Sons, Inc, v. I, 1–250 p.
- BPBD Provinsi Nusa Tenggara Barat. (2025, Mei). *Sistem Informasi Kebencanaan NTB*. Retrieved from <https://siaga.ntbprov.go.id/>
- Brahmantyo, B., & Bandonu. (2006). Klasifikasi Bentuk Muka Bumi (Landform) untuk Pemetaan Geomorfologi pada Skala 1:25.000 dan Aplikasinya untuk Penataan Ruang. *Jurnal Geoaplika*, v. 1, p. 71–78.
- Cook, E. (1965). *Stratigraphy of Tertiary volcanic rocks in eastern Nevada (Report No. 11)*. Nevada Bureau of Mines.
- Deere, D., & Deere, D. (1989). *Rock Quality Designation (RQD) After Twenty Year*. Washington DC: U.S Department of Commerce National Technical Information Service (NTIS).
- Deere, D., & Miller, R. (1966). *Engineering Classification and Index Properties for Intact Rock*. New Mexico.
- Direktorat Jenderal Bina Marga. (2021). *Pedoman Penyelidikan Geologi Teknik dalam Pembangunan Terowongan Jalan No.10 Tahun 2021*. Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Faizah, N., & Buchori, I. (2019). Model Pemetaan Resiko Kekeringan di Kabupaten Bima, Nusa Tenggara Barat. *Jurnal Pembangunan Wilayah dan Kota*, Mei; 15(No. 2): p. 138-150. Doi: <https://doi.org/10.14710/pwk.v15i2.19621>.
- Federal Highway Administration (FHWA). (2009). *Technical Manual for Design and Construction of Road Tunnel - Civil Elements*. Washington DC: National Highway Institute.
- Firincioglu, B., & Ercanoglu, M. (2021). *Insights and perspectives into the limit equilibrium method from 2D and 3D analyses*. *Engineering Geology*, v.281.

- Fisher, R. (1966). Rocks composed of volcanic fragments and their classification. *Earth-Science Reviews*, 1, 287-298.
- Garwin, S. (2000). *The Setting, Geometry and Timing of Intrusion - Related Hydrothermal Systems in the Vicinity of The Batu Hijau Porphyry Copper-Gold Deposit, Sumbawa, Indonesia*. Nedlands: University of Western Australia.
- Gillespie, M., & Styles, M. (1999). *BGS Rock Classification Scheme Volume 1 Classification of igneous rocks*. Nottingham: British Geological Survey Research Report. v. 1, 1–52 p.
- Hamilton, W. (1979). *Tectonics of The Indonesian Region*. Washington: United States Government Printing Office.
- Hanif, A., & Silviana, S. (2023). Kajian Geologi Dalam Perencanaan Bendungan: Studi Kasus Bendungan Kerekeh. *Jurnal Profesi Insinyur Indonesia*, JPII Vol 1 (3) 79-87.
- Hardiyatmo, H. (2005). *Mekanika Tanah 1*. Yogyakarta: Gadjah Mada University Press.
- Harris, R. (2011). *The Nature of The Banda Arc - Continent Collision in The Timor Region*. Heidelberg: Springer Verlag Berlin.
- Hencher, S. (2012). *Practical Engineering Geology*. New York: Spon Press, 1–450 p.
- Hoek, E. (2006). *Practical Rock Engineering*. North Vancouver, BC, Canada: Evert Hoek Consulting Engineer Inc.
- Hoek, E., Carranza-Torres, C., & Corkum, B. (2002). Hoek-Brown criterion – 2002 edition. *Proc. NARMS-TAC Conference*, (pp. v. 1, p. 267–273).
- Indrawan, I., Sunardi, Murti, A., & Alfrianto, R. (2024). Comparison of stability analysis methods for safe design of volcanic rock slope. *Journal of Degraded and Mining Lands Management*, v. 12, p. 6651–6664.
- International Society For Rock Mechanics. (1978). Suggested Methods For The Quantitative Description of Discontinuities In Rock Masses. *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, v. 15, p. 319–368.
- Katili, J. (1973). *An outline of the geology of Indonesia*. Jakarta: Direktorat Geologi.
- Kementerian ESDM. (2009). *Peta Zona Kerentanan Gerakan Tanah Provinsi Nusa Tenggara Barat*. Bandung: Pusat Vulkanologi dan Mitigasi Bencana Gempa Bumi, Badan Geologi.
- Kementerian ESDM. (2017). *Peraturan Menteri ESDM Republik Indonesia Nomor 2 Tahun 2017 tentang Cekungan Air Tanah di Indonesia*. Kementerian Energi dan Sumber Daya Mineral.
- Kumar, R., Vasudevan, C., Sharma, G., & Lalitha, O. (2014). Guidelines for selection of tunnels and tunneling methods. *Journal of Engineering Geology A bi-annual journal of ISEG*, v. XXXIX, p. 177–187.
- Luden, A., Indrawan, I., & Karnawati, D. (2021). Slope Stability Analyses by Circular Failure Chart and Limit Equilibrium Methods: The Inlet and Outlet of Diversion Tunnel of Bolango Ulu Dam, Indonesia. *EDP Sciences*, v. 325.

- Marinos, P., & Hoek, E. (2000). GSI: A Geologically Friendly Tool For Rock Mass Strength Estimation. *Proceeding of the GeoEng 2000 at the International Conference on Geotechnical and Geological Engineering*, (pp. 1442–1446 p). Melbourne.
- Mount, J. (1985). Mixed siliciclastic and carbonate sediments: A proposed first-order textural and compositional classification. *Sedimentology*, 32(3), 435–442, <https://doi.org/10.1111/j.1365-3091.1985.tb00522.x>.
- Pettijohn, F. (1975). *Sedimentary Rocks (3rd ed.)*. New York: Harper and Row Publishers. 628 p.
- Price, D. (2009). *Engineering Geology : Principles and Practice (Dr. M. H. de Freitas, Ed.* London: Springer, 1–450 p.
- Priest, S., & Hudson, J. (1976). Discontinuity spacings in rock. *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, v. 13, p. 135–148, doi:10.1016/0148-9062(76)90818-4.
- PT Indra Karya (Persero). (2020). *Laporan Akhir Pekerjaan Sertifikasi Desain Bendungan Krekeh di Kabupaten Sumbawa*.
- PT. Indra Karya (Persero). (2020). *Laporan Geologi dan Mekanika Tanah Pekerjaan Sertifikasi Desain Bendungan Krekeh di Kabupaten Sumbawa*.
- Purboyo, A., Arifin, H., Wijaya, A., Widodo, A., Isnandar, Saptono, S., Wardhana, B. (2018). *Best Practice Penyelenggaraan Terowongan Jalan dan Underpass*. Jakarta: Direktorat Jembatan, Direktorat Jenderal Bina Marga, Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Pusat Studi Gempa Nasional. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017*. Bandung: Pusat Penelitian dan Pengembangan Perumahan dan Permukiman, Badan Penelitian dan Pengembangan Kementerian Pekerjaan Umum dan Perumahan Rakyat, v. I, 1–400 p.
- Singh, B., & Goel, R. (2011). *Engineering Rock Mass Classification*. Elsevier Inc, 364 p.
- Streckeisen, A. (1978). *Classification and nomenclature of volcanic rocks, lamprophyres, carbonatites, and melilitic rocks*. Neues Jahrbuch für Mineralogie Abhandlungen, 134, 1-14.
- Sudradjat, A., Mangga, S., & Suwarna, N. (1998). *Peta Geologi Lembar Sumbawa, Nusa Tenggara Skala 1 : 250.000*. Pusat Penelitian dan Pengembangan Geologi.
- Van Bemmelen, R. (1949). *The Geology of Indonesia Vol. I A General Geology of Indonesia and Adjacent Archipelagoes*. The Hague: Government Printing Office, v. I A, 1–766 p.
- van Zuidam, R. (1983). *Guide to Geomorphologic-Aerial Photographic Interpretation and Mapping*. Enschede, Netherland: ITC.
- Verstappen, H. (1983). *Applied Geomorphology: Geomorphological Surveys for Environmental Development*. Amsterdam: Elsevier.
- Wyllie, D., & Mah, C. (2004). *Rock Slope Engineering: Civil and Mining, 4th Edition*. New York: Spon Press, 1–431 p.