

DAFTAR PUSTAKA

- B.Reilly, S. et al., 2020. New Island Recods for Anurans and Squamates from the Lesser Sunda Archipelago. *Herpetological Review*, 51(4), p. 785-789.
- Badan Informasi Geospasial, 2021. Peta Digital Elevation Model : INAGEOPORTAL Geospasial untuk Negeri. Skala 1:25.000 .
<https://tanahair.indonesia.go.id/demnas/#/demnas> (accessed 29 November 2022).
- Badan Standardisasi Nasional, 2017. SNI 8460:2017 Persyaratan perancangan geoteknik, Jakarta: BSN.
- Bemmelen, R. V., 1949. The Geology of Indonesia Vol. 1A General Geologu of Indonesia and Adjecent Archipelagoes, The Houge: Government Printing Office.
- Bieniawski, Z., 1995. Classification of Rock Masses for Engineering : The RMR System and Future Trends. Dalam: Rock Testing and Site Characterization Vol. 3. Pergamon: Elsevier Ltd. p. 553-573. <https://doi.org/10.1016/B978-0-08-042066-0.50028-8>.
- Billings, P. M., 1946. Structural Geology. 2nd Edition penyunt. New York: Prentice-hall Inc.
- Bishop, A. W., 1954. The Use of The Slip Circle In The Stability Analysis of Slopes. First Technical Session : General Theory of Stability of Slopes, 21 September, pp. 7-17.
- Brahmantyo, B. & Bandonu, 2006. Klasifikasi Bentuk Muka Bumi (Landform) untuk Pemetaan Geomorfologi pada Skala 1:25.000 dan Aplikasinya untuk Penataan Ruang. *Jurnal Geoaplika*, 1(2), pp. 71-78.
- Comanici, A. M. & Barsanescu, P. D., 2018. Modification of Mohr's criterion in order to consider the effect of. *International Jurnal of Plasticity*, 108(1), p. 40-54.
- Darman, H., 2012. Seismic Expression of Tectonic Features in the Lesser Sunda Islands, Indonesia. *Berita Sedimentologi Indonesian Journal of Sedimentary Geology*, 25(1), p. 16-25.
- Dearman, W., 1991. Principles of engineering geological mapping. Dalam: W. Dearman, penyunt. *Engineering Geological Mapping*. Butterworth-Heinemann: ISBN 9780750610100, p. 12-18.
- Direktorat Jenderal Bina Marga, 2021. Surat Edaran No.17/SE/Db/2021 Pedoman Penyelidikan Geologi Teknik Dalam Pembangunan Terowongan Jalan, Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Geo-Slope International Ltd, 2012. Stability Modeling with Slope/W, Calgary: Geo-Slope International Ltd.
- Ghelue, P. V. & Molle, M. V., 1990. Geomorphological Mapping As A Tool In The Delineation of Erosion Risk Zones in The Rio Guadalhorce Catchment (Spain). *Soil Technology*, Volume 3, p. 327 - 342.
- Gill, R., 2010. *Igneous Rocks and Processes a practical guide*. 1st penyunt. Chichester: Wiley-Blackwell, A John & Sons, Ltd, Publication.

- Hashemi, M. & Moghaddas, S., 2010. Application of Rock Mass Characterization for Determining the Mechanical Properties of Rock Mass : a Comparative Study. *Rock Mechanics and Rock Engineering*, 43(3), pp. 305-320.
- Hoek, E. & Bray, J. D., 1981. *Rock Slope Engineering*. 3rd penyunt. New York: CRC Press.
- Hoek, E. & Brown, E., 1997. Practical Estimates of Rock Mass Strength. *International Journal of Rock Mechanics and Mining Sciences*, 34(8), pp. 1165-1186.
- Hoek, E. & Brown, E., 2018. The Hoek-Brown failure criterion and GSI - 2018 Edition. *Journal of Rock Mechanics and Geotechnical Engineering*, pp. 1-19 <https://doi.org/10.1016/j.jrmge.2018.08.001>.
- Hoek, E. & Carter, T. D. M., 2013. Quantification of The Geological Strength Index Chart. San Fransisco, CA, USA, ARMA 13-672.
- Huang, Y. H., 2014. *Slope Stability Analysis by the Limit Equilibrium Method: Fundamentals and Methods*. 1st penyunt. Lexington: ASCE Press.
- ISRM, 1978. *Suggested Methods for The Quantitative Description of Discontinuities in Rock Masses*. Lisbon: International Society for Rock Mechanics (ISRM).
- Japan International Cooperation Agency, 2018. *Guideline on Site Investigation for Rock Mass Classification System in Sri Lanka*. s.l.:Japan International Cooperation Agency (JICA).
- Kaliakin, V. N., 2017. *Soil Mechanics Calculations Principles And Methods*. Butterworth-Heinemann: Elsevier.Inc <https://doi.org/10.1016/B978-0-12-804491-9.00002-1>.
- Kathriner, A. et al., 2014. Hiding in plain sight : a new species of bent-toed gecko (Squamata : Gekkonidae : Crytodactylus) from West Timor, collected by Malcom Smith in 1924. *Zootaxa* 3900, Volume 4, p. 555-568.
- Kementerian Pariwisata dan Ekonomi Kreatif, 2021. *Katalog Wisata Tangguh Bencana Provinsi Nusa Tenggara Barat*, Jakarta Pusat: Kementerian Pariwisata dan Ekonomi Kreatif Republik Indonesia/Badan Pariwisata dan Ekonomi Kreatif Republik Indonesia.
- Kementerian Pekerjaan Umum, 2012. *Peta Infrastruktur Pulau Sumbawa*, Jakarta: Pusdata Kementerian Pekerjaan Umum.
- Labuz, J. F. & Zang, A., 2012. Mohr-Coloumb Failure Criterion. *Rock Mech Rock Eng*, 45(1), p. 975-979.
- Maghfury, T. I., 2020. *Analisis X-Ray Diffraction (XRD) pada Brazing Aluminium Seri 1000 Stainless Steel Seri 3014 dengan Penambahan Serbuk Tembaga*, Surakarta: Universitas Muhammadiyah Surakarta.
- Mardianto, F., 2020. *Analisis Stabilitas Penggalian Terowongan Saluran Pengelak Bendungan Matenggeng, Cilacap, Jawa Tengah*, Yogyakarta: Universitas Gadjah Mada.
- Marinos, P. & Hoek, E., 2000. GSI: a geologically friendly tool for rock mass strength estimation. *the International Conference on Geotechnical and Geological Engineering*, Volume GeoEng 2000, Melbourne, Technomic Publishers, Lancaster, p. 1422–1446.

- Marinos, V., P.Marinos & E.Hoek, 2005. The Geological Strength Index : Application and Limitation. s.l., s.n., p. 55-65.
- Martin, R. & Hencher, S., 1986. Principles for Description and Classification of Weathered Rock for Engineering Purposes. Engineering Geology Special Publications, 2(1), pp. 299-308.
- Morales, T., Uribe-Extebarria, G., Uriarte, J. A. & Valderrama, I. F. d., 2004. Geomechanical characterisation of rock masses in Alpine regions: the Basque Arc (Basque-Cantabrian basin, Northern Spain). Engineering Geology, 71(3-4), p. 343-362.
- Morgenstern, N. & Price, V., 1965. The Analysis of Stability of General Slip Surfaces. Geotechnique, Volume 15, pp. 79-93.
- NGI, 2015. Handbook Using the Q-system Rock Mass Classification and Support Design. Oslo: Alkopi AS.
- Nugroho, S. A., Putra, A. I. & Ermina, R., 2012. Korelasi Parameter Kuat Geser Tanah Hasil Pengujian Triaksial dan Unconfined Compression Strength (UCS). Jurnal Sains dan Teknologi, 11(1), pp. 1-10.
- Palmstorm, A. & Bronch, E., 2006. Use and Misuse of Rock Mass Classification Systems With Particular Reference to the Q-system. Tunnels and Underground Space Technology , 21(1), pp. 575-593.
- Palmstrom, A., 2009. Combining The RMR, Q, and RMi Classification Systems. Tunnelling and Underground Space Technology, 24(4), p. 491-492.
- PT Indra Karya, 2022. Geologi Terowongan Irigasi DI Bintang Bano, Sumbawa Barat, Mataram: Balai Wilayah Sungai Nusa Tenggara 1.
- PT Nindya Karya, 2023. Peta Topografi, Taliwang: PT Nindya Karya, skala 1:4000, 1 lembar
- Pusat Litbang Perumahan dan Permukiman, Kementerian PUPR, 2017. Peta Sumber dan Bahaya Gempa Indonesia 2017, Bandung: Pusat Penelitian Pengembangan Perumahan dan Permukiman, Badan Penelitian dan Pengembangan, Kementerian PUPR.
- Rahadian, M. Z., 2018. Pengaruh Alterasi Hidrotermal Terhadap Sifat Keteknikan Batuan dan Analisis Kestabilan Lereng Tumpuan Bendungan Bintang Bano, Kabupaten Sumbawa Barat, Nusa Tenggara Barat, Yogyakarta: Universitas Gadjah Mada.
- Renpu, W., 2011. Basis of Well Completion Engineering. Dalam: W. Renpu, penyunt. Advanced Well Completion Engineering. Waltham: Gulf Professional Publishing, p. 1-74.
- Roy, S. & Bhalla, S. K., 2017. Role of Geotechnical Properties of Soil on Civil Engineering Structures. Resources and Environment, 7(4), p. 103-109.
- Sadeghi, S., teshnizi, E. S. & Ghoreishi, B., 2020. Correlations between various rock mass classification / characterization systems for the Zagros tunnel-W Iran. Journal of Mountain Science, Volume 17, p. 1790 - 1806.
- Sayao, A., 2004. Soil Slope Stability. Dalam: Handbook of Slope Stabilisation. Berlin, Heidelberg. p. 89-108. doi.org/10.1007/978-3-662-07680-4_6.

- Setiarini, D. W., 2023. Evaluasi Kondisi Geologi Teknik dan Analisis Sistem Penyangga Terowongan-1 Proyek Pembangunan Daerah Irigasi Bintang Bano Kabupaten Sumbawa Barat, Nusa Tenggara Barat, Yogyakarta: Universitas Gadjah Mada.
- Singh, B. & Goel, R., 2011. Engineering Rock Mass Classification. Butterworth: Elsevier Inc. <https://doi.org/10.1016/C2010-0-64994-7>.
- Singh, J. L. & Tamrakar, N. K., 2013. Rock Mass Rating and Geological Strength Index of rock masses of Thopal-Malekhu River Areas, Central Nepal Lesser Himalaya. Bulletin of the Departement of Geology, Volume 16, p. 29-42.
- Subiyantoro, A., 2018. Evaluasi Kondisi Geologi Teknik dan Analisis Kestabilan Tubuh Bendungan Bintang Bano, Kabupaten Sumbawa Barat, Provinsi Nusa Tenggara Barat, Yogyakarta: Universitas Gadjah Mada.
- Sudrajat, A., Mangga, S. A. & N.Suwarna, 2012. Peta Feologi Regional Lembar Sumbawa : Badan Geologi Kementerian Energi dan Sumber Daya Mineral, skala 1:250.000.<https://geologi.esdm.go.id/geomap/pages/preview/peta-geologi-lembar-sumbawa-nusatenggara> (accessed 13 November 2022)
- Tsiambaos, G. & Saroglou, H., 2010. Excavatability assessment of rock masses using the Geological. Bull Eng Geol Environ, 69(1), p. 13-27.
- Ulusay, R., 2015. The ISRM Suggested Methods for Rock Characterization, Testing and Monitoring 2007-2014, Switzerland: Springer International Publishing.
- Van Zuidam, R. A., 1983. Guide to Geomorphologic Aerial Photographic Interpretation and Mapping. s.l.:ITC, Enschede, Netherland.
- Wang, I.-T., 2019. Safety Assessment of Tunnel Portals for Site Selection. Infrastructures, p. 70.
- Wang, J. & Ji, H., 2013. Analysis of Rock Slope Stability on the Basis of Limit Equilibrium Method. Advanced Material Research, Volume 711, p. 333-337.
- Wylie, D. C. & Mah, C. W., 2005. Rock Slope Engineering Civil and Mining. 4th Edition penyunt. London and New York: Taylor and Francis e-Library.
- Wyllie, D. C., 2018. Rock Slope Engineering Civil Applications. 5th penyunt. Boca Raton: Taylor & Francis Group.
- Zhang, L., 2017. Rock Masses. Dalam: Engineering Properties of Rocks (Second Edition). Arizona: Elsevier.Ltd. <https://doi.org/10.1016/B978-0-12-802833-9.09992-2>, p. 137-171.