

DAFTAR PUSTAKA

- ASTM. (2003). *Standard Test Method for Determination of the Point Load Strength Index of Rock 1*.
- Abramson, L. W., Lee, S. S., & Boyce, G. M. (2002). *Slope Stability and Stabilization Methods*. John Willey & Sons
- Badan Standardisasi Nasional. (2008a). *SNI 1964:2008: Cara Uji Berat Jenis Tanah*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2008b). *SNI 1965:2008: Cara Uji Penentuan Kadar Air untuk Tanah dan Batuan di Laboratorium*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2008c). *SNI 2813:2008: Cara Uji Kuat Geser Langsung Tanah Terkonsolidasi dan Terdrainase*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2008d). *SNI 2825:2008: Cara Uji Kuat Tekan Batu Uniaksial*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2012). *SNI 1726-2012. Tata Cara Perencanaan Ketahanan Gempa untuk Struktur Bangunan*. Jakarta. Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2015). *SNI 6371:2015: Tata Cara Pengklasifikasian Tanah Untuk Keperluan Teknik dengan Sistem Klasifikasi Unifikasi Tanah*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2016). *SNI 3420:2016: Metode Uji Kuat Geser Langsung Tanah Tidak Terkonsolidasi dan Tidak Terdrainase*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2017). *SNI 8460:2017: Persyaratan Perancangan Geoteknik*. Jakarta: Badan Standardisasi Nasional.

- Balai Hidrolika dan Geoteknik Keairan. (2023). Laporan Pengujian *Multichannel Analysis of Surface Waves* (MASW) Terowongan Bangunan Pengarah Rukoh. Bandung. Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Balai Wilayah Sungai Sumatera I. (2023). *Overview Analisa Geolistrik pada Inlet-Outlet Tunnel Tiro*, Pidie, Provinsi Aceh. Banda Aceh. Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Barber, A. J., Crow, M. J., & Milsom, J. S. (2005). Sumatera: *Geology, Resources and Tectonic Evolution*. London: The Geological Society London.
- Barton, N. (2002). *Some New Q-value Correlations to Assist in Site Characterisation and Tunnel Design*. *International Journal of Rock Mechanics & Mining Sciences*, 39(Pergamon), 185–216.
- 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*, 189–236.
- Bennet, J. D., Bridge, D., Cameron, N. R., Djunuddin, A., Ghazali, S. A., Jeffery, D. H., Kartawa, W., Keats, W., Rock, N. M., Thomson, S. J., & Whandoyo, R. (1981). Peta Geologi Lembar Banda Aceh, Sumatra. Bandung: Badan Geologi Indonesia.
- Bieniawski, Z. T. (1989). *Engineering Rock Mass Classification Mining and Mineral Resources Research Institute*. USA: Pennsylvania State University.
- Burmister, D. M. (1949). *Principles and Techniques of Soil Identification*. In *Proceedings of Annual Highway Research Board Meeting*. National Research Council. Washington, DC. (Vol. 29, pp. 402-434).
- Dearman, W. R. (1991). *Engineering Geological Mapping (1st ed.)*. Oxford: Butterworth Heinemann Ltd.
- Deere, D., & Miller, R. (1996). *Engineering Classification and Index Properties for Intact Rock*. In *Technical Report No. AFWL-TR-65-116*. Air Force

Weapons Laboratory. Kirkland Air Force Base. Technical Report No. AFWL-TR-65- 116. Air Force Weapons Laboratory. Kirkland Air Force Base.

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

Gonzales de Vallejo, L. dan M. Ferrer. 2011. *Geological Engineering*. London: CRC Press.

Hardiyatmo, H. C. (2002). *Mekanika Tanah I*. In Gadjah Mada University Press (Edisi Ketiga). Yogyakarta: Gadjah Mada University Press.

Hardiyatmo, H. C. (2014). *Tanah Ekspansif: Permasalahan dan Penanganan*. Gadjah Mada University Press. Yogyakarta: Gadjah Mada University Press

Harwinda, Z. B. (2023). *Evaluasi Geologi Teknik dan Analisa Kestabilan pada Portal Terowongan Suplesi Bendungan Rukoh Kabupaten Pidie Provinsi Aceh*. Yogyakarta: Universitas Gajah Mada.

Hoek, E., Carter, T. G., & Diederichs, M. S. (2013). *Quantification of the Geological Strength Index Chart*. 47th US Rock Mechanics / Geomechanics Symposium 2013, 3, 1757–1764.

Hoek, E., & Diederichs, M. S. (2006). *Empirical Estimation of Rock Mass Modulus*. *International Journal of Rock Mechanics and Mining Sciences*. 43(2). pp. 203-215.

Hoek, E., Kaiser, P. K., & Bawden, W. F. (1995). *Support of Underground Excavations in Hard Rock (1st ed)*. Netherlands: Taylor & Francis

Hoek, E., Marinos, P., & Benissi, M. (1998). *Applicability of the geological strength index (GSI) classification for very weak and sheared rock masses. The case of the Athens Schist Formation*. *Bulletin of Engineering Geology and the Environment*, 57(2).

Marinos, P., & Hoek, E. (2000). GSI: A Geologically Friendly Tool for Rock Mass Strength Estimation. *ISRM International Symposium 2000*, 19–24.

Nguyen, V. M., & Nguyen, Q. P. (2015). Analytical Solution for Estimating the Stand-up Time of The Rock Mass Surrounding Tunnel. In *Journal of Tunnelling and Underground Space Technology*. Elsevier.

Palmstorm. (2001). Measurement and Characterization of Rock Mass Jointing. In V. Sharma, & K. Saxena, *In Situ Characterization of Rocks* (1st ed., pp. 49-97). CRC Press.

Pettifer, G. S., & Fookes, P. G. (1994). A revision of the graphical method for assessing the excavatability of rock. *Quarterly Journal of Engineering Geology*, 27(2). 145-164. doi:10.1144/GSL.QJEGH.1994.027.P2.05

Price, D. G. (2009). *Engineering Geology: Principles and Practice*. (M. H. de Freitas, Ed.). Springer.

PT. Wahana Adya Konsultan. (2019a). *Detail Engineering Design Bendung Pengarah Rukoh*. Banda Aceh: Balai Wilayah Sungai Sumatera II.

PT. Wahana Adya Konsultan. (2019b). *Laporan Geologi/Mekanika Tanah DED Bendung Pengarah Bendungan Tiro*. Banda Aceh: Balai Wilayah Sungai Sumatera II.

PT. Waskita Karya. (2022). *Laporan Geologi/Mekanika Tanah Investigasi Tambahan Bendung Pengarah Rukoh*. Banda Aceh: Balai Wilayah Sungai Sumatera II.

PT. Waskita Karya Tbk. (2023). *Construction Drawing*. Banda Aceh: Balai Wilayah Sungai Sumatera I.

Pusat Studi Gempa Nasional. (2017). *Peta Percepatan Puncak di Batuan Dasar untuk Probabilitas Terlampaui 7% dalam 75 Tahun Skala 1:250.000*. Pusat Studi Gempa Nasional. Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat.

- Pusat Vulkanologi dan Mitigasi Bencana Geologi. (2009). Peta Kerentanan Gerakan Tanah Pulau Sumatera. Jakarta: Pusat Vulkanologi dan Mitigasi Bencana Geologi.
- Telford, W.M., L.P. Geldart, R.E. Sheriff & D.A. Keys. (1990). *Applied Geophysics (2nd ed.)*. London: Cambridge University Press
- Utami, D.N., 2018. Kajian Jenis Mineralogi Lempung Dan Implikasi Dengan Gerakan Tanah. *Jurnal Alami*, 2(2)
- van Bemmelen., R. W. (1949). *The Geology of Indonesia Vol. I A: Government Printing Office*. Belanda: The Hague, Ed.
- Zakaria, Z., Dipatunggoro G., Tri-Haryanto, E., 2007. Karakteristik Tanah Lempung Lapukan Formasi Balikpapan Di Samboja, Kalimantan Timur. *Bulletin of Scientific Contribution: GEOLOGY*, 5(3). DOI: <https://doi.org/10.24198/bsc%20geology.v5i3.862>
- Zhu, D. Y. (2008). *Investigations on the Accuracy of the Simplified Bishop Method. In Landslides and Engineered Slopes. From the Past to the Future, Two Volumes+ CD-ROM* (pp. 1077-1080). CRC Press.