

## DAFTAR PUSTAKA

- Aryal, K.P., 2006, Slope Stability Evaluations by Limit Equilibrium and Finite Element Methods (unpublished doctoral thesis): Trondheim, Norwegian University of Science and Technology. 124 pp.
- Bieniawski, Z.T., 1979, The Geomechanics Classification in Rock Engineering Applications. In *Proc. 4th Int. Congr. Rock Mech.*, ISRM, Montreux, vol. 2, p. 41-48
- Bieniawski, Z.T., 1984, *Rock Mechanics Design in Mining and Tunneling*. Rotterdam: A.A. Balkema. 272 pp.
- Bieniawski, Z.T., 1989, *Engineerng Rock Mass Classification: A Complete Manual for Engineers and Geologists in Mining, Civil and Petroleum Engineering*. Toronto: John Wiley and Sons. 251 pp.
- Chen, P.Y., 1977, Table of Key Lines in X-Ray Powder Diffraction Patterns of Minerals in Clays and Associated Rocks: Department of Natural Resources Geological Survey Occasional Paper 21. Bloomington, Indiana: Geological Survey of The State of Indiana
- Cook, E.F., 1965, *Stratigraphy of Tertiary Volcanic Rocks in Eastern Nevada*. Mackay School of Mines, University of Nevada.
- de Vallejo, L.I.G. and Verrer, M., 2011, *Geological Engineering*. Boca Raton, Florida: CRC Press. 669 pp.
- Eriksson, L.O., 2014, Soil Rock Interfaces: Problem Identification and Conceptualisation for Sealing Strategies. Master of Science Thesis. Gothenburg: Chalmers University of Technology. 111 p.
- Fell, R., MacGregor, P., Stapledon, D., Bell, G. and Foster, M., 2015, *Geotechnical Engineering of Dams, 2<sup>nd</sup> Edition*. Leiden: CRC Press/Balkema. 1338 p.
- GEOSLOPE International Ltd., 2018, Stability Modelling With GeoStudio. 244 pp.
- Goodman, R.E., 1980, *Introduction to Rock Mechanics*. New York: John Wiley & Sons. 478 pp.
- Hoek, E., 1994, Strength of Rock and Rock Masses. *International Society of Rock Mechanics News Journal*, 2 (2). p. 4-16
- Hoek, E. and Brown, E.T., 1997, Practical estimates of rock mass strength. *Intl. J. Rock Mech. & Mining Sci. & Geomechanics Abstracts*. 34 (8), p. 1165-1186

- Hoek, E., Carranza-Torres, C. and Corkum, B., 2002, Hoek-Brown Failure Criterion – 2002 Edition. In *Proc. NARMSTAC Conference*. Toronto, p. 267–273
- Hoek, E., Carter, T.G. and Diederichs, M.S., 2013, Quantification of the Geological Strength Index Chart. In *The 47th US Rock Mechanics/Geomechanics Symposium*, San Francisco, CA, USA.
- ISO 14689-1, 2003, (E). Geotechnical investigation and testing—Identification and classification of rock—Part 1: Identification and description (pp. 1–16). Geneva: International Organization for Standardization.
- Hudson, J.A. and Harrison, J.P., 1997, *Engineering Rock Mechanics: An Introduction to the Principles*. Oxford: Pergamon (Elsevier Science Ltd.), 444 pp.
- Husein, S. dan Nukman, M., 2015, Rekonstruksi Tektonik Mikrokontinen Pegunungan Selatan Jawa Timur: Sebuah Hipotesis Berdasarkan Analisis Kemagnetan Purba., dalam: *Proceeding, Seminar Nasional Kebumihan Ke-8*. Yogyakarta: Jurusan Teknik Geologi Universitas Gadjah Mada, p. 235-248
- Konietzky, H. and Ismael, M.A., 2017, *Failure Criteria for Rocks*. Freiberg: Institut für Geotechnik, TU Bergakademie Freiberg. 20 pp.
- Le Maitre, R.W., (Ed.), Streckeisen, A., Zanettin, B., Le Bas, M.J., Bonin, B., Bateman, P., Bellieni, G., Dudek, A., Efremova, S., Keller, J., Lameyre, J., Sabine, P.A., Schmid, R., Sørensen, and H., Woolley, A.R., 2002, *Igneous Rocks: A Classification and Glossary of Terms; Recommendations of the International Union of Geological Sciences Subcommission on the Systematics of Igneous Rocks, 2nd Edition*. New York: Cambridge University Press. 30-32
- Marinos, P. and Hoek, E., 2000, GSI – A geologically friendly tool for rock mass strength estimation, in *Proceeding GeoEngineering 2000 Conference*, Melbourne.
- Marinos, P., Marinos, V. and Hoek, E., 2007, The Geological Strength Index (GSI): A characterization tool for assessing engineering properties of rock masses. DOI: 10.1201/NOE0415450287.ch2.

- Moon, V., 2016, Halloysite behaving badly: geomechanics and slope behaviour of halloysite-rich soils. *Clay Minerals*, 51, 517–528
- Palmström, A., 1985, Application of the volumetric joint count as a measure of rock mass jointing. In *Proceedings of the International Symposium on Fundamentals of Rock Joints* (pp. 103–110). Bjorkliden, Sweden.
- Palmström, A., 2001, Measurement and Characterization of Rock Mass Jointing. In Sharma, V.M. and Saxena, K.R. (eds.), *In-situ Characterization of Rocks*: A.A. Balkema Publishers, p 1-40
- Palmström, A., 2005, Measurements of and correlations between block size and rock quality designation (RQD). *Tunnelling and Underground Space Technology*, 20, 362–377
- Parfitt, R.L., 2009, Allophane and imogolite: role in soil biogeochemical processes. *Clay Minerals*, 44, 135–155
- PT Ika Adya Perkasa, 2011, Laporan Geologi Pekerjaan Survey Investigasi Tambahan Untuk DD Bendungan Tugu Kab. Trenggalek. Tidak dipublikasikan.
- PT Inakko Internasional Konsulindo—PT Bina Karya K.S.O., 2019, Laporan Supervisi Pembangunan Spillway Bendungan Tugu di Kabupaten Trenggalek (MYC). Tidak dipublikasikan.
- PT Nur Straits Engineering, 2019, Factual Report of Geotechnical Investigation for Tugu Dams Project, Trenggalek – East Java. Tidak dipublikasikan.
- Rahadian, H., Setianto, S.P., Saroso, B.S., dan Sata, A., 2005, Pedoman Konstruksi dan Bangunan (Pd T-09-2005-B): Rekayasa penanganan keruntuhan lereng pada tanah residual dan batuan. Pusat Penelitian dan Pengembangan Prasarana Transportasi, Badan Penelitian dan Pengembangan, Departemen Pekerjaan Umum. 98 hal.
- Rocscience Inc., 2018, *Getting Started with Dips*. Diakses dari: [https://www.rocscience.com/help/dips/#t=dips%2FDips\\_Overview.htm](https://www.rocscience.com/help/dips/#t=dips%2FDips_Overview.htm), diakses pada 28/07/2020.
- Romana, M., 1985, New adjustment ratings for application of Bieniawski classification to slopes. In *International Symposium on the Role of Rock Mechanics* (pp. 49–53). Zacatecas, Mexico.

- Romana, M., Tomás, R. and Serón, J.B., 2015, Slope Mass Rating (SMR) geomechanics classification: thirty years review. In *ISRM Congress 2015 Proceedings - International Symposium on Rock Mechanics*, Quebec, Canada, 10 pp.
- Samodra, H., Suharsono, Gafoer, S. dan Suwarti, T., 1992, *Peta Geologi Lembar Tulungagung, Jawa*. Bandung: Pusat Penelitian dan Pengembangan Geologi, skala 1:250.000, 1 lembar.
- Setiawan, Y.E.M. dan Asmaranto, R., 2017, Kajian Perbaikan Pondasi Kombinasi Plastic Concrete Cut Off Wall dan Grouting Pada Pembangunan Bendungan Tugu Kabupaten Trenggalek. Malang: Jurusan Teknik Pengairan Universitas Brawijaya. 15 hal.
- Shiami, F.A.R., 2017, *Prediksi Laju Sedimentasi Pada Tampungan Bendungan Tugu Trenggalek* (Skripsi, tidak dipublikasikan). Surabaya: Jurusan Teknik Sipil, Fakultas Teknik Sipil dan Perencanaan, Institut Teknologi Sepuluh Nopember. 124 hal.
- Sinarta, I.N., 2014, Metode Penanganan Tanah Longsor dengan Pemakuan Tanah (*Soil Nailing*). *Paduraksa*, Vol. 3 No. 2.
- Singh, B. and Goel, R.K., 2011, *Engineering Rock Mass Classification*. Waltham, MA: Butterworth-Heinemann. 365 pp.
- Sivakugan, N., Shukla, S.K. dan Das, B.M., 2013, *Rock Mechanics: An Introduction*. Boca Raton, FL: CRC Press.
- Sobhan, K., 2011, Slope Stability, in: Das, B.M. (Editor), *Geotechnical Engineering Handbook*. Fort Lauderdale, FL: Ross Publishing Inc. p. 1-38.
- Spencer, E., 1967, A Method of Analysis of the Stability of Embankments Assuming Parallel Inter-Slice Forces. *Geotechnique*, 17, p. 11-28
- Stead, D. and Wolter, A., 2015, A critical review of rock slope failure mechanisms: The importance of structural geology. *Journal of Structural Geology*, 74, 1-23
- van Bemmelen, 1949, *The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes (Vol. I A)*. The Hague: Government Printing Office. 732 pp.

- Wesley, L.D., 2009, Behaviour and geotechnical properties of residual soils and allophane clays. *Obras y Proyectos*, 5, 5-10
- Wesley, L.D., 2010, *Geotechnical Engineering in Residual Soils*. Hoboken, New Jersey: John Wiley & Sons, Inc.
- Wicaksono, D.D., Setiawan, N.I., Wilopo, W. dan Harijoko, A., 2017, Teknik Preparasi Sampel dalam Analisis Mineralogi dengan XRD (*X-Ray Diffraction*) di Departemen Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada. *Proceeding, Seminar Nasional Kebumihan Ke-10: Peran Ilmu Kebumihan dalam Pembangunan Infrastruktur di Indonesia*. Yogyakarta: Departemen Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada. 1864-1880
- Wyllie, D.C. and Mah, C.W., 2004, *Rock Slope Engineering: Civil and Mining* (4th Edition). New York: Spon Press. 431 pp.
- Zhu, D. Y., Lee, C. F. and Jiang, H. D., 2003, Generalised framework of limit equilibrium methods for slope stability analysis. *Geotechnique*, v. 53, No. 4, 377–395