

DAFTAR PUSTAKA

- ASTM, 2000a, D 2487 – 00, *Standard Practice for Classification of Soils for Engineering Purpose (Unified Soil Classification System)*.
- ASTM, 2000b, D 2488 – 00, *Standard Practice for Description and Identification of Soil (Visual-Manual procedure)*.
- ASTM, 2000c, D 4318 – 02, *Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils*.
- ASTM, 2002, D 5731 – 02, *Standard Test Method for Determination of the Point Load Strength Index of Rock*.
- ASTM, 2007, C 127 – 07, *Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate*.
- Badan Koordinasi Survei dan Pemetaan Nasional, 2002, *Standar Nasional Indonesia (SNI) untuk Peta Geomorfologi*, Bogor: Pusat Pemetaan Rupa Bumi dan Toponim.
- Bieniawski, Z.T. 1976, *Rock Mass Classification in Rock Engineering*, In: *Bieniawski, Z.T., Ed., Symposium Proceedings of Exploration for Rock Engineering*, Cape Town: Balkema, p. 97-106.
- Bieniawski, Z.T., 1989, *Engineering Rock Mass Classification. A Complete Manual for Engineers and Geologist in Mining, Civil, and Petroleum Engineering*, New York, John Wiley and Sons, 251 p.
- Bieniawski, Z.T., 1993, In J. A. Hudson (Ed), *Classification of rock masses for engineering: The RMR system and future trends, comprehensive rock engineering*, New York: Pergamon Press, Vol. 3, p. 553-573.
- Broch, E., 1983, Estimation of Strength Anisotropy Using the Point Load Test: *Int. Journal Rock Mechanics and Mining Science*, v. 20, p. 181-187.
- Budhu, M., 2011, *Soil Mechanics and Foundations*, Edisi 3: New Jersey, John Wiley and Sons Inc., 799 p.
- Cai, M., Kaiser, P.K., Uno, H., Tasaka, Y., dan Minami, M., 2004, Estimation of Rock Mass Deformation Modulus and Strength of Jointed Hard Rock Masses using the GSI system: *International Journal of Rock Mechanics and Mining Sciences*, v. 41, p. 3-19.
- Dearman, W.R. 1991, *Engineering Geological Mapping*, University of Michigan: Butterworth-Heinemann, 413 p.
- Deere, D.U., dan Deere, D.W., 1988, *The Rock Quality Designation (RQD) Index in Practice*, in Kirkaldie, L., ed., *Rock Classification Systems for Engineering Purposes: American Society for Testing and Materials*, Philadelphia, p. 91-101.

- De Genevraye, P., dan Samuel, L., 1972, *Geology of The Kendeng Zone (Central and East Java)*, in: *Proceedings of The International Geoscience Conference and Exhibition, IPA, First Annual Convention*. Jakarta, p. 17–30.
- Direktorat Jenderal Sumber Daya Air, 2003, *Pedoman Kriteria Umum Desain Bendungan*, Kementerian PUPR, Jakarta, p. 1-96.
- Fokes, P.G., 1997, *Tropical Residual Soil*, The Geological Society, London.
- Giani, G.P., 1992, *Rock Slope Stability Analysis*, A.A. Balkema, Rotterdam.
- Goodman, R.E., 1989, *Introduction to Rock Mechanics*, New York, John Willey and Sons.
- Gunaratne, M., 2006, *The Foundation Engineering Hand Book*, CRC Press.
- Hartanto, Utami, T.E., dan Widyaningrum, R., 2011, *Peta Geologi Teknik Lembar Kediri dan Sekitarnya, Provinsi Jawa Timur*, Badan Geologi Kementerian ESDM, skala 1:500.000, 1 lembar.
- Hoek, E. dan Brown, E.T., 1980, Empirical Strength Criterion for Rock Masses: *Journal of the Geotechnical Engineering Division*, GT9, p. 1013-1035.
- Hoek, E., 1994, Strength of Rock and Rock Masses, *International Society of Rock Mechanics News Journal*, vol. 2, no. 2, p. 4-16.
- Hoek, E., dan Brown, E.T., 1997, Practical Estimates of Rock Mass Strength, *International Journal of Rock Mechanics and Mining*, volume 34, issue 8, p. 1165-1186.
- Hoek, E., dan Marinos, P., 2007, The Geological Strength Index (GSI): A Characterization Tool For Assessing Engineering Properties For Rock Masses, Published in: *Underground works under special conditions*, eds. Romana, Perucho, and Olalla, p. 13-21, Lisbon: Taylor and Francis.
- Hudson, J.A., dan Harrison, J.P., 1997, *Engineering Rock Mechanics: An Introduction to the Principles*, Pergamon, Oxford, 458 p.
- International Society for Rock Mechanics, 1981, *Basic Geological Description of Rock Masses*, Pergamon Press, 38 p.
- Jati, Wisnu W., Agna, Nindyan., Suryantini, Muhtar, dan Lucky K., 2020, Fracture Characteristics of Mount Pandan Geothermal Complex, East Java, Indonesia, in: *Proceedings World Geothermal Congress 2020*, Reykjavik, p. 1–11.
- Kim B.H., Kaiser P.K., dan Grasselli G., 2007, Influence of persistence on behavior of fractured rock masses, *Geol. Soc. Lond. Special Publications*, 284: p. 161–173, Doi:10.1144/SP284.11.
- Marinos, P., dan Hoek E., 2000, GSI- A Geologically Friendly Tool for Rock Mass Strength Estimation, In: *Proceedings of GeoEng 2000 at the International*

- Conference on Geotechnical and Geological Engineering* (Melbourne, Victoria, Australia), Lancaster, PA: Technomic Publishers, p. 1422–1446.
- Marinos, V., Marinos, P., dan Hoek, E., 2005, The Geological Strength Index: Application and Limitation, *Bulletin of Engineering Geology and Environment*, vol 64, p. 55-65.
- Mount, J.F., 1985, Mixed siliclastic and carbonate sediments: A Proposed First order Textural and Compositional Classification, *Journal of Sedimentary Petrology*, vol 52, p. 435-442.
- Osgoui, R., dan Unal, E., 2005, Rock Reinforcement Design for Unstable Tunnels Originally Excavated in Very Poor Rock Mass, *Proceedings of International Conference Underground Space Use: Analysis of the Past and Lessons for the Future*, London, Taylor and Francis Group, p. 291-296.
- Palmstrom, A., 1995, *Rmi - a Rock Mass Characterization System for Rock Engineering Purpose*, PhD thesis, University of Oslo, Department of Geology, 400 p.
- Palmstrom, A., 2001, Measurement and characterization of rock mass jointing, *In 'In-situ characterization of rocks'*, Sharma V.M. and Saxena K.R. eds., A.A. Balkema publishers, p. 49-97.
- Pettijohn, F.J., Potter, P.E., dan Siever, R., 1987, *Sand and Sandstone*, 2nd ed., Springer-Verlag, New York, 553 p.
- Pringgoprawiro, H., dan Sukido, 1992, *Peta Geologi Lembar Bojonegoro*, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- PT Virama Karya dan PT Indra Karya, 2018, *Laporan Geologi/Geoteknik Pekerjaan Review Desain Bendungan Semantok*, Surabaya: Balai Besar Wilayah Sungai Brantas, Direktorat Jenderal Sumber Daya Air, Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Pulunggono, dan Martodjojo, S., 1994, Perubahan Tektonik Paleogene–Neogene Merupakan Peristiwa Tektonik Terpenting di Jawa, *Proceeding Geologi dan Geotektonik Pulau Jawa*, Percetakan NAFIRI Yogyakarta.
- Sadisun, I.A., dan Matsui, K., 1999, Engineering Grades in Claystone of Upper Subang Formation and Their Effect on Some Change of Engineering Properties, *In. Proc. of 99 Japan-Korea Joint Symp. On Rock Engineering*, Japan, p. 37-46.
- Sadisun, I.A., Bandonno, dan Setiadji, P., 2006, Pengamatan dan Pengujian dalam Karakterisasi Pelapukan Andesit di Purwakarta, *Jurnal Geoaplika*, volume 1, nomor 1, p. 3-13.
- Singh, B., dan R. K. Goel., 2011, *Engineering Rock Mass Classification*, Oxford, Elsevier Inc, 382 p.

- Smyth, Helen., Robert Hall., dan Hamilton, Joseph., 2005, East Java: Cenozoic Basins, Volcanoes, and Ancient Basement, *Indonesia Petroleum Association, Proceeding Ann.Conv. 30th*: Jakarta, Indonesia.
- Tim Satker Non Vertikal Tertentu, 2018, *Kajian Geologi Bendungan Semantok, Kabupaten Nganjuk*, Semarang: PT Virama Karya Konsultan Perencana (Tidak Diterbitkan).
- United States Department of Interior Bureau of Reclamation, 2012, *Embankment Dams, Foundation and Earth Materials Investigation Phase 4 (Final)*, 111 p.
- van Bemmelen, R. W., 1949, *The Geology of Indonesia, vol I.A. General Geology*, The Hague: Martinus Nyhoff, 732 p.
- van Zuidam, R. A., 1985, *Aerial Photo-Interpretation in Terrain Analysis and Geomorphologic Mapping*, Den Haag: Smith Publisher, 442 p.
- Wazoh, H.N., dan Mallo, S.J., 2014, Standard Penetration Test in Engineering Geological Site Investigation – A Review, *The International Journal of Engineering and Science (IJES)*, 3 (7), p. 40-48.
- Wyllie, D.C., dan Mah, Ch. W., 2004, *Rock Slope Engineering: Civil and Mining*, Spon Press, London and New York, 4th ed., 431 p.
- Youd, T.L., dan Idriss, I.M., 2001, *Liquefaction Resistance of Soils: Summary Report from the Journal Geotechnical and Environmental Eng.*, ASCE 127(10), p. 817-833.
- Zaim, Yahdi., Berghuis, H.W.K., dan Troelstra, S.R., 2019, Plio-Pleistocene foraminiferal biostratigraphy of the eastern Kendeng Zone (Java, Indonesia): The Marmoyo and Sumberingin Sections, *Journal of Palaeogeography, Palaeoclimatology, Palaeoecology* 528, p. 218-231.
- Zhang, L., Peng, M., Chang, D., dan Xu, Y., 2016, *Dam Failure Mechanism and Risk Assesment*, John Wiley & Sons Ltd., Singapura, 499 p.