

DAFTAR PUSTAKA

- Anon, 1972, The Preparation of Maps and Plans in Terms of Engineering Geology, dalam Jurnal, *Quarterly Journal of Engineering Geology*, 5, p. 293-381
- ASTM, 1998, D 2216-98, Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by mass. U.S.
- 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, 2000e1, D 2937-00, Standard Test Methods for Density of Soil in Place by Drive-Cylinder Method. U.S.
- ASTM, 2002, D 5731 – 02, Standard Test Method for Determination of the Point Load Strength Index of Rock.
- ASTM, 2003, D 3080-0, Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
- ASTM, 2006, D 1140-00, Standard Test Method for Amount of Material in Soils Finer Than the No. 200 (75- μ m) Sieve. U.S.
- ASTM, 2007, D 422-63, Standard Test Method for Particle Size Analysis of Soils. U.S.
- ASTM, 2014, D 854, Standard Test Method for Specific Gravity of Soil Solids by Water Pycnometer. U.S.
- ASTM, 2016, D 2166, Standard Test Methods for Unconfined Compressive Strength of Cohesive Soil. U.S.

- Balasubramanian, A., 2017, Geotechnical Investigation for Tunneling: <http://www.researchgate.net/publication/314503138>, (diakses 12 Januari 2019)
- Barton, N.R., Lien, R. dan Lunde, J., 1974, Engineering Classification of Rock Masses for The Design of Tunnel Support: Rock Mech. 6(4), p. 189-239.
- Bell, F.G., 2004, Engineering Geology and Construction: USA ,CRC Press, 181-202 p.
- Bienawksi, Z.T. 1989. Engineering Rock Mass Classifications: New York, John Wiley & Sons.
- Bieniawski, Z.T.,1973, Engineering Classification of Jointed Rock Masses. Trans S Afr Inst Civ Eng 15: p. 335–344
- Das, B. M., 1995, Mekanika Tanah Jilid 1 (Prinsip-prinsip Rekayasa Geoteknis): Jakarta, Penerbit Erlangga.
- Dearman, W. R., 1991, Engineering Geological Mapping: University of Michigan, Butterworth – Heinemann Ltd.
- Deere, D.U. dan Miller, R.P., 1966, Engineering Classification and Index Properties of Intact Rock, Technical Report No. AFWL-TR-65-116, Air Force Weapons Laboratory, Kirkland Air Force Base, New Mexico.
- Fisher R. V. 1966. Rocks Composed of Volcanic Fragments and Their Classification, Elsevier Publishing Company: Amsterdam
- Gary, M., McAfee, R. Jr and Wolfe, CL. (eds),1972, Glossary of Geology: Washington DC, American Geological Institute.
- Gonzales de Vallejo, L. dan Ferrer, M., 2011, Geological Engineering: Netherlands, CRC Press Balkema.
- Grimstad, E., dan Barton, N., 1993, Updating of The Q-System for NMT, dalam Prosiding, Sarocks '98, 2nd Brazilian Symposium on Sprayed Concrete – Modern Use of Wt Mix Sprayed Concrete for Underground Support.

- Hoek, E. dan Brown, E.T., 1982, Empirical Strength Criterion for Rock Masses: Journal of the Geotechnical Engineering Division, GT9, 1013-1035 p.
- Hoek, E. dan Marinos, P., 2000, Predicting Tunnel Squeezing Problems in Weak Heterogeneous Rock Masses: Tunnels and Tunnelling International, Part 1.
- Hoek, E., 1994, Strength of Rock and Rock Masses. News J ISRM 2 (2): p. 4-16.
- Hoek, E., 2007, Practical Rock Engineering: Notes, Evert Hoek Consulting Engineer Inc., Canada. <http://www.rockscience.com>.
- Hoek, E., Carter, T.G., dan Diederichs, M.S., 2013, Quantification of Geological Strength Index Chart: American Rock Mechanics Association Journal, vol. 13, no. 672.
- Hung, C.J., Monsees, J., Munfah, N., dan Wisniewski, J., 2009, Technical Manual for Design Construction of Road Tunnels-Civil Elements: Washington, D.C., National Highway Institute.
- ISRM (International Society for Rock Mechanics), 1978, Standardization of Laboratory and Field Test: Int. J. Rock Mech. Min. Sci. & Geotech., Vol. 15, pp. 319 – 368.
- Le Maitre, R. W., A. Streckeisen, B. Zanettin, M. J. Le Bas, B. Bonin, P. Bateman, G. Bellieni, A. Dudek, S. Efremova, J. Keller, J. Lameyre, P. A. Sabine, R. Schmid, H. Sørensen, and A. R. Wooley (eds.), 2002, Igneous Rocks: A Classification and Glossary of Terms: Cambridge University Press. Cambridge, UK.
- Marinos, P. dan Hoek, E., 2000, GSI: A Geologically Friendly Tool for Rock Mass Strength Estimation, dalam Prosiding, GeoEng 2000 at International Conference on Geotechnical Engineering, 1422-1446 p.
- Marinos, V., Marinos, P., Hoek, E., 2005, The Geological Strength Index (Gsi): A Characterization Tool for Assessing Engineering Properties for Rock Masses: Bulletin Engineering Geological Environment, Vol. 64, p. 87-94.

- Murthy, V.N.S., 2003, Geotechnical Engineering : Principles and Practices of Soil Mechanics and Foundation Engineering: New York, Marcel Dekker, Inc., 8 p.
- Nichols G., 2009, Sedimentology and Stratigraphy ed. 2: Wiley-Blackwell, UK
- Pettijohn, F.J., 1975, Sedimentary Rocks ed. 3: Harper and Row, New York.
- Price, D.G., 2009, Engineering Geology : Principles and Practice: Jerman, Springer-Verlag Berlin Heidelberg.
- PT. Aditya Engineering Consultant, 2017, Studi Investigasi Tambahan untuk DD Waduk Jlantah, Laporan Akhir Konsultan, Kartasura: BBWS Bengawan Solo, Ditjen Sumber Daya Air, Kementerian Pekerjaan Umum dan Perumahan Rakyat
- PT. Daya Cipta Dianrancana, 2012, Review Studi Kelayakan Waduk Jlantah Kabupaten Karanganyar, Laporan Akhir Konsultan, Kartasura: BBWS Bengawan Solo, Ditjen Sumber Daya Air, Kementerian Pekerjaan Umum dan Perumahan Rakyat
- PT. Daya Cipta Dianrancana, 2013, DD Waduk Jlantah di Kabupaten Karanganyar, Laporan Akhir Konsultan, Kartasura: BBWS Bengawan Solo, Ditjen Sumber Daya Air, Kementerian Pekerjaan Umum dan Perumahan Rakyat
- PT. Miranthi Konsultan Permai, 2012, Penyusunan Zona Pemanfaatan dan Konservasi Air Tanah pada CAT Karanganyar-Boyolali, Dinas Energi dan Sumber Daya Mineral: Jawa Tengah.
- Sampurno dan H. Samodra, 1997, Peta Geologi Regional Lembar Ponorogo, Jawa. Bandung: Pusat Penelitian dan Pengembangan Geologi, skala 1:100.000, 1 lembar.
- Sivakugan, N., Shukla, S.K. dan Das, B.M., 2013, Rock Mechanics an Introduction, Florida: CRC Press.

- Tancev, L., 2005, Dams and Appurtenant Hydraulic Structures: Skopje” A.A. Balkema Publisher
- Taylor, C.L., Conwell, F.R., 1981, BART – Influence of Geology on the Constuction Conditions and Cost, Bulletin Assisiation of Engineering Geologists
- Thompson, G.R., dan Turk, J., 1997, Introduction to Physical Geology ed. 2: Boston: Cengage Learning.
- Vallejo, Luis I Gonzalez de., Ferreer Mercedes, 2011, Geological Engineering: London, Taylor and Francis Group.
- van Bemmelen, R.W., 1970, The Geology of Indonesia Vol. IA General Geology of Indonesia and Adjacent Archipleagoes: Government Printing Office, The Hague.
- van Bemmelen., R. W., 1949, The Geology of Indonesia Vol. I A: Government Printing Office, The Hague, 732 p.
- van Zuidam, R.A., 1983, Guide to Geomorphologic-Aerial Photographic Interpretation and Mapping: Enscede, Netherland, ITC.
- Wentworth, C. K., 1922, A Scale of Grade and Class Terms for Clastic Sediments: J. Geol., 30, 377–392.
- Winter, J. D., 2013, Igneous and Metamorphic Petrology ed. 2: Pearson Education Limited, USA
- Zhang, L., Peng, M., Chang, D., dan Xu, Y., 2016. Dam Failure Mechanism and Risk Assesment: Singapura, John Wiley & Sons Ltd.