

DAFTAR PUSTAKA

- Apriyono, Arwan. dan Sumiyanto. (2010). *Tinjauan Kekuatan Sistem Penyangga Terowongan dengan Menggunakan Metode Elemen Hingga*. Purwokerto: Dinamika Rekayasa Vol. 6., No. 1.
- Arifin, S. (2009). *Terowongan Dalam Pelaksanaan*. Jakarta: PT. Mediatama Saptakarya.
- ASTM (American Society for Testing and Material) D 854 – 02. (n.d.). *Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer*. US.
- ASTM (American Society for Testing and Material) D 2216 – 98. (n.d.). *Standard Test Method for Laboratory Determination of Water (Moisture) Content of*. US.
- ASTM (American Society for Testing and Material) D 4318 – 00. (n.d.). *Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils*. US.
- ASTM (American Society for Testing and Material) D 5731 – 07. (n.d.). *Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications*. US.
- ASTM (American Society for Testing and Material) D 4959 - 00. (n.d.). *Standard Test Method for Determination of Water (Moisture) Content of Soil By Direct*. US.
- Barton, N., Lien, R., and Lunde, J. (1974). *Engineering Classification of Rock Masses for the Design of Tunnel Support*. Oslo: Norwegian Geotechnical Institute Publication 106.
- Bieniawsky, Z. T. (1989). *Engineering Rock Mass Clasification Mining and Mineral Resources Research Institute*. Canada: John Wiley & Sons, Inc.

- Brahmantyo, B. dan Bandonu. (2006). *Klasifikasi Bentuk Muka Bumi (Landform) untuk Pemetaan Geomorfologi pada Skala 1: 25.000 dan Aplikasinya untuk Penataan Ruang*. Jurnal Geoaplika 1, 071–078.
- Broch, E. and Franklin, J.A. (1972). *The Point Load Strength Test*. Great Britain: Pergamon Press.
- Dearman, W.R. (1991). *Engineering Geogical Mapping*. Butterworth-Heinemann: University of Michigan.
- Das, Braja M. (1995). *Mekanika Tanah Jilid 1 (Prinsip-prinsip Rekayasa Geoteknis)*. Jakarta: Penerbit Erlangga.
- Das, Braja M. (2019). *Advanced Soil Mechanics*. New York: CRC Press.
- Das, B. M., Shukla, S. K., Sivakugan, N. (2013). *Rock Mechanics an introduction*. New York: CRC Press.
- Deere, D.U. and Miller, R.P. *Engineering Classification and Index Properties of Intact Rock*. New Mexico: Technical Report No. AFWL-TR-65-116, Air Force Weapons Laboratory, Kirkland Air Force Base, 1966.
- Gonzalez de Vallejo, L. dan Ferrer, M. (2011). *Geological Engineering*. Netherlands: CRC Press Balkema.
- Greminger, M. (1982). *Experimental Studies of the Influence of Rock Anisotropy on Size and Shape Effects in Point-Load Testing*. Great Britain: Pergamon Press.
- Gunatama, PT. Jasapatria, 2013. *Laporan Penunjang Survey Geologi Teknik dan Mekanika Tanah, Detail Desain Bendungan Matenggeng Tahap II*. Banjar: BBWS Citanduy Jawa Barat Kementerian PUPR.
- Hardiyatmo, H.C. (2017). *Mekanika Tanah 1*. Yogyakarta: Gadjah Mada University Press.

- Hefny, A. M., Tan, W. L., Ranjith, P., Sharma, J., and Zhao, J. (2004). *Numerical Analysis for Umbrella Arch Method in Shallow Large Scale Excavation in Weak Rock*. Tunnelling and Underground Space Technology Volume 19.
- Hoek E., Diederichs M. S. (2005). *Empirical estimation of rock mass modulus*. International Journal Of Rock Mechanics And Mining Sciences.
- Hoek, E. Torres, C. And Corkum, B. (2002). *Hoek-Brown Failure Criterion – 2002 edition*. Vancouver, Canada.
- Hoek, E., Brown, E. T. (1997). *Practical estimates of rock mass strength*. Canada: Science Direct.
- Hoek, E., Kaiser, P.K and Bawden, W.F. (1998). *Support of Underground Excavations in Hard Rock*. Rotterdam: A.A Balkema.
- Hoek, E. and Marinos, P. (2007). *A Brief History of the Development of the Hoek-Brown Failure Criterion. Soils and Rocks*.
- Hoek, E., Carter, T.G., Diederichs, M.S.. (2013). *Quantification of the Geological Strength Index chart*. San Francisco: ARMA.
- International Society for Rock Mechanics. (1978). Suggested Methods for The Quantitative Description of Discontinuities in Rock Masses. *Int. J. Rock Mech, Sci. & Geomech* , 319-368.
- International Society for Rock Mechanics. (1979). Suggested Methods for Determining the Uniaxial Compressive Strength and Deformability of Rock Materials. *Int. J. Rock Mech, Sci. & Geomech*.
- JSCE (Japan Society of Civil Engineers). (2007). *Standard Specifications for Tunneling-2006*. Japan: Mountain Tunnels.

- Kastowo dan Suwarna. (1996) *Peta Geologi Regional Lembar Majenang, Jawa* skala 1 : 100.000. Bandung : Direktorat Geologi.
- Lwin, M. Myint. (2009). *Technical Manual For Design And Construction Of Road Tunnels-Civil Elements, Chapter 6 , 7*. USA: Publication No. FHWA-NHI-10-034
U.S Department Of Transportation Federal Highway Administration.
- Nash, David J., McLaren Sue J. (2007). *Geochemical Sediments and Landscapes*. USA: Blackwell Publishing Ltd.
- Marinos, V., Carter T. G. (2014). *Use of GSI for Rock Engineering Design*. (n.d.).
- Marinos P., Hoek E. (2000). *GSI: A Geologically Friendly Tool For Rock Mass Strength Estimation*. Melbourne: Proc. International Conference on Geotechnical & Geological Engineering, GeoEng2000, Technomic Publ., 1422-1442.
- Nurdian, S., Setyanto, & Afriani, L. (2015). *Korelasi Parameter Kekuatan Geser Tanah dengan Menggunakan Uji Triaksial dan Uji Geser Langsung pada Tanah Lempung Subtitusi Pasir*. JRSDD.
- Palmstrom, A. (2005). *Measurements of and Correlations between Block Size and Rock Quality Designation (RQD)*. Norway: Tunnels and Underground Space Technology.
- Parry, R. H. G. (2005). *Mohr Circles, Stress Paths and Geotechnics*. New York: Spon Press.
- Pettifer, G.S. and Fookes, P.G. "A Revision of The Graphical Method for Assessing The Excavatability of Rock". Quarterly Journal of Engineering Geology 27, 1994: 145-164.
- Pettijohn, F.J. (1975). *Sedimentary Rocks, 3th Edition*. New York: Harper and Row.

Price, D.G. *Engineering Geology : Principles and Practice*. German: Springer- Verlag
Berlin Heidelberg, 2009.

Peng, Suping and Zhang, Jincai. (2007). *Engineering Geology for Underground Rocks*.
New York: Springer Berlin Heidelberg.

Rai, M.A., Kramadibrata S., Wattimena R.K. (2014). *Mekanika Batuan*, Bandung:
Laboratorium Geomekanika dan Peralatan Tambang, ITB.

Sheorey. (1994). *In situ and induced stresses*. Canada: Rocscience Inc.

SNI (Standar Nasional Indonesia) 1726:2012. (n.d.). *Tata cara perencanaan ketahanan
gempa untuk struktur bangunan gedung dan non gedung*. Jakarta: Badan
Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 1964:2008. (n.d.). *Cara uji berat jenis tanah*. Jakarta.:
Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 1965:2008. (n.d.). *Cara uji penentuan kadar air untuk
tanah dan batuan di laboratorium*. Jakarta: Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 1966:2008. (n.d.). *Cara uji penentuan batas plastis dan
indeks plastisitas tanah*. Jakarta: Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 1967:2008. (n.d.). *Cara uji penentuan batas cair tanah*.
Jakarta: Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 2813:2008. (n.d.). *Cara uji kuat geser langsung tanah
terkonsolidasi dan terdrainase*. Jakarta: Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 3420:2016. (n.d.). *Cara uji penentuan batas susut
tanah*. Jakarta: Badan Standardisasi Nasional.

SNI (Standar Nasional Indonesia) 3422:2008. (n.d.). *Cara uji penentuan batas susut
tanah*. Jakarta: Badan Standardisasi Nasional.

- SNI (Standar Nasional Indonesia) 03-3637-1994. (n.d.). *Metode Pengujian Berat Isi Tanah Berbutir Halus dengan Cetakan Benda Uji*. Bandung: Pusjatan Balitbang PU.
- SNI (Standar Nasional Indonesia) 8460:2017. (n.d.). *Persyaratan perancangan geoteknik*. Jakarta: Badan Standardisasi Nasional.
- Sugalang. (2016). *Panduan Geologi Teknik*. Bandung: Pusat Sumber Daya Air Tanah dan Geologi Lingkungan Badan Geologi Kementerian Energi dan Sumber Daya Mineral.
- Suhendro, B. (2000). *Metode Elemen Hingga dan Aplikasinya*. Yogyakarta: Jurusan Teknik Sipil, Fakultas Teknik, Universitas Gadjah Mada.
- Surjono, S. S., & Amijaya, D. H. (2017). *Sedimentologi*. Yogyakarta: Gadjah Mada University Press..
- Tim Pusat Studi Gempa Nasional. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017*. Bandung: Pusat Penelitian dan Pengembangan Perumahan dan Permukiman Badan Penelitian dan Pengembangan Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Towhata, ikuo. (2008). *Geotechnical Earthquake Engineering*. Japan: Springer-Verlag Berlin Heidelberg.
- Tsiambaos, G., Saroglou, H. (2009). *Excavatability assessment of rock masses using the Geological Strength Index (GSI)*. Greece: Springer-Verlag.
- Van Bemmelen, R. W. (1949). *The Geology of Indonesia Vol. IA General Geology of Indonesia and Adjacent Aechipelago*. The Hague: Government Printing office.
- Van Zuidam, R. (1983). *Guide to Geomorphologic-Aerial Photographic Interpretation and Mapping*. Enschede, Netherland: ITC.

Varnes, David J., Cruden, David M. (1978). *Landslide Type and Processes*. USA: U.S.

Geological Survey.

Wiley, A. John and Son. (2010). *Geological Field Techniques*. United Kingdom:

Blackwell Publishing Ltd.