

DAFTAR PUSTAKA

- Abramson, L.W., Lee, Sharma S., dan Boyce, G.M., 2002, *Slope Stability And Stabilization Methods*. John Willey & Sons, Inc., Canada.
- 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*.
- Badan Standarisasi Nasional, 2015, *Tata Cara Desain Tubuh Bendungan Tipe Urugan*, Jakarta.
- Bakosurtanal, 1999, Peta Rupa Bumi Digital Indonesia lembar Conggeang 1309-131, Badan Koordinasi Survey dan Pemetaan Nasional, skala 1:25.000, 1 lembar.
- Balasubramanian, A., 2017, *Geotechnical Investigation for Tunneling*: <http://www.researchgate.net/publication/314503138>, (diakses 18 Oktober 2018)
- Bell, F.G., 2004, *Engineering Geology and Construction: USA*, CRC Press, 181-202 p.
- Bieniawsky, Z. T., 1989, *Engineering Rock Mass Clasification Mining and Mineral Resources Research Institute*, Pennsylvania State University.
- Bowles, E.J., 1989, *Sifat-Sifat Fisis dan Geoteknis*, Erlangga, Jakarta.
- Budhu, M., 2011, *Soil Mechanics and Foundation*, 3rd ed., John Wiley & Sons, Inc.
- Calgary, A.B., 2012, *Stability Modeling with GeoStudio*. GEO-SLOPE International Ltd, Canada.
- Chowdhury, R., 2010, *Geotechnical Slope Analysis*, CRC Press, London.
- Danil, D., 2008, *Geologi dan Karakteristik Sesar Anjak Daerah Conggeang dan Sekitarnya, Kabupaten Sumedang, Jawa Barat*, Tugas Akhir, Program Studi

Teknik Geologi, Fakultas Ilmu dan Teknik Kebumihan, Institut Teknologi Bandung, Tidak dipublikasikan.

Das, B. M., 1995, *Mekanika Tanah Jilid 1 (Prinsip-prinsip Rekayasa Geoteknis)*. Jakarta: Penerbit Erlangga.

Dearman, W.R., 1991, *Engineering Geological Mapping*, Butterworth-Heinemann, University of Michigan.

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.

Departemen Pemukiman dan Prasarana Wilayah, 2003, *Pedoman Kriteria Umum Desain Bendungan*, Direktorat Sumber Daya Air, Kementerian Pekerjaan Umum dan Perumahan Rakyat, Jakarta.

Djuri, 1973, *Peta Geologi Lembar Ardjawanangun, Djawa*, Direktorat Geologi, Departemen Pertambangan Republik Indonesia.

Duncan, J.M., 2014, *Soil Strength and Slope Stability*, 2nd ed., John Wiley & Sons, Inc., New Jersey.

Goel, R.K. dan Swarup, A., 2008, Case History of Tunneling Through Claystone, *6th International Conference on Case Histories in Geotechnical Engineering, Arlington, VA*, Agustus 11-16.

de Vallejo, L.G. dan Ferrer, M., 2011, *Geological Engineering*, CRC Press Balkema, Netherlands.

Grimstad, E., dan Barton, N., 1993, Updating of The Q-System for NMT, *Proceedings of Sarocks '98, 2nd Brazilian Symposium on Sprayed Concrete – Modern Use of Wt Mix Sprayed Concrete for Underground Support*.

Hartono, S., Ramadhan, G., dan Firmansyah, Y., 2018, Analisis Fasies Formasi Citalang, Kabupaten Sumedang, Jawa Barat, *Padjajaran Geoscience Journal*, vol. 2, No.1, 74-81 p.

Hoek, E. dan Brown, E.T., 1980, Empirical Strength Criterion for Rock Masses: *Journal of the Geotechnical Engineering Division*, GT9, 1013-1035 p.

Hoek, E., 1994, Strength of Rock and Rock Masses, *International Society of Rock Mechanics News Journal*, vol.2, no.2, 4-16 p.

Hoek, E., Carranza-Torres, C., dan Corkum, B., 2002, Hoek Brown Failure Criterion, *Proceeding NARMS-TAC Conference, Toronto*, vol. 1, 267-273 p.

- 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.
- Hoek, E., 2007, *Practical Rock Engineering*, Rocscience. North Vancouver, Evert Hoek Consulting Engineer Inc.
- Hoek, E., dan David, F. W., 1987, *Support in Underground Hard Rock Mines*, NSERC International Research Professor, Department of Civil Engineering, University of Toronto, Canada.
- Holtz, R.D. dan Kovacs, W.D., 1981, *An Introduction to Geotechnical Engineering*, Prentice Hall, Englewood Cliffs.
- Huang, Y.H., 2014, *Slope Stability Analysis by the Limit Equilibrium Method*, ASCE, Virginia.
- Hung, C.J., Monsees, J., Munfah, N., dan Wisniewski, J., 2009, *Technical Manual for Design Construction of Road Tunnels-Civil Elements*, National Highway Institute, Washington, D.C.
- ISRM, 1978, Suggested Methods for The Quantitative Description of Discontinuities in Rock Masses, *Int. J. Rock Mech, Sci. & Geomech*, 368 p.
- Karnawati, D., 2005, *Gerakan Massa Tanah di Indonesia dan Upaya Penanggulangannya*. Jurusan Teknik Geologi Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Kerr, P., 1977, *Optical Mineralogy*, McGraw-Hill, Inc., Stanford.
- Komite Percepatan Penyediaan Infrastruktur Prioritas, 2016, *Deskripsi Proyek Bendungan Cipanas, Sumedang, Jawa Barat*, Kementerian Koordinator bidang Perekonomian Republik Indonesia, Jakarta.
- Labuz, J.F., dan Zang, A., 2012, Mohr-Coulomb Failure Criterion, *Rock Mechanics and Rock Engineering*, v. 45, 975-979 p.
- Liong, T., dan Herman, D.J., 2012, *Analisa Stabilitas Lereng Limit Equilibrium Method vs Finite Element Method* di HATTI-PIT-XVI 2012, Teknik Sipil Universitas Bina Nusantara, Jakarta.
- Marinos, P. dan Hoek, E., 2000, GSI: A Geologically Friendly Tool for Rock Mass Strength Estimation, *Proceedings of GeoEng 2000 at International Conference on Geotechnical Engineering*, 1422-1446 p.

- Marinos, P. dan Hoek, E., 2001, Estimating the Geotechnical Properties of Heterogenous Rock Masses such as Flysch, *Bulletin of Engineering Geology and Environment*, no. 60, 85-92 p.
- Marinos, V., Marinos, P., dan Hoek, E., 2005, The Geological Strength Index : Applications and Limitations, *Bulletin of Engineering Geology and Environment*, no.64, 55-65 p.
- Martodjojo, S., 2003, *Evolusi Cekungan Bogor*, Penerbit ITB, Bandung.
- Misbahudin dan Sadisun, I.M., 2018, Analisis Ketahanan (*Durability*) Batulempung Formasi Subang di Daerah Ujungjaya dan Sekitarnya, Kecamatan Sumedang, Provinsi Jawa Barat, *Bulletin of Geology Fakultas Ilmu dan Teknik Kebumihan Institut Teknologi Bandung*, vol.2, no. 1, 163-174 p.
- Murthy, V.N.S., 2003, *Geotechnical Engineering : Principles and Practices of Soil Mechanics and Foundation Engineering*, Marcel Dekker, Inc., New York, 8 p.
- Price, D.G., 2009, *Engineering Geology : Principles and Practice*, Springer-Verlag Berlin Heidelberg, Jerman.
- Pulunggono dan Martodjojo, S., 1994, Perubahan Tektonik Paleogen-Neogen merupakan Peristiwa Tektonik Terpenting di Jawa, *Prosiding Geologi dan Geotektonik Pulau Jawa Sejak Akhir Mesozoik hingga Kuartar*, Jurusan Teknik Geologi, Fakultas Teknik, UGM.
- PUPR, 2018, *Bendungan Cipanas Mulai dibangun untuk Mengairi 9,243 Hektar Sawah di Indramayu dan Sumedang*, diakses pada 25 Maret 2019 Pukul 10.00, <https://pu.go.id/berita/view/15763/bendungan-cipanas-mulai-dibangun-untuk-mengairi-9-243-hektar-sawah-di-indramayu-dan-sumedang>.
- Pusch, R. dan Yong, R.N., 2006, *Microstructure of Smectite Clays and Engineering Performance*, Taylor & Francis, New York.
- PVMBG, 2009, Peta Zona Kerentanan Gerakan Tanah Kabupaten Sumedang, Provinsi Jawa Barat, Badan Geologi Kementerian ESDM, skala 1:100.000, 1 lembar.
- Read, J., dan Stacey, P., 2009, *Guidelines for Open Pit Slope Design*, CSIRO Publishing, Australia.
- Reddy, E.S., dan Sastri, K.R., 2002, *Measurement of Engineering Properties of Soils*, New Afe International, Ltd., New Delhi, 9-11 p.

- Sivakugan, N., Shukla, S.K., dan Das, B.M., 2013, *Rock Mechanics : An Introduction*, CRC Press, Boca Raton.
- Steiner, W., 1993, Swelling Rock in Tunnels: Rock Characterization, Effect of Horizontal Stresses and Construction Procedures, *International Journal of Rock Mechanics, Mineral Sciences, & Geomechanics*, v. 30, no.4, 361-380 p.
- Sulaksana, N., Sukiyah, E., Sjafrudin, A., dan Haryanto, E.T., 2013, Karakteristik Geomorfologi DAS Cimanuk Bagian Hulu dan Implikasinya terhadap Intensitas Erosi serta Pendangkalan Waduk Jatigede, *Bionatura-Jurnal Ilmu-Ilmu Hayati dan Fisik*, v. 15, no. 2, 100-106 p.
- Sutisna, J. Dan Wahyono, 2013, Peta Geologi Teknik Lembar Jawa bagian Barat, Badan Geologi Kementerian ESDM, skala 1:500.000, 1 lembar.
- Thompson, G.R., dan Turk, J., 1997, *Introduction to Physical Geology, 2nd ed.*, Cengage Learning, Boston.
- van Bemmelen, R.W., 1970, *The Geology of Indonesia Vol. IA General Geology of Indonesia and Adjacent Archipleagoes*, Government Printing Office, The Hague.
- van Zuidam, R.A., 1983, *Guide to Geomorphologic-Aerial Photographic Interpretation and Mapping*, ITC, Enschede, Netherland.
- William, H., Turner, F.J., dan Gilbert, C.M., 1898, *Petrography: An Introduction to the Study of Rocks in Thin Section*, W.H. Freeman, London.
- Zhang, L., Peng, M., Chang, D., dan Xu, Y., 2016, *Dam Failure Mechanism and Risk Assesment*, John Wiley & Sons Ltd., Singapura.