

## DAFTAR PUSTAKA

- Abramson, L., dkk. 2002. *Slope Stability and Stabilization Methods*. Canada: John Wiley & Sons, Inc.
- Alifahmi, Sophian, R.Irvan, dan Muslim, Dicky. 2016. *Aktivitas Tanah Lempung Pada Formasi Bojongmanik Terhadap Kestabilan Lereng Daerah Cikopomayak, Kabupaten Bogor, Provinsi Jawa Barat*. Bulletin of Scientific Contribution Volume 14, No.3, 269-276.
- Arifin, S. 2009. *Terowongan dalam Pelaksanaan*. Jakarta: PT. Mediatama Saptakarya.
- ASTM (American Society for Testing and Material) D 2487. *Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)*. U.S.
- ASTM (American Society for Testing and Material) D 3080. *Standard Test Methods for Direct Shear Test of Soils Under Consolidated Drain Conditions*.U.S.
- ASTM (American Society for Testing and Material) D 422. *Standard Test Methods for Hydrometer Analysis*. U.S.
- ASTM (American Society for Testing and Material) D 4318. *Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils*. U.S.
- ASTM (American Society for Testing and Material) D 4959. *Standard Test Method for Determination of Water (Moisture) Content of Soil by Direct Heating*. U.S.
- ASTM (American Society for Testing and Material) D 854. *Standard Test Method for Specific Gravity of Soil Solids by Water Pycnometer*. U.S.
- ASTM (American Society for Testing and Material) D 5777. *Standard Guide for Using the Seismic Refraction Method for Subsurface Investigation*. U.S.
- Bartlett, Steven F. 2010. *Mohr-Coulomb Model*. Utah: Civil & Engineering Department.
- Bell, F. G. 2007. *Engineering Geology Second Edition*. USA: Elsevier Ltd.
- Birkholz, M. 2006. *Thin Film Analysis by X-Ray Scattering*. Weinheim: Wiley-VCH Verlag gmbH & Co.KGaA
- Callister Jr, W. D. 2007. *Materials Science and Engineering an Introduction Seventh Edition*. USA: Jhon Wiley & Sons, Inc.
- Chen, P. Y. 1977. *Table of Key Lines in X-ray Powder Diffraction Patterns of Minerals in Clays and Associated Rocks*. Indiana: Departement of Natural Resources Geological Survey Occasional Paper 21.
- Das, B. M. 1988. *Mekanika Tanah Jilid 1 (Prinsip – Prinsip Rekayasa Geoteknis) – Terjemahan Noor Endah dan Indrasurya B. Mochtar*. Jakarta: Penerbit Erlangga.
- Das, Braja M. 1995. *Mekanika Tanah (Prinsip-prinsip Rekayasa Geoteknis) Jilid I – Terjemahan Mochtar, N.E dan Mochtar, I.B*. Jakarta: Erlangga.
- Das, B. M. 2010. *Principal of Geotechnical Engineering – Seventh Edition*. Sacramento: California State University

- Dearman, W. R. 1991. *Engineering Geological Mapping*. UK: Butterworth – Heinemann Ltd.
- Douglas, J. 2003. *Earthquake Ground Motion Estimation Using Strong-Motion Records: A Review of Equations for The Estimation of Peak Ground Acceleration and Response Spectral Ordinates*. *Earth-Science Reviews* 61(1-2), 43-104, ISSN 1872-6828.
- Etkesen Zuhul, Ergintav Yavuz, Akcelik Nefise, Tuglu Hikmet. *Effects of Geological Structures on Tunnel Excavation and Improvement Works At Kizilac Tunnel*. Turkey: KGM Technical Research Department
- Gonzalez de Vallejo, L., dan Ferrer, M. 2011. *Geological Engineering*. Netherlands: CRC Press Balkema.
- Gillott, Jack E. 1968. *Clay in Engineering Geology*. Amsterdam: Elsevier Publishing Company.
- Hardiyatmo, H.C. 2006. *Mekanika Tanah 1*. Yogyakarta: Gadjah Mada University Press.
- Hilmi, F., dan Haryanto, I. 2008. *Pola Struktur Regional Jawa Barat*. *Bulletin of Scientific Contribution*, Vol. 6, Nomor 1, Page : 57 – 66.
- Hoek, E., Marinos, P., dan Benissi, M. 1998. *Applicability of The Geological Strength Index (GSI) Classification for Very Weak and Sheared Rock Masses The Cases of The Athens Schist Formation*. *Bull Emg Geol Env* : 151 – 160.
- Holtz, R. D., dan Kovacs, W. D. 1981. *An Introduction to Geotechnical Engineering*. USA: University of Washington.
- Husain, R. 2015. *Geokimia Mineral Lempung dan Implikasinya terhadap Gerakan Tanah*. Disertasi. Tidak diterbitkan. Program Pascasarjana Universitas Hasanuddin: Makassar.
- Idriss, I.M., Boulanger, R.W. 2008. *Soil Liquefaction During Earthquake*. USA: Earthquake Engineering Research Institute (EERI).
- ISRM (International Society for Rock Mechanics). 1978. *Standardization of Laboratory and Field Test*. *Int. J. Rock Mech. Min. Sci. & Geotech.*, Vol. 15, hal. 319 – 368.
- Jaramillo, C.A. 2017. *Impact of Seismic Design on Tunnels In Rock – Case Histories*. USA : Tongji University Press.
- Look, Burt. 2007. *Handbook of Geotechnical Investigation and Design Tables*. UK: Taylor & Francis Group.
- Minesota Department of Transportation. 2017. *Geotechnical Engineering Manual*. USA: Minesota Department of Transportation
- Moya, I.R.B., Agreda, E.A.P., Morales, E.R., Sole, A.G. 2009. *Tunneling and Swelling in Triassic Sulphate-Bearing Rocks. Part II- Case Studies from Jura Mountains*. *Revista Epsilon*, 12:39-53.
- Pratama, A. N. 2015. *Analisis Stabilitas Lereng dengan Metode Rock Mass Rating (RMR) dan Limit Equilibrium Method (LEM) pada Penambangan Terbuka (Open Pit Mining) Batubara di Kecamatan Damai Kabupaten Kutai Barat Provinsi Kalimantan Timur*. Tesis. Prodi S-2 Teknik Geologi UGM: Yogyakarta.
- Price, D. G. 2009. *Engineering Geology Principal and Practice*. Berlin: Springer.

- PVMBG. 2017. *Peta Zonasi Kerentanan Gerakan Tanah Provinsi Jawa Barat*. Bandung: PVMBG.
- Silitonga, P. H. 1973. *Peta Geologi Lembar Bandung, Djawa skala 1 : 100.000*. Bandung: Direktorat Geologi.
- Smallman, R., dan Bishop, R. 1999. *Modern Physics Metallurgy and Materials Engineering*. Oxford: Butterworth-Heinemann.
- SNI (Standar Nasional Indonesia) 03-1968-1990. *Metode Pengujian tentang Analisis Saringan Agregat Halus dan Kasar*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 1726:2012. *Tata Cara Perencanaan Ketahanan Gempa untuk Struktur Bangunan Gedung dan Non Gedung*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 1964-2008. *Cara Uji Berat Jenis Tanah*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 1965:2008. *Cara Uji Penentuan Kadar Air untuk Tanah dan Batuan di Laboratorium*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 1966:2008. *Cara Uji Penentuan Batas Plastis dan Indeks Plasistitas Tanah*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 1967:2008. *Cara Uji Penentuan Batas Cair Tanah*. Badan Standarisasi Nasional: Jakarta.
- SNI (Standar Nasional Indonesia) 3422:2008. *Cara Uji Penentuan Batas Susut Tanah*. Badan Standarisasi Nasional: Jakarta.
- Sjogren, Bengt. 1984. *Shallow Refraction Seismics*. London: Chapman and Hall Ltd.
- Sriyono. 2014. *Geologi dan Geomorfologi Indonesia*. Yogyakarta: Penerbit Ombak.
- Sutono, S., Maswar, dan Yusrial. 2006. *Sifat Fisik dan Metode Analisisnya: Penetapan Plastisitas Tanah*. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian: Bogor.
- Sutrisno. 2016. *Karakteristik Geologi Teknik Lokasi Konstruksi Terowongan Saluran Pengelak Bendungan Kuningan Jawa Barat*. Tugas akhir. Tidak diterbitkan. Departemen Teknik Geologi UGM: Yogyakarta.
- Tampubolon, A. H. 2007. *Studi Analisis Pengaruh Pembangunan Terowongan MRT Terhadap Lingkungan Sekitar dengan Metode Elemen Hingga*. Tugas Akhir. Tidak diterbitkan. Prodi Teknik Sipil Fakultas Teknik Sipil dan Lingkungan ITB: Bandung.
- University of Southern California. 2010. *Intensity Measure Type (IMT)* [Internet ]. [diunduh 2018 Apr 19]. Tersedia pada: <http://www.opensha.org/glossary-intensityMeasureType#SA>
- U.S Department of Commerce. 1967. *The Unified Soil Classification System : Appdendix A & B (USCS)*. USA.
- Van Bemmelen, R. W. 1949. *The Geology of Indonesia Vol. I A : Government Printing Office*. The Hague.

- Verstappen, H. 1983. *Geomorfologi Terapan: Survei Geomorfologikal untuk Pengembangan Lingkungan – Terjemahan Prof. Dr. Sutikno*. Yogyakarta: Penerbit Ombak.
- Van Zuidam, R. W. 1983. *Guide to Geomorphologic-Aerial Photographic Interpretation and Mapping*. Netherland.
- Waseda, Y., dkk. 2011. *X-Ray Diffraction Crystallography – Introduction, Examples and Solve Problems*. New York: Springer Heidelberg.
- Wentworth, C. K. 1922. *A Scale of Grade and Class Terms for Clastic Sediments*. The Journal of Geology, Vol 30(5):377-392.
- Wiavianto, S. 2016. *Geologi dan Petrologi Kawasan Manglayang, Bandung Timur, Jawa Barat*. Tugas akhir. Prodi Sarjana Teknik Geologi Fakultas Ilmu dan Teknologi Kebumihan ITB: Bandung.
- Widyawati, N. 2012. *Analisa Pengaruh Heating Rate terhadap tingkat Kristal dan Ukuran Butir Lapisan BZT yang Ditumbuhkan dengan Metode Sol Gel*. Tugas akhir. Tidak diterbitkan. Universitas Sebelas Maret: Surakarta.
- Yeftamikha. 2016. *Aplikasi Studi Alterasi Hidrotermal dalam Pengembangan Lapangan Panas Bumi Tompasso, Kabupaten Minahasa, Provinsi Sulawesi Utara*. Tugas akhir. Tidak diterbitkan. Fakultas Teknik Departemen Teknik Geologi UGM: Yogyakarta.
- Yong, Raymond N., dan Warkentin, Benno P. 1975. *Soil Properties and Behaviour*. Minnesota: Elsevier Scientific Publishing Company.
- Zakaria, Z. 2014. *Aspek Geoteknik di Kawasan Pendidikan – Jatinangor, Sumedang, Jawa Barat*. Seminar Nasional Fakultas Teknik Geologi: Bandung.