

## DAFTAR PUSTAKA

- Almanera, Raimundo, dan Nasution, Yuda., 2007, *Rock Slope Stability Concepts*. PT Newmont Nusa Tenggara.
- Anwar, H.Z, dan Kesumadharma, S., 1991, *Konstruksi Jalan di daerah Pegunungan tropis*, *Makalah Ikatan Ahli Geologi Indonesia*, PIT ke-20, Desember 1991, hal. 471- 481.
- Arief, S. 2007. *Dasar-Dasar Analisis Kestabilan Lereng*. PT INCO: Sorowako.
- ASTM (American Society For Testing And Material) D 2166. *Standard Test Methods For Unconfined Compressive Strength Of Cohesive Soil*. 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 D5731-02, 2002, *Standard Test Method For Determination Of The Point Load Strength Index Of Rock*: West Conshohocken, PA, ASTM International, 7 P.,
- Badan Standarisasi Nasional, B. S. N, 2017. *SNI 8460:2017 Persyaratan Perancangan Geoteknik*. Badan Standarisasi Nasional. Jakarta.
- Barber, A.J., Crow, M.J. dan Milsom, J.S., 2005, *Sumatra: geology, resources and tectonic evolution*. Geological Society: London.
- Bell, F.G., 2006, *Engineering Geology, Second Edition*: Oxford, Butterworth-Heinemann Ltd., 592 P., Doi:10.2113/Gseegeosci.17.1.85.
- Bieniawski, Z. T., 1989, *Engineering Rock Mass Classification*: Canada, John Wiley & Sons, Inc.
- Bieniawski, Z.T., 1976, *Rock Mass Classification in Rock Engineering*. In: Bieniawski, Z.T., Ed., *Symposium Proceedings of Exploration for Rock Engineering*, 1, 97-106.
- Broch, E., 1983, *Estimation Of Strength Anisotropy Using The Point – Load Test*, Int. J. Rock Mech Min Sci & Geomech, Vol. 20, No. 4, Pp. 181 - 187.
- Canada Centre For Mineral And Energy Technology (CANMET)., 1979, *Pit Slope Manual: Chapter 9 – Waste Embankment*. Canada : Mining Research Laboratories, Department Of Energy, Mines And Resources

Das, B.M., 1995, *Mekanika Tanah Jilid 1 (Prinsip-Prinsip Rekayasa Geoteknik)*: 258 p.

Darman, H., Sidi, F. H., 2000, *An Outline of the Geology of Indonesia*. Jakarta: Publikasi Ikatan Ahli Geologi Indonesia.

Dearman, W.R., 1991, *Engineering Geological Mapping*: Oxford, Butterworth-Heinemann Ltd., 387 P.

Deere D.U., 1989, *Rock Quality Designation (RQD) after 20 years*, U.S. Army Corps of Engineers Contract Report GL-89-1., Vicksburg, MS: Waterways Experimental Station.

Deere, D. U. and Deere, D. W., 1988, *The Rock Quality Designation (RQD) Index in Practice, Rock Classification Systems for Engineering Purposes*, ASTM STP 984, Louis Kirkaldie, Ed., American Society for Testing and Materials, Philadelphia, pp. 91-101

Deere, D.U., dan Miller, R.P., 1996, *Engineering Classification And Index Properties For Intact Rock*: New Mexico, Technical Report No. Afwl-Tr- 65-116, Air Force Weapons Laboratory, Kirkland Air Force Base, 327 P.

Deere, D.U., Hendron, A. J., Patton, F. D., Cording, E. J., 1967, *Design of Surface and Near Surface Construction.*, In *Rock*, Proceedings of 8th U.S. Symposium. Rock Mechanics, AIME, New York, 237-302.

Fathoni, M. Rais., 2012. *Pemodelan Pemasangan Penyangga Sementara Menggunakan Perangkat Lunak Phase 2 Pada Head Race Tunnel Chainage 155m - 265 M Di PLTA Tulis Kabupaten Banjarnegara, Jawa Tengah*. Skripsi.

Febriadi, A. dan Anaperta, Y. M., 2020. *Analisis Kestabilan Lereng pada Blok Timur Tambang Muara Tiga Besar Utara PT. Bukit Asam Tbk, Kabupaten Muara Enim, Provinsi Sumatera Selatan*, Bina Tambang, 5(4), pp. 11–20.

Firmanda, G., 2018, *Slope Stability Analysis for Geoscience*, Yogyakarta : PT. Lereng Nusantara Konsultan

Fleuty, M. J., 1964, *The description of folds*. Geologists' Association, London

Hardiyatmo, H.C., 2002. *Mekanika Tanah 1*. Yogyakarta: Gadjah Mada University Press

Herman, J.G., Dave, dan Liong, T.G., 2012, *Analisa Stabilitas Lereng Dengan Menggunakan Limit Equilibrium dan Finite Element Method*. Undergraduate Thesis, Binus.

Highland, L.M., Dan Bobrowsky, P., 2008, *The Landslide Handbook*, Reston, Virginia, U.S. Geology Survey, 1-21.

Hirawan, R.F., 1993, *Ketanggapan Stabilitas Lereng Perbukitan Rawan Gerakan Tanah atas Tanaman Keras, Hujan & Gempa*. Disertasi, Universitas Padjajaran, Bandung.

Hoek E and Brown., 1980, *Underground Excavation In Rock*, The Institution og Mining and Metallurgy. London. p 527

Hoek E. & J. W. Bray, 1981, *Rock Slope Engineering*, Revised Third Edition, The Institution of Mining and Metallurgy, London.

Hoek E., Marinos P., Benissi M., 1998. *Applicability of the geological strength index (GSI) classification for very weak and sheared rock masses*. The case of the Athens Schist Formation. Bull Eng Geol Env: 151.

Hoek, E dan Brown, E.T., 2018, *The Hoek-Brown failure criterion and GSI - 2018 Edition*: Journal of Rock Mechanics and Geotechnical Engineering, vol.11, pp 445-463

Hoek, E. dan Brown, E.T., 1997, *Practical Estimates of Rock Mass Strength*. International Journal Rock Mechanics Mining Science, 34, 1165-1186.

Hoek, E., 1994, *Strength of Rock and Rock Masses*: ISRM News Journal, P. 4–16.

Hoek, E., 2007, *Practical Rock Engineering*: Canada, Evert Hoek Consulting Engineer Inc.

Hoek, E., Carranza-Torres, C., dan Corkum, B., 2002, *Hoek-Brown failure criterion – 2002 edition*: Proc. 5th North American Rock Mech. Symposium, p. 267–273.

*Rock Masses: International Journal Of Rock Mechanics And Mining Sciences & Geomechanics Abstracts*, V. 15, P. 319–368.

ISRM, 1981, *Suggested Methods for the Quantitative Description of Discontinuities in Rock Masses*: UK, Pergamon Press

Karnawati, D., 2004, *Bencana Gerakan Massa Tanah/ Batuan Di Indonesia; Evaluasi Dan Rekomendasi, Dalam Permasalahan, Kebijakan Dan Penanggulangan Bencana Tanah Longsor Di Indonesia*. Jakarta : P3 -TPSLK BPPT dan HSF

Karnawati, D., 2005, *Bencana Alam Gerakan Massa Tanah Di Indonesia Dan Upaya Penanggulangannya* : Yogyakarta, Teknik Geologi, UGM.

Kramadibrata S., 1996, *The influence of rock mass and intact rock properties on the design of surface mines with particular reference to the excavatability of rock*, Australia: Curtin University

Lunto, S. dan Barat, P. S., 2020, *Analisis Kestabilan Lereng Menggunakan Metode Slope Mass Rating (SMR) Di Sekitar Lubang Bukaam Seam C2 Pt . Nusa Alam Lestari , Desa Salak , Kecamatan Talawi , Kota,*

Marinos, V., Marinos, P, Hoek, P, 2005, *The Geological Strength Index: Applications and Limitations*, Bulletin Engineering Geology Enviroment 2005 64, pp. 55 – 65

Marinos, V., Marinos, P., Hoek, E., 2005, *The Geological Strength Index: Application And Limitation*, Bulletin Of Engineering Geology And Environment 64, 55 – 65 P.

Marinos, V., Marinos, P., Hoek, E., 2007, *The Geological Strenth Index: A Characterization Tool For Assessing Engineering Properties For Rock Masses*.

Marinos,V., 2010, *New Proposed Gsi Classification Charts For Weak Or Complex Rock Masses*. Bulletin of the Geological Society of Greece, 43, 1248-1258.

Kementerian Energi dan Sumber Daya Mineral Republik Indonesia, 2018, *Keputusan Menteri ESDM No. 1827 K Tentang Pedoman Pelaksanaan Kaidah Pertambangan yang Baik*. Kementerian Energi dan Sumber Daya Mineral, Jakarta.

Menteri Kehutanan Republik Indonesia, 2009, *Peraturan Menteri Kehutanan Republik Indonesia Nomor : P.32/Menhut-li/2009 Tentang Tata Cara Penyusunan Rencana Teknik Rehabilitasi Hutan dan Lahan Daerah Aliran Sungai (RTKRLH-DAS)* Kementerian Kehutanan, Jakarta.

- Ni'mah M. R. M., 2018, *Karakteristik Geologi Teknik Dan Kestabilan Lereng Tumpuan Kiri Bendungan Gondang, Kabupaten Karanganyar, Provinsi Jawa Tengah*. Skripsi. Yogyakarta: Departemen Teknik Geologi UGM.
- Palmstrom, A., 1982, *The Volumetric Joint Count - A Useful And Simple Measure Of The Degree Of Rock Mass Jointing*: Proceedings Iv Congress International Association Of Engineering Geology, New Delhi, V. 2, P. 221–228.
- Panglular, D, 1985, *Petunjuk Penyelidikan & Penanggulangan Gerakan Tanah*. Pusat Penelitian dan Pengembangan Pengairan, Balitbang Departemen.
- Pusat Studi Gempa Nasional (Indonesia), 2017, *Peta sumber dan bahaya gempa Indonesia tahun 2017*, Pusat Penelitian dan Pengembangan Perumahan dan Permukiman, Badan Penelitian dan Pengembangan, Kementerian Pekerjaan Umum, Bandung.
- Prabowo, B., 2022, *Analisis Kestabilan Lereng Tambang Terbuka Blok A Sisi Timur Daerah Tanjung Lalang, Kecamatan Tanjung Agung, Kabupaten Muara Enim, Sumatera Selatan*. Tesis. Yogyakarta: Departemen Teknik Geologi UGM.
- Price, D.G., 2009, *Engineering Geology: Principles And Practice*. German: Springer-Verlag Berlin Heidelberg
- Priest, S.D., dan Hudson, J.A., 1976, *Discontinuity Spacings In Rock*: International Journal Of Rock Mechanics And Mining Science & Geomechanics, V. 13, P. 135–148.
- PT X, 2018, *Laporan Faktual Studi Geoteknik dan Hidrogeologi Proyek Penambangan Batubara PT X*. Lahat : PT X.
- Pulunggono, A., 1986, *Tertiary structural features related to extensional and compressive tectonics in the Palembang Basin, South Sumatra*. s.l., Indonesia Petroleum Association, pp. 187-214.
- Pulunggono, A., Agus, H.S., dan Kosuma, C.G., 1992, *Pre-Tertiary And Tertiary Fault System As A Framework Of The South Sumatera Basin*. A Study Of SAR-Maps, Proceeding IPA., 21st Ann. Conv., Vol. 1, p. 339 – 360.

Pulungge, A. G. & C. M. (2011). *On the Role of the Central and South Sumatra Basins, their Characteristic and their Roll in the Evolution of the Central and South Sumatra Basins*. The 13th Annual IPA Proceedings, v. 1, p. 121-143.

Read, J., and Stacey, P., 2009, *Guidelines for Open Pit Slope Design*. CSIRO: Australia.

Rocscience (2010). Slide 6.0: *Stability Analysis for Soil and Rock Slopes*. Rocscience, Toronto.

Rocscience (2011). Phase2 8.0: *Finite Element Modelling for Excavations*. Rocscience, Toronto.

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 Plasitsitas Tanah*. Badan Standarisasi Nasional. Jakarta.

SNI (Standar Nasional Indonesia) 2813:2008. *Cara Uji Kuat Geser Langsung Tanah Terkonsolidasi Dan Terdrainase*. Badan Standarisasi Nasional. Jakarta.

SNI (Standar Nasional Indonesia) 3420:2016. *Metode Uji Kuat Geser Langsung Tidak Terkonsolidasi Dan Tidak Drainase*. Badan Standarisasi Nasional. Jakarta.

SNI (Standar Nasional Indonesia) 3422: 2008. *Cara Uji Penentuan Batas Susut Tanah*. Badan Standarisasi Nasional. Jakarta.

SNI (Standar Nasional Indonesia) 3637:1994. *Metode Pengujian Berat Isi Tanah Berbutir Halus Dengan Cetakan Benda Uji*. Badan Standarisasi Nasional. Jakarta.

SNI (Standar Nasional Indonesia) Sni 1967:2008. *Cara Uji Penentuan Batas Cair Tanah*. Badan Standarisasi Nasional. Jakarta.

Suhendro, B., 2000, *Metode Elemen Hingga Dan Aplikasinya*: Yogyakarta, Universitas Gadjah Mada, 305 P.

Suratha, G., 1994, *Kemantapan Lereng*, Direktorat Jenderal Pertambangan Umum Pusat Pengembangan Tenaga Pertambangan, Bandung.

Van Bemmelen, R. W., 1949, *The Geology of Indonesia*, Vol. Ia: General Geology Of  
Indonesia and Adjacent Archipelagoes, The Hague.

Wesley.J. 1977, *An Evaluation Of Expendient Metodology For Identifocation Of  
Potentially Expansive Soils*. Federal Highway Administration. Washington D.C.

Zufialdi, Zakaria, 2009, *Analisis Kestabilan Lereng Tanah* : Bandung, Laboratorium  
Geologi Teknik Fakultas Teknik Geologi Universitas Padjadjaran.