

## DAFTAR PUSTAKA



### EVALUASI KONDISI GEOLOGI TEKNIK DAN DESAIN KONSTRUKSI TEROWONGAN 2 JALAN TOL SIGLI-BANDA ACEH SEKSI

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- Abzalov M., 2016, Applied Mining Geology - Modern Approaches in Solid Earth Sciences: Switzerland, Springer, 448p.
- ASTM, 1985, Standard Test Method for Determination of the Point Load Strength Index of Rock: United States, ASTM International, 9p.
- ASTM, 2006, Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer 1 ter (Moisture) Content of Soil and Rock by Mass Purposes (Unified Soil Classification System) Engaged in the Testing and / or Inspection of Soil and Rock Construction Mate: United States, ASTM International, 7p.
- ASTM, 2014, Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock: United States, ASTM International, 7p.
- ASTM, 2017, Standard Test Methods for Liquid Limit , Plastic Limit , and Plasticity Index of Soils: United States, ASTM International, 14p.
- ASTM, 2019, Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method: United States, ASTM International, 14p.
- Attewell, P. B., & Farmer, I. W., 1976, Principles of Engineering Geology: London, Chapman and Hall Ltd., 1074p.
- Badan Informasi Geospasial (BIG), 2018, Seamless Digital Elevation Model (DEM) dan Batimetri Nasional: Bogor, tanahair.indonesia.go.id, 1p.
- Badan Koordinasi Survei dan Pemetaan Nasional (BAKOSURTANAL), 2003, Peta Administrasi Provinsi Nanggroe Aceh Darussalam Skala 1 : 600.000: Bogor, BAKOSURTANAL, 1 p.
- Badan Standardisasi Nasional Indonesia (BSN), 2017, SNI 8460:2017 Persyaratan perancangan geoteknik: Jakarta, BSN, 323p.
- Barber, A. J., Crow, M. J., & Milsom, J. S., 2005, Sumatera: Geology, Resources and Tectonic Evolution: London, The Geological Society, 304p.
- Bell, F. G., 2007, Engineering Geology Second Edition: Burlington, Elsevier, 593p.
- Bennett, J. D., Bridge, D. M., Cameron, N. R., Djunuddin, A., Ghazali, S. A., Jeffery, D. H., Kartawa, W., Keats, W., Rock, N. M. S., Thomson, S. J., & Whandoyo, 1981, Peta Geologi Lembar Banda Aceh, Sumatera, Skala 1 : 250.000: Bandung, Pusat Penelitian dan Pengembangan Geologi, 1p.
- Bieniawski, Z. T., 1989, Engineering Rock Mass Classifications A Complete Manual for Engineers and Geologists in Mining, Civil, and Petroleum Engineering (1st ed.): United States, Wiley-Interscience, 249p.
- 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. Vol. 1, No. 2, Hal. 71-78.
- Dearman, W. R., 1991, Engineering Geological Mapping (1st Edition): London. Butterworth-Heinemann, 413p.

Deere, D. U., 1964, Technical Description of Rock Cores for Engineering Purposes: Chicago,



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Esri, dkk., 2021, Citra Satelit.

Federal Highway Administrator (FHWA), 2009, Technical Manual for Design and Construction of Road Tunnels — Civil Elements: New York, FHWA, 702p.

Gonzalez de Vallejo, L. I., & Ferrer, M., 2011, Geological Engineering: UK, CRC Press, 692p.

Goodman, R. E., 1989, Introduction to Rock Mechanics Second Edition: Berkeley, Wiley, 289p.

Hardiyatmo, H. C., 2002, Mekanika Tanah I Jilid III: Yogyakarta, Gadjah Mada University Press, 208p.

Hoek, E., 1994, Strength of rock and masses: United States, News Journal of ISRM Vol. 2, 52p.

Hoek, E., 2006, Practical Rock Engineering: Canada, Evert Hoek Consulting Engineer Inc., 339p.

Hoek, E., Carranza, C., & Corkum, B., 2002, Hoek-brown failure criterion – 2002 edition: Toronto, Narms-Tac, 267–273p.

Hoek, E., & Karzulovic, A., 2000, Rock mass properties for surface mines: Colorado, Society for Mining, Metallurgi and Exploration (SME), 59–70p.

Hoek, E., & Marinos, P., 2000, GSI: A Geologically Friendly Tool For Rock Mass Strength Estimation: Melbourne, ISRM International Symposium, 19p.

Japan Society of Civil Engineers, 2018, Standard Specifications for Tunneling 2016: Mountain Tunnels: Tokyo, JSCE, 282p.

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. 151p.

Karnawati, D., 2005, Bencana Alam Gerakan Massa Tanah di Indonesia dan Upaya Penanggulangannya: Surakarta, Dinamika Teknik Sipil: Majalah Ilmiah Teknik Sipil, 179-190p.

Kementerian PUPR, 2015, Pedoman Metode Perencanaan Penggalian dan Sistem Perkuatan Terowongan Jalan pada Media Campuran Tanah-Batuan: Jakarta, Kementerian PUPR, 53p.

Mount, J.F., 1985, Mixed siliciclastic and carbonate: a proposed first-order textural and compositional classification.

Nichols, G., 2009, Sedimentology and Stratigraph (2nd Edition): West Sussex, Wiley Blackwell, 432.

Palmström, A., & Singh, R., 2001, The Deformation Modulus Of Rock Masses - Comparisons Between In Situ Tests And Indirect Estimates: Tunnelling and Underground Space Technology, 115-131p.

Pemerintah Kota Banda Aceh, 2017, RPJMD Kota Banda Aceh 2017-2022: Banda Aceh, 284.

Pettijohn, F. J., Potter, P. E., & Siever, R., 1987, Sand and Sandstone (Second Edition): New York, Springer Science+Business Media, 559p.

Pettijohn, F. J., 1957, Sedimentary Rocks (second edition): New York, Harper and Brothers, 779p.

Price, D. G., 2009, Engineering Geology: Principles and Practice: Berlin, Springer, 450p.

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Pusat Studi Gempa Nasional, 2017, Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017: Jakarta, Kementerian PUPR, 16p.

Republik Indonesia, 2020. Rencana Pembangunan Jangka Menengah Nasional 2020- 2024: Jakarta, Pemerintah Republik Indonesia, 61p.

Van Bemmelen, R. W, 1949, Geology of Indonesia Vol. IA General Geology of Indonesia and Adjacent Archipelagoes: Batavia, The Hague, 732p.

Van Zuidam, R. A., 1983, Guide to Geomorphologic Aerial Photographic Interpretation & Mapping: In Archives of Ophthalmology, International Institute for Aerial Survey and Earth Sciences (ITC), 325p.

Wesley, L. D., 2017, Mekanika Tanah: Edisi Baru: Yogyakarta, ANDI, 278p.