

DAFTAR PUSTAKA

- Abdullatif, O.M., dan Cruden, D.M., 1983, The Relationship Between Rock Mass Quality and Ease of Excavation: Bulletin of the International Association of Engineering Geology - Bulletin de l'Association Internationale de Géologie de l'Ingénieur, v. 28, p. 183–187.
- Aygar, E.B., dan Gokceoglu, C., 2020, Problems encountered during a railway tunnel excavation in squeezing and swelling materials and possible engineering measures: A case study from Turkey: Sustainability, v. 12, p. 1–27.
- Bachri, S., 2014, Pengaruh Tektonik Regional Terhadap Pola Struktur dan Tektonik Pulau Jawa: Geologi dan Sumberdaya Mineral, v. 15, p. 215–221.
- Bakosurtanal, 1999, Peta Rupabumi Digital Indonesia 1:25000 Lembar 1309-131 Conggeang.
- Barton, N., 2017, Minimizing the use of concrete in tunnels and caverns: comparing NATM and NMT: Innovative Infrastructure Solutions, v. 2, p. 25–49.
- Barton, N., 1995, The influence of joint properties in modelling jointed rock masses, *pada* 8th ISRM Congress, p. 1023–1032.
- Barton, N., dan Grimstad, E., 1994, Rock mass conditions dictate choice between NMT and NATM: Tunnels & Tunnelling, v. 26, p. 39–42.
- Barton, N., Lien, R., dan Lunde, J., 1974, Engineering Classification of Rock Masses for the Design of Tunnel Support: Rock Mechanics, v. 6, p. 189–236.
- Bell, F.G., 2007, Engineering Geology: Oxford, Elsevier, 80 p.
- van Bemmelen, R.W., 1949, Geology of Indonesia Vol. IA : General Geology of Indonesia: The Hague, Netherland Government Printing Office, 732 p.
- Bieniawski, Z.T., 1989, Engineering Rock Mass Classifications: New York, Wiley Interscience, 251 p.
- Celada, B., Tardáguila, I., Varona, P., Rodríguez, A., dan Bieniawski, Z.T., 2014, Innovating Tunnel Design by an Improved Experience-based RMR System: Proceedings of the World Tunnel Congress 2014 – Tunnels for a better Life, v. 3, p. 1–9.
- Deere, D.U., 1963, Technical Description of Rock Cores.pdf: Felsmechanik und Ingenieurgeologie, v. I, p. 18–22.
- Deere, D.U., dan Deere, D.W., 1988, The Rock Quality Designation (RQD) in Practice, *in* Rock Classification Systems for Engineering Purposes, Cincinnati, ASTM, p. 91–101.
- Djuri, 1995, Peta Geologi Bersistem Jawa Lembar : Arjawinangun, 1309-1:

- Franklin, J.A., Broch, E., dan Walton, G., 1971, Logging The Mechanical Character of Rock: Transactions of the Institution of Mining and Metallurgy, Section A: Mining Technology, v. 80, p. 1–9.
- Gattinoni, P., Pizzarotti, E.M., dan Scesi, L., 2014, Engineering Geology for Underground Works: New York, Springer, 305 p.
- Grasselli, G., 2005, 3D behaviour of bolted rock joints: Experimental and numerical study: International Journal of Rock Mechanics and Mining Sciences, v. 42, p. 13–24.
- Hoek, E., 1994, Strength of Rock And Rock Masses: ISRM News Journal, v. 2, p. 4–16.
- Hoek, E., dan Brown, E.T., 2019, The Hoek–Brown Failure Criterion and GSI – 2018 edition: Journal of Rock Mechanics and Geotechnical Engineering, v. 11, p. 445–463.
- Hoek, E., Carter, T.G., dan Diederichs, M.S., 2013, Quantification of The Geological Strength Index Chart: 47th US Rock Mechanics / Geomechanics Symposium 2013, v. 3, p. 1757–1764.
- Hoek, E., Kaiser, P.K., dan Bawden, W.F., 1995, Support of Underground Excavations in Hard Rock: Mining Research Directorate, 235 p.
- Hoek, E., Wood, D., dan Shah, S., 1992, A modified Hoek-Brown failure criterion for jointed rock masses, *pada* Proceedings of the International ISRM Symposium on Rock Characterization, Chester, p. 209–213.
- Hung, C.J., Monsees, J., Munfah, N., dan Wisniewski, J., 2009, Technical Manual for Design and Construction of Road Tunnels - Civil Elements: U.S. Department of Transportation Federal Highway Administration, 702 p.
- ISRM, 1981, Basic Geotechnical Description of Rock Masses (BGD): International Journal of Rock Mechanics and Mining Sciences, v. 18, p. 87–110.
- King, E.H., dan Kuesel, T.R., 1996, Tunnel Engineering Handbook (E. H. King, T. R. Kuesel, & J. O. Bickel, Eds.): Boston, Kluwer Academic Publishers, 544 p.
- Marinos, V., 2017, A revised , geotechnical classification GSI system for tectonically disturbed heterogeneous rock masses , such as flysch: Bulletin of Engineering Geology and the Environment, v. 78, p. 899–912.
- Marinos, P., 2001, Estimating the geotechnical properties of heterogeneous rock masses such as flysch: Bulletin of Engineering Geology and the Environment, v. 60, p. 85–92.
- Marinos, P., dan Hoek, E., 2000, GSI: A geologically friendly tool for rock mass strength estimation, *pada* Proceedings of the GeoEng 2000 at the International Conference on Geotechnical and Geological Engineering,

Melbourne, p. 1422–1446.

Marinos, P., dan Marinos, V., 2007, The Geological Strength Index (GSI): A characterization tool for assessing engineering properties of rock masses, *pada* Proceedings Of The International Workshop On Rock Mass Classification In Underground Mining, US, p. 13–21.

Marinos, V., Marinos, P., dan Hoek, E., 2005, The Geological Strength Index: Applications and Limitations: Bulletin of Engineering Geology and the Environment, v. 64, p. 55–65.

NGI, 2015, Using the Q-system : Rock mass classification and support design: Oslo, Allkopi AS, 54 p.

Palmstrom, A., 2005, Measurements of and correlations between block size and rock quality designation (RQD): Tunnelling and Underground Space Technology, v. 20, p. 362–377.

Price, D.G., 2009, Engineering Geology : Principles and Practice: Berlin, Springer-Verlag, 460 p.

Pulunggono, dan Martodjojo, S., 1994, Perubahan Tektonik Paleogene-Neogene Merupakan Peristiwa Tektonik Terpenting di Jawa, *pada* Proceedings Geologi dan Geoteknik Pulau Jawa, Yogyakarta, Jurusan Teknik Geologi UGM, p. 37–50.

PUPR, 2018, Bendungan Cipanas Mulai Dibangun untuk Mengairi 9.243 Hektar Sawah di Indramayu dan Sumedang: Berita PUPR, <https://pu.go.id/berita/view/15763/bendungan-cipanas-mulai-dibangun-untuk-mengairi-9-243-hektar-sawah-di-indramayu-dan-sumedang>.

PVMBG, 2009a, Peta Zona Kerentanan Gerakan Tanah Kabupaten Indramayu Provinsi Jawa Barat.

PVMBG, 2009b, Peta Zona Kerentanan Gerakan Tanah Kabupaten Sumedang Provinsi Jawa Barat.

Sadewa, L.P., 2019, Karakteristik Geologi Teknik Pada Daerah Konstruksi Terowongan Pengelak Bendungan Cipanas, Sumedang-Indramayu, Jawa Barat: Universitas Gadjah Mada, 250 p.

Singh, B., dan Goel, R.K., 2011, Engineering Rock Mass Classification: Tunneling, Foundations, and Landslides: Oxford, Elsevier, 382 p.

Soufi, A., Bahi, L., Ouadif, L., dan Kissai, J.E., 2018, Correlation between Rock mass rating , Q-system and Rock mass index based on field data, *pada* 2nd International Congress on Materials & Structural Stability, Rabat, MATEC Web Conf., v. 149, p. 1–7.

Sutisna, J., dan Wahjono, 2013, Peta Geologi Teknik Lembar Jawa Bagian Barat.

Vásárhelyi, B., Somodi, G., Krupa, Á., dan Kovács, L., 2016, Determining the

Geological Strength Index (GSI) using different methods, *pada* Proceedings of Eurock2016 the 2016 ISRM International Symposium, Ürgüp-Nevşehir, ISRM, p. 1049–1054.

Zhan, X., Zhao, P., dan Gu, W., 2013, Comparison and analysis of different excavation methods in soft rock-extremely soft rock tunnel: Applied Mechanics and Materials, v. 256–259, p. 1201–1205.

Zhang, Q., Huang, X., Zhu, H., dan Li, J., 2019, Quantitative assessments of the correlations between rock mass rating (RMR) and geological strength index (GSI): Tunnelling and Underground Space Technology, v. 83, p. 73–81.