

## DAFTAR PUSTAKA

- Alkadri, dkk. 2022. Pengaruh Biosementasi Bakteri Terhadap Karakteristik Campuran Tanah Kohesif dan Organik. Prosiding Seminar Nasional Teknik Sipil 227-232
- ASTM D 854-14 *Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer* 1. 2014. Tersedia pada: <https://fliphtml5.com/sxjc/tcto/basic>.
- ASTM D 2216-19 *Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass* 1. 2019. Tersedia pada: [www.astm.org](http://www.astm.org).
- ASTM D 3080M-11 *Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions* 1. 2004. Tersedia pada: [www.astm.org](http://www.astm.org).
- ASTM D 6913/D6913M-17 *Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis*. 2018. United States. doi: 10.1520/D6913-17.
- ASTM D698-12 *Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft<sup>3</sup> (600 kN-m/m<sup>3</sup> ))* 1. 2012. Tersedia pada: [www.astm.org](http://www.astm.org).
- Cheng, L., Shahin, M.A., Asce, M. dan Mujah, D. 2016. *Influence of Key Environmental Conditions on Microbially Induced Cementation for Soil Stabilization*. *J. Geotech. Geoenviron. Eng.* doi: 10.1061/(ASCE).
- Coduto, D.P., Kitch, W.A. dan Yeung, M.Ronald. 2016. *Foundation design: principles and practices*. Pearson.
- Das, Braja.M. 1995. *Mekanika Tanah (Prinsip-prinsip Rekayasa Geoteknis)*. Jilid 1. Mochtar, Noor. E. dan Mochtar, Indrasurya. B. ed. Erlangga.

- Das, Braja.M. 2010. *Principles of Geotechnical Engineering, Seventh Edition*. 7th Edition. Gowans, H. dan Saundercook, N. ed. Stamford: Chris Carson.
- Garrison, A.T. dan Huigens, R.W. 2016. *Eradicating Bacterial Biofilms with Natural Products and their Inspired Analogues that Operate Through Unique Mechanisms*. *Current Topics in Medicinal Chemistry* 17(17), hlm. 1954–1964. doi: 10.2174/1568026617666161214150959.
- Hardiyatmo, H.C. 2002. *Mekanika Tanah 1*. 3 ed. Gadjah Mada University Press.
- Hashim, Z. Alzubaidi, L. Al-Madhhachi, A. 2020. *The Influence Of Microbiology On Soil Aggregation Stability*. *IOP Conference Series: Materials Science and Engineering* 870(1)
- Hasriana. Samang, L. Djide, M. Harianto, T. 2018. *A Study On Clay Soil Improvement With Bacillus Subtilis Bacteria As The Road Subbase Layer*. *International Journal of GEOMATE* 15(52) 114-120
- Holtz, R.D. dan Kovacs, W.D. 1981. *Holtz & Kovacs - An Introduction to Geotechnical Engineering*. Skrable, K. ed. New Jersey: Prentice-Hall, Inc.
- Jeong, J.H., Jo, Y.S., Park, C.S., Kang, C.H. dan So, J.S. 2017. *Biocementation of concrete pavements using microbially induced calcite precipitation*. *Journal of Microbiology and Biotechnology* 27(7), hlm. 1331–1335. doi: 10.4014/jmb.1701.01041.
- Knappett, J.A. dan Craig, R.F. 2012. *Craig's Soil Mechanics*. 8th ed. Spon Press.
- Korelasi, S., & Maburur, M. (2019). *Studi Korelasi Koefisien Permeabilitas Vertikal dan Permeabilitas Horizontal pada Tanah Lempung*.
- Kusuma, R.I., Mina, E. dan Ikhsan, I. 2016. *Tinjauan Sifat Fisis Dan Mekanis Tanah (Studi Kasus Jalan Carenang Kabupaten Serang)*. *Jurnal Fondasi* 5(2).

- Mujah, D., Cheng, L. dan Shahin, M.A. 2019. *Microstructural and Geomechanical Study on Biocemented Sand for Optimization of MICP Process*. *Journal of Materials in Civil Engineering* 31(4).  
doi: 10.1061/(asce)mt.1943-5533.0002660.
- Rochimi Setiawati, M., Suryatmana, P., Herdiyantoro, D. dan Zahra Ilmiyati. 2014. Karakteristik Pertumbuhan Dan Waktu Generasi Isolat *Azotobacter sp.* Dan Bakteri Endofitik Asal Ekosistem Lahan Sawah. *Jurnal Agroekotek* 6(1), hlm. 12–20.
- Rochmawati, R. dan Irianto. 2020. Tinjauan Sifat Fisis Dan Mekanis Tanah Untuk Menentukan Daya Dukung Tanah (Studi Kasus: Jalan Baru Kayu Batu Base-G Jayapura Sta 0+200). *INTAN Jurnal Penelitian Tambang* 3(1).
- Santosa, B., Suprpto, H. dan Suryadi, H. 1998. *Dasar Mekanika Tanah*. Gunadarma.
- Sinambela, Eleanor.A.N., Rondonuwu, Steeva.G. dan Legrans, Roski.R.I. 2023. Potensi Penggunaan *Bacillus Subtilis* Untuk Stabilisasi Tanah Bekas Tambang Emas. *TEKNO* 21, hlm. 86.
- SNI 1742:2008 Cara uji kepadatan ringan untuk tanah.
- 2008 SNI 1964:2008 Cara uji berat jenis tanah.
2008. Indonesia. SNI 1965:2008 Standar Nasional Indonesia Cara uji penentuan kadar air untuk tanah dan batuan di laboratorium.
- SNI 3423:2008 Cara uji analisis ukuran butir tanah. 2008. Indonesia.
- Wesley, L.D.. 2010. *Fundamentals of soil mechanics for sedimentary and residual soils*. Wiley.
- Whitman, W.B. 2010. *Systematic Bacteriology Second Edition Volume Four*. 2nd ed. Whitman, W. B. ed. Bergey's Manual.