

TUGAS AKHIR

DAFTAR PUSTAKA

- Andhiepsa, V. Y. D., 2016, Pengaruh Besaran Voltase Metode Elektrokinetik Terhadap Pengembangan Tanah Lempung Ekspansif, Tugas Akhir, Universitas Muhammadiyah Yogyakarta.
- ASTM D2216-10, 2010, Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass.
- ASTM D854-10, 2010, Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer.
- ASTM D4318-10, 2010, Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soil.
- ASTM D6913-04, 2010, Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis.
- ASTM D698-12, 2010, Standar Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12.400 ft-lbf/ft³ (600 kNm/m³)).
- Bell, F.G., 1996, Lime Stabilization of Clay Minerals and Soils, *Engineering Geology* 42 (4), 223–237.
- Chang, H.W., Krishna, P.G., Chien, S.C., Ou, C.Y. and Wang M.K., 2010, Electro-Osmotic Chemical Treatments: Effects of Ca²⁺ concentration on the Mechanical Strength and pH of Kaolin, *Clays and Clay Minerals*, 58 (2), 154–163.
- Gingine, V., Mohammad, W. Y., Sudheer and Krishna, P.H., 2013a, Electokinetic Treatment on Blackcotton Soil of Warangal, India, *Proceedings of Indian Geotechnical Conference*, December 1–9, 2013.
- Gingine, V., Shah, R., Rao, V. K. P., Krishna, H. P., 2013b, A review on study of Electrokinetic stabilization of expansive soil, *International Journal of Earth Sciences and Engineering*, 6 (2), 176-181.
- Hewayde, E., El Naggat, H and Khorshid, N., 2005, Reinforced Lime Columns: A New Technique for Heave Control. *Proceedings of the ICE - Ground Improvement*, 9 (2), 79–87.
- Jayasekera, S. & Mohajerani, A., 2002, Long-term Strength and Bearing Capacity Characteristics of a Basaltic Clay Soil Subjected to Landfill Leachate, *Proceedings of the International Conference on Environmental Geomechanics*, Monte Verita, Switzerland, July 2002.

- Jayasekera, S., 2007., Stabilising Volume Change Characteristics of Expansive Soils Using Electrokinetics: A Laboratory Based Investigation. *Proceedings of the Sri Lankan Geotechnical Society's First International Conference on Soil & Rock Engineering*, Colombo, Sri Lanka, August 5-11, 2007.
- Jones, C.J.F.P., Lamont-Black, J. and Glendinning, S., 2011, Electrokinetic Geosynthetics in Hydraulic Applications, *Geotextiles and Geomembranes*, 29 (4), 381–390.
- Jones, L.D., and Jefferson, I., 2012, Expansive Soils. *ICE Manual of Geotechnical Engineering*, 1, 413–441.
- Khatimah, N. K., 2017, Pengaruh Pengembangan Tanah Lempung Ekspansif Pasca Perbaikan Dengan Metode Elektrokinetik, Tugas Akhir, Universitas Muhammadiyah Yogyakarta.
- Kusuma. A., 2017, Pengaruh Lama Pemberian Arus Terhadap Pengembangan Tanah Lempung Ekspansif Dengan Metode Elektrokinetik, Tugas Akhir, Universitas Muhammadiyah Yogyakarta.
- Micic, S., Shang, J.Q. and Lo, K.Y., 2003, Electrocementation of a Marine Clay Induced by Electrokinetics, *International Journal of Offshore and Polar Engineering*, 13 (4), 308–315.
- Muntohar, A.S., 2005, Geotechnical Properties of Rice Husk Ash Enhanced Lime-stabilized Expansive Clay, *Jurnal Media Komunikasi Teknik Sipil*, 13 (3), 36-47.
- Muntohar, A.S., 2006, The Swelling of Expansive Subgrade at Wates-Purworejo Roadway, Sta.8+12, *Civil Engineering Dimension*, 8 (2), 106-110.
- Muntohar, A. S., 2009, Mekanika Tanah, Yogyakarta: LP3M UMY.
- Muntohar, A.S., 2010, A Laboratory Test on the Strength and Load-Settlement Characteristic of Improved Soft Soil Using Lime-Column, *Dinamika TEKNIK SIPIL*, 10 (3), 202-207.
- Muntohar, A.S., 2014, Prinsip-Prinsip Perbaikan Tanah, Yogyakarta: Lembaga Penelitian, Publikasi, dan Pengabdian Masyarakat (LP3M).
- Ou, C.Y., Chien, S.C. and Liu, R.H., 2015, A Study of the Effects of Electrode Spacing on the Cementation Region for Electro-Osmotic Chemical Treatment. *Applied Clay Science*, 104, 168–181.
- Rao, S.M., and Venkataswamy, B., 2002, Lime Pile Treatment of Black Cotton Soils. *Ground Improvement*, 6 (2), 85–93.
- Sheila, R., 2016. Pengaruh Kedalaman Elektroda Pada Metode Elektrokinetik Terhadap Pengembangan Tanah Lempung Ekspansif. Tugas Akhir. Universitas Muhammadiyah Yogyakarta.

Yilmaz, I., 2006, Indirect Estimation of the Swelling Percent and A New Classification of Soils Depending on Liquid Limit and Cation Exchange Capacity, *Engineering Geology*, 85, 295–301.

