DAFTAR PUSTAKA

Alcántara-Ayala, I., Arbanas, Ž., David, H., Konagai, K., Arbanas, S., Matjaž, M., Ramesh, M., Sassa, K., Sassa, S., Tang, H., & Binod, T. (2023). *Progress in Landslide Research and Technology* (Vol. 2, Issue 2).

Almuaythir, S., Zaini, M. S. I., & Hasan, M. (2025). Shear strength, compressibility, and consolidation behaviour of expansive clay soil stabilized with lime and silica fume. *Scientific Reports*, *15*(1), 1–21. https://doi.org/10.1038/s41598-025-10642-6

Aqel, R., Attom, M., El-Emam, M., & Yamin, M. (2024). Piping Stabilization of Clay Soil Using Lime. *Geosciences (Switzerland)*, *14*(5). https://doi.org/10.3390/geosciences14050122

ASTM. (2019). *ASTM D2216-19-Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass. In ASTM International*. *19*, 1–7.

Ayuningtyas, E. (2024). Analisis Permeabilitas Lapisan Tanah Atas Di Berbagai Satuan Lahan Di Subdas Binuang, Kalimantan Selatan. *Jurnal Pertanian Agroteknologi, 11 (3),* 165–174.

Aziz, R., Muhardi, M., & Putra, A. I. (2022). Perbaikan Tanah Lempung Dengan Metode Kolom Konfigurasi Segitiga Dari Campuran Fly Ash Dan Bottom Ash. *Sainstek (E-Journal)*, *10*(1), 39-50.

Badan Standardisasi Nasional. (1990). SNI 03-1968:1990. Metode Pengujian Tentang Analisis Saringan Agregat Halus dan Kasar. BSN.

Badan Standardisasi Nasional. (2008). SNI 1743:2008. Cara Uji Kepadatan Berat untuk Tanah. BSN.

Badan Standardisasi Nasional. (2008). SNI 3423:2008. Cara Uji Analisis Ukuran Butir Tanah. BSN.

Badan Standardisasi Nasional. (2008). SNI 1966:2008. Cara Uji Penentuan Batas Plastis dan Indeks Plastisitas Tanah. BSN.

Badan Standardisasi Nasional. (2008). SNI 1964:2008. Cara Uji Berat Jenis Tanah. BSN.

Badan Standardisasi Nasional. (2008). SNI 1967:2008. Cara Uji Penentuan Batas Cair Tanah. BSN.

Badan Standardisasi Nasional. (2008). SNI 3422:2008. Cara Uji Penentuan Batas Susut. BSN.

Badan Standardisasi Nasional. (2011). SNI 1971:2011. Cara Uji Kadar Air Total Agregat Dengan Pengeringan. BSN.

Badan Standardisasi Nasional. (2008). SNI 2812:2008. Cara Uji Konsolidasi Tanah Satu Dimensi. BSN.

Badan Standardisasi Nasional. (2015). SNI 4813:2015. Cara Uji Triaksial Untuk Tanah Kohesif Dalam Keadaan Tidak Terkonsolidasi dan Tidak Terdrainase (UU). BSN.

Badan Standardisasi Nasional. (1996). SNI 03-4147-1996. Spesifikasi Kapur untuk Stabilisasi Tanah. BSN.

Barman, D., & Dash, S. K. (2022). Stabilization of expansive soils using chemical additives: A review. *Journal of Rock Mechanics and Geotechnical Engineering*, *14*(4), 1319–1342. https://doi.org/10.1016/j.jrmge.2022.02.011

Budhu, M. (2010). *Soil Mechanics And Foundations (J. Weller (ed.); Third edit). John Wiley & Sons, Inc*.

Broms, B. B. (1991). Stabilization of soil with lime columns. In *Foundation engineering handbook* (pp. 833-855). Boston, MA: Springer US.

Campo, F. Pietro, Tua, C., Biganzoli, L., Pantini, S., & Grosso, M. (2021). Natural and enhanced carbonation of lime in its different applications: a review. *Environmental Technology Reviews*, *10*(1), 224–237. https://doi.org/10.1080/21622515.2021.1982023

Das, B. M. (1995). Mekanika Tanah Rekayasa Geoteknis. *Mekanika Tanah (Prinsip-Prinsip Rekayasa Geoteknik) Braja M. Das*, 1.

Das, B. M. (2010). *Principles of geotechnical engineering* (7th ed.). Cengage Learning.

Darwis, H. (2017). Dasar-dasar teknik perbaikan tanah. *Yogyakarta: Pustaka AQ*.

Darwis. (2018). *Dasar-dasar mekanika tanah. Yogyakarta: Pena Indis.*.

Departemen Pekerjaan Umum. (2007). Pedoman Bahan Konstruksi Bangunan dan Rekayasa Sipil: Perencanaan Stabilisasi Tanah Dengan Bahan Serbuk Pengikat Untuk Konstruksi Jalan. Bandung: Departemen Pekerjaan Umum.

Direktorat Jenderal Bina Marga. (2018). Spesifikasi Umum 2018. *Kementerian PUPR*, *September*, 1–199.

Firoozi, A. A., Guney Olgun, C., Firoozi, A. A., & Baghini, M. S. (2017). Fundamentals of soil stabilization. *International Journal of Geo-Engineering*, *8*(1), 26.

FHWA. (2006). Geotechnical aspects of pavements. *NHI Course No.132040*, *132040*, 598.

Guin, M., Singh, N. B., & De, A. (2025). Clay and clay minerals: A brief review from fundamentals to applications. *Materials Protection*, *66*(4), 737–763. https://doi.org/10.62638/ZasMat1138

Hardiyatmo, H. C. (2002). Mekanika Tanah 2. Yogyakarta. Gadjah Mada University Press. *Gadjah Mada University Press*, 1.

Hidayat, S., Setiawan, B., & Djarwanti, N. (2018). Stabilisasi Tanah Ekspansif Dengan Kolom Kapur, Ditinjau Terhadap Potensi Mengembang Dan Nilai Indeks Plastisitas. *Matriks Teknik Sipil*, *6*(1), 98–104. https://doi.org/10.20961/mateksi.v6i1.36601

Hussain, S., Fahim, M., Ahmed, F., & Saeed, K. (2021). Experimental evaluation of lime column as a ground improvement method in soft soils. *SN Applied Sciences*, *August*. https://doi.org/10.1007/s42452-021-04781-4

Idrus, S. T. H., Iswan, I., & Syah, A. (2021). Hubungan Sifat Sifat Fisik Tanah

Yang Dicampur Dengan Kapur Terhadap Stabilitas Tanah Lempung Pada Tanggul. *Jurnal Rekayasa Sipil Dan Desain*, *9*(2), 289–302. https://doi.org/10.23960/jrsdd.v9i2.1778

Istanto, F. D., Setiawan, B., & Djarwanti, N. (2018). Pengaruh Kolom Kapur Terhadap Potensi Mengembang Dan Peningkatan Kekuatan Tanah Ekspansif Dengan Pengaliran Dari Tanah Ke Kolom. *Matriks Teknik Sipil*, *6*(1), 143–149. https://doi.org/10.20961/mateksi.v6i1.36605

Karademir, T. (2022). Lime stabilization of clayey landfill base liners: Consolidation behavior and hydraulic properties. *Environmental Research and Technology*, *5*(1), 1–10. https://doi.org/10.35208/ert.860623

Lu, L., Li, J., Zhang, X., Li, Y., & Ma, F. (2021). *Effects of Clay Minerals and External Pressures on Imbibition in Shales*.

Matahukum. (2024). *Jalan Lingkar Timur Duri Rusak Parah DPRD Bengkalis Dan PUPR Turun Tinjau*. 1–10.

Mitchell, J., Kenichi, Soga., & Catherine, O. (2025). *Fundamentals Soil Behavior Fourth Edition.* John Wiley & Sons.

Muda, A. (2016). Aplikasi Model Sebagai Alat Uji Kepadatan Ringan Untuk Tanah di Laboratorium. *Jurnal Proteksi (Proyeksi Teknik Sipil)*, *2*(01), 104–112.

Putra, F., Roni, K., Martini, S., (2025). Changes is the Physical and Mechanical Properties of Clay Soil Due to Stabilization with Lime. *International Journal of Information Engineering and Science, 2(2),* 57–65.

Rangan, P. R., & Tumpu, M. (2024). PEMANFAATAN KAPUR HIDUP YANG DI AKTIVASI DENGAN RESIN DAMAR DAN OKSIDA BESI UNTUK MENSTABLISASI TANAH LUNAK. *Konferensi Nasional Teknik Sipil (KoNTekS)*, *2*(4).

Rimbani, V., Pranata, G., & Iskandar, A., (2022). Analisis Perbandingan Perbaikan Tanah Deep Mixing Antara Aplikasi Finite Element Dua Dimensi dengan Tiga Dimensi. Jurnal Mitra Teknik Sipil, 5(2), 415–424.

Sakr, M., El-Sawwaf, M., Azzam, W., & El-Disouky, E. (2021). Improvement of shear strength and compressibility of soft clay stabilized with lime columns. *Innovative Infrastructure Solutions*, *6*(3), 133.

Sakr, M., El-Sawwaf, M., Azzam, W. R., & El-Disouky, E. (2021). Lime columns technique for the improvement of soft clay soil. *Journal of Multidisciplinary Engineering Science Studies (JMESS)*, *7*(5), 3893-3898.

Sante, M., Khan, M. K., Cal, L., Fratalocchi, E., & Mazzieri, F. (2025). *The Combined Use of Fly Ash and Lime to Stabilize a Clayey Soil : A Sustainable and Promising Approach*. 1–17.

Sarifah, F., Tumpu, M., Trisnawati, L., Hadija, H., KM, M., Munar, A., ... & Agustian, Y. (2024). Dasar Mekanika Tanah.

Sendilvadivelu, A., Dhandapani, B., & Vijayasimhan, S. (2025). *Sustainable Stabilization of Clay Soil Using Lime and Oryza sativa -Waste-Derived Dried Solid Digestate*. 1–22.

Skempton, A. W. (1984). Selected Papers On Soil Mechanics. Thomas Telford

Limited.

Soltaninejad, S., Marandi, S. M., & B.P, N. (2023). Effects of the Types and Amounts of Clay Minerals on Durability of Lime-Stabilized Clay Soils. *Minerals*, *13*(10). https://doi.org/10.3390/min13101317

Sorsa, A., & Agon, E. (2022). Lime Stabilization of Expansive Clay Soil of Jimma Town, Ethiopia. *Civil Engineering Infrastructures Journal*, *55*(2), 211–222. https://doi.org/10.22059/CEIJ.2021.314990.1728

Utkarsh, & Jain, P. K. (2024). Enhancing the properties of swelling soils with lime, fly ash, and expanded polystyrene -A review. *Heliyon*, *10*(12), e32908. https://doi.org/10.1016/j.heliyon.2024.e32908

Zaini, M. S. I., Hasan, M., & Masri, K. A. (2023). Stabilization of kaolinitic soil using crushed tile column. *Magazine of Civil Engineering*, *123*(7), 38-53.

Zhang, Y., Ma, Y., Gu, B., Ta, X., & Wang, Q. (2020). *UNIAXIAL COMPRESSIVE STRENGTH AND FAILURE CHARACTERISTICS OF ARKOSIC SANDSTONE*. *24*(5), 2991–3000.

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