

## DAFTAR PUSTAKA

- Ahmad, H., & Sheble, A. (2024). Effects of including fully wraparound geogrid layers on the load-bearing capacity and settlement of a strip footing resting on sandy soil. *Discover Applied Sciences*, 6(3). <https://doi.org/10.1007/s42452-024-05711-w>
- Akmal, F. M., & Yakin, Y. A. (2016). *Analisis Perilaku Timbunan Tanah Pasir Menggunakan Uji Model Fisik*. 2(4).
- Ateş, B., & Şadoğlu, E. (2024). Experimental Investigation for Failure Mechanism and Bearing Capacity of Strip Footing on Soil Reinforced with Geotextile Following the Shukla's Wraparound Reinforcement Technique. *International Journal of Geosynthetics and Ground Engineering*, 10(1). <https://doi.org/10.1007/s40891-023-00514-2>
- Binamarga. (2009). *Perencanaan dan Pelaksanaan perkuatan tanah dengan geosintetik* (Issue 003). Departemen Pekerjaan umum Direktorat Jendral Bina Marga Direktorat Bina Teknik.
- Bowles, J. E. (1997a). *Foundation Analysis and Design*.
- Bowles, J. E. (1997b). Foundation Analysis and Design International Fifth Edition. In *Civil Engineering Materials*.
- Budhu, M. (2015). Soil Mechanics Fundamentals. In 1 (Ed.), *wiley Blackwell*. John Wiley & Sons, Ltd. <http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbeco.2008.06.005%0A>
- Budiman, & WTP, J. (2022). Penggunaan Abu Batu Sebagai Pengganti Sebagian Material Pasir. In *Journal of Applied Civil Engineering and Infrastructure Technology* (Vol. 3, Issue 2, pp. 40–43). Indonesian Society of Applied Science (ISAS). <https://doi.org/10.52158/jaceit.v3i2.418>
- Chatrabhuj, & Meshram, K. (2024). Use of geosynthetic materials as soil reinforcement: an alternative eco-friendly construction material. In *Discover Civil Engineering* (Vol. 1, Issue 1). Springer International Publishing. <https://doi.org/10.1007/s44290-024-00050-6>
- Das, B. (2010). *Principles of Geotechnical Engineering / B.M. Das*.
- Das, B. M., & Sobhan, K. (2016). *Principles of Geotechnical Engineering*. Cengage Learning. [https://books.google.co.id/books?id=U\\_05DQAAQBAJ](https://books.google.co.id/books?id=U_05DQAAQBAJ)
- Das, M. . (2010). *Principle of Geotechnical Engineering* (C. Learning (ed.); 7th Editio).
- Delmas, P. (Engineer), Gourc, J. P. (Jean-P., Girard, H. (Hugues), International Geosynthetics Society., & Comité français des géosynthétiques. (2002). Geosynthetics : state of the art, recent developments. *Proceedings of the Seventh International Conference on Geosynthetics*, 7, 5–34.
- El Sharief, A. M., Mohamedzein, Y. E.-A., & Hussien, Y. A. (2021). Geotechnical properties of Qoz soils. In *Geotechnics for Developing Africa* (pp. 317–320).

- CRC Press. <https://doi.org/10.1201/9781003211174-45>
- Giroud, B. J., Asce, M., & Noirayz, L. (1982). *Geotextile-Reinforced Unpaved Road Design*. 107(September 1981).
- Guo, W., Huang, Y., & Ren, Y. (2023). A simplified analysis of a configuration of geosynthetic reinforcement in GRPS embankments. *Geotextiles and Geomembranes*, 51(6), 2–16. <https://doi.org/https://doi.org/10.1016/j.geotexmem.2023.07.001>
- H. Rahardjo, T. O., R. R., & E. L. (2007). Factors Controlling Instability of Homogeneous Soil Slopes under Rainfall. *Journal of Geotechnical and Geoenvironmental Engineering*, 133(12), 1532–1543. [https://doi.org/10.1061/\(ASCE\)1090-0241\(2007\)133:12\(1532\)](https://doi.org/10.1061/(ASCE)1090-0241(2007)133:12(1532))
- Hakam, A., Febriansyah, D., Adji, B. M., & Junaidi, J. (2020). Liquefaction Mapping Procedure Development: Density And Mean Grain Size Formulations. *International Journal of GEOMATE*, 18(70), 155–161. <https://doi.org/10.21660/2020.70.5681>
- Hardiyatmo, C. H. (2019). *Mekanika Tanah 1*. Gadjah Mada University Press.
- Herwandi, H., Marsudi, M., & Aprianto, A. (2017). Pengaruh Gradasii Dan Kepadatan Relatif (Dr) Terhadap Nilai Permeabilitas Tanah Pasir. *Jurnal Mahasiswa Teknik Sipil Universitas Tanjungpura*, 4, 1–13.
- Holtz, R. D., Kovacs, W. D., & Sheahan, T. C. (2011). *An Introduction to Geotechnical Engineering*. Pearson. <https://books.google.co.id/books?id=EY7hcAACAAJ>
- Irmasanti, Isnaniati, & Farichah, H. (2020). Analisis Potensi Likuifaksi dengan Data CPT (Cone Penetration Test) Studi Kasus Proyek-X di Surabaya Pusat. *AGREGAT*, 5(1), 406–415.
- Iswrdhana, F. pramudya. (2014). *Pengaruh Lebar dan jarak pondasi ke tepi lereng terhadap daya dukung pondasi menerus pada permodelan fisik lereng pasir dengan perkuatan geotekstil*. Universitas Brawijaya.
- Juang, C. H., & Holtz, R. D. (1986). Fabric, Poore Size Distribution, And Permeability Of Sandy Soils. *J. Geotech Engineering*, 112, 855–868.
- Keba Lukueta, E., & Isobe, K. (2024). Bearing Capacity of a Shallow Foundation above the Soil with a Cavity Based on Rigid Plastic Finite Element Method. *Applied Sciences (Switzerland)*, 14(5). <https://doi.org/10.3390/app14051975>
- Ketkukah, T. S., Sule, E., Mije, F. G., & Badamasi, A. (2023). Assessment of Building Collapses in Jos Town, Plateau State Nigeria (2016-2022). *OIDA International Journal of Sustainable Development*, 16(5), 11–18.
- Koerner, R. M. (2005). *Designing with Geosynthetics* (Second Edi). Prentice Hall, New Jersey.
- Koerner, R. M. (2012). *Desigining With Geosynthetics* (6th ed.). Xlibris Publishing Co. <https://books.google.co.ls/books?id=qZtSAAAAQBAJ&printsec=copyright#v=onepage&q&f=false>
- Lambe, T. W., & Whitman, R. V. (1979). *Soil Mechanics*. Wiley. <https://books.google.co.id/books?id=CvpRAAAAMAAJ>
- Martini, M., & Cristina, V. I. (2021). Daya Dukung Tanah Pasir Dengan Perkuatan

- Geotekstil Tipe UW 150 Terhadap Variasi Lebar Fondasi dan Perkuatan. *REKONSTRUKSI TADULAKO: Civil Engineering Journal on Research and Development*, 99–106. <https://doi.org/10.22487/renstra.v2i2.261>
- Marx, D. H., Kumar, K., & Zornberg, J. G. (2023). Quantification of geogrid lateral restraint using transparent sand and deep learning-based image segmentation. *Geotextiles and Geomembranes*, 51(5), 53–69. <https://doi.org/https://doi.org/10.1016/j.geotexmem.2023.04.004>
- Mohr. (1910). *Geotechnical engineering Investigation Manual*. McGrawHill Book Co.
- Ndoj, A., Shkodrani, N., & Hajdari, V. (2014). Liquefaction-Induced Ground Deformations Evaluation Based on Cone Penetration Tests (CPT). *World Journal of Engineering and Technology*, 02(04), 249–259. <https://doi.org/10.4236/wjet.2014.24026>
- Orlando, O., & Sentosa, G. (2021). Studi Kasus Kemiringan Gedung 4 Lantai Akibat Kegagalan Fondasi Di Pangkal Pinang. *JMTS: Jurnal Mitra Teknik Sipil*, 4, 615. <https://doi.org/10.24912/jmts.v0i0.12596>
- Palmeira, E. M. (2009). Soil-geosynthetic interaction: Modelling and analysis. *Geotextiles and Geomembranes*, 27(5), 368–390. <https://doi.org/10.1016/j.geotexmem.2009.03.003>
- Qamhia, I., & Tutumluer, E. (2021). Evaluation of geosynthetics use in pavement foundation layers and their effects on design methods. *Illinois Center for Transportation Series No. 21-025*, 21.
- Rishavilenda, D. S., & Desiani, A. (2018). Perbandingan Kuat Geser Tanah Pasir Menggunakan Geotextile Woven dan Non Woven Berdasarkan Uji Direct Shear. *Jurnal Teknik Sipil*, 14(2), 137–160. <https://doi.org/10.28932/jts.v14i2.1797>
- Salih Keskin, M., & Laman, M. (2013). Model studies of bearing capacity of strip footing on sand slope. *KSCE Journal of Civil Engineering*, 17(4), 699–711. <https://doi.org/10.1007/s12205-013-0406-x>
- Shukla, S. K. (2002). *Geosynthetics and Their Applications* (S. K. Shukla (ed.)). Thomas Telford. [https://www.google.co.id/books/edition/\\_/-HHBvQEACAAJ?hl=id&kptab=overview](https://www.google.co.id/books/edition/_/-HHBvQEACAAJ?hl=id&kptab=overview)
- Simanjuntak, L. J., Yusa, M., & Fatnanta, F. (2020). Pengaruh Gradiasi dan Bentuk Butiran Pasir Terhadap Kuat Gesernya. *Jom FTEKNIK*, 7(8), 1–15.
- Soehardi, F., Hakam, A., Rendy, T., & Mera, M. (2021). The laboratory analysis for water absorption of sandy soil from three different quarry. *IOP Conference Series: Earth and Environmental Science*, 737(1), 1–7. <https://doi.org/10.1088/1755-1315/737/1/012040>
- Subramanian, N. (2009, August). Rare Foundation Failure Of a Building in Shanghai, Cina. *NBM&CW Infra Development & Contr Equipment Magazine*, August.
- Sumiyanto, Apriyono, A., & Mulyono, B. (2017). Efektifitas Geogrid Karet Ban Bekas Untuk Perkuatan Tanah Dasar Jalan Raya Pada Perubahan Muka Air Tanah. *Prosidig Seminar Nasional Dan Call Paper "Pengembangan Sumber Daya Perdesaan Dan Kearifan Lokal Berkelanjutan VII*, VII(November), 227–233.
- Tavangar, Y., & Shooshpasha, I. (2016). Experimental and Numerical Study of

Bearing Capacity and Effect of Specimen Size on Uniform Sand with Medium Density, Reinforced with Nonwoven Geotextile. *Arabian Journal for Science and Engineering*, 41(10), 4127–4137. <https://doi.org/10.1007/s13369-016-2101-y>

Tawfeeq, R. S., & Salih, B. M. M. (2025). Advanced Geogrid Reinforcement Strategies for Superior Bearing Capacity and Settlement Control in Square Shallow Foundations. 11(06), 2506–2517.

Terzaghi, K. (1943). Theoretical Soil Mechanics. In *Géotechnique*. <https://doi.org/10.1680/geot.1963.13.4.267>

Terzaghi, K., Peck, R. B., & Mesri, G. (1996). *Soil mechanics in engineering practice*. John Wiley & Sons, INC. <https://doi.org/10.1097/00010694-194911000-00029>

Wu, H., Yao, C., Li, C., Miao, M., Zhong, Y., Lu, Y., & Liu, T. (2020). Review of application and innovation of geotextiles in geotechnical engineering. *Materials*, 13(7), 1–21. <https://doi.org/10.3390/MA13071774>

Yaghoobi, B., Fathipour, H., Payan, M., & Jamshidi Chenari, R. (2024). Bearing capacity of footings on geosynthetic-reinforced soils under combined loading. *Geosynthetics International*, 31(5), 568–596. <https://doi.org/10.1680/jgein.22.00385>

Zhang, M. H., Lastra, R., & Malhotra, V. M. (1996). Rice-husk ash paste and concrete: Some aspects of hydration and the microstructure of the interfacial zone between the aggregate and paste. *Cement and Concrete Research*, 26(6), 963–977. [https://doi.org/10.1016/0008-8846\(96\)00061-0](https://doi.org/10.1016/0008-8846(96)00061-0)

Zhao, L. S., Zhou, W. H., Geng, X., Yuen, K. V., & Fatahi, B. (2019). A closed-form solution for column-supported embankments with geosynthetic reinforcement. *Geotextiles and Geomembranes*, 47(3), 389–401. <https://doi.org/10.1016/j.geotexmem.2019.01.006>