

DAFTAR PUSTAKA

- Abolins, M., & Ogden, A. (2023). Sinkhole Flooding above a Shallow Bedrock Aquitard in an Urbanizing Community, Central Tennessee, USA. *Geomorphology*, 425.
- Ali, H., & Choi, J. (2009). A Review of Underground Pipeline Leakage and Sinkhole Monitoring Methods Based on Wireless Sensor Networking. *Sustainability*, 11, 15.
- Alsaydalani, M. O. (2010). *Internal Fluidisation of Granular Material. Disertation*. Inggris: University of Southampton.
- Al-Zarah, A. I. (2007). Hydrogeochemical Processes of Alkhobar Aquifer in Eastern Region, Saudi Arabia. *Journal of Applied Science* 7, 3669-3677.
- Beck, B., & Moreaux, P. E. (2012). Soil Piping and Sinkhole Failures. *Encyclopedia of Caves*.
- Beek, V. M., Bezuijen, A., Sellmeijer, J. B., & Barends, B. J. (2014). Initiation of Backward Erosion Piping in Uniform Sands. *Geotechnique*, 64, 927-941.
- Beek, V. M., Bezuijen, A., Sellmeijer, J. B., & Barends, F. B. (2015). Developments in Modelling of Backward Erosion Piping. *Geotechnique* 65.
- Bendahmane, F., Marot, D., & Alexis, A. (2008). Experimental Parametric Study of Suffusion and Backwards Erosion. *Journal of Geotechnical and Geoenvironmental Engineering*, 134, 57-67.
- Calamak, M., & Yilmaz, M. (2018). A Review of the Anita DAM Incident: Internal Erosion Caused by a Buried Conduit and Lessons Learned. *5 International Symposium on DAM Safety*.
- Chen, C., Lei, T., Yunyun, B., Gao, X., & Yang, X. (2021). Experimental Study on Soil Erosion by Concentrated Waterflow Affected by Thawed Soil Depth. *Catena*, 207.
- Chen, J., Wang, S., Liang, Y., Wang, Y., & Luo, Y. (2015). Experimental Investigation of the Erosion Mechanisms of Piping. *Soil Mechanics and Foundation Engineering*, 52, 35.
- Cui, X. L., Chan, A., & Chapman, D. (2014). Coupled DEM-LBM Simulation of Internal Fluidisation Induced by a Leaking Pipe. *Powder Technology*, 254, 299-306.
- Das, B. M. (2006). *Principles of Geotechnical Engineering*. Canada: Thomson Canada Limited.
- Duhita, A. D., Raharjo, A. P., & Hairani. (2020). The Effect of Slope on Infiltration Capacity and Erosion of Mount Merapi Slope Materials. *Journal of the Civil Engineering Forum*, 7(1), 71-84.
- Fikrillah, R. R., & Putra, D. P. (2022). Land Subsidence Hazard Mapping in Relation with Sinkholes in Saptosari District, Gunung Kidul, Indonesia. *Earth and Environmental Science*(1071 (2022) 012004).
- Font-Capo, J., Pujades, E., Vazquez-Sune, E., Carrera, J., Velasco, V., & Montfort, D. (2015). Assessment of the Barrier Effect Caused by Underground Constructions on Porous Aquifers with Low Hydraulic Gradient: A Case Study of the Metro Construction in Barcelona, Spain. *Engineering Geology* 196, 238-250.
- Fox, G. A., Felice, R. G., Midgley, T. L., Wilson, G. V., & Al-Madhhachi, A. S. (2013). Laboratory Soil Piping and Internal Erosion Experiments: Evaluation of a Soil Piping Model for Low-Compacted Soil. *Earth Surface Processes and Landforms*, 39, 1137-1145.



- Gray, D. H., & Sotir, R. B. (1996). Biotechnical and Soil Engineering Slope Stabilization- A Practical Guide for Erosion Control. *John Willey and Sons, Inc.*
- Guo, S., Jiang, Y., Tang, Y., Cheng, H., Luo, X., Lv, Y., & Li, M. (2023). Experimental Study on the Soil Erosion Through a Defective Pipe Under the Cyclic Infiltration-Exfiltration Flow. *Transportation Geotechnics*, 42(101085).
- Hardiyatmo, H. C. (2012). Tanah Longsor dan Erosi. Yogyakarta: Universitas Gadjah Mada Press.
- Hardiyatmo, H. C. (2019). Mekanika Tanah 1. Yogyakarta: Universitas Gadjah Mada Press.
- Hardiyatmo, H. C. (2023). Pemeliharaan Jalan Raya. Yogyakarta: Pemeliharaan Jalan Raya.
- Jung, B., Ryu, D. W., & Yum, B. W. (2023). Numerical Simulation of Urban Road Collapse Induced by the Damaged Sewer Pipe and Repetitive Heavy Rainfalls. *Geosciences Journal*.
- Karoui, T., Jeong, Y. H., Jeong, Y. H., & Kim, D. S. (2018). Experimental Study of Ground Subsidence Mechanism Caused by Sewer Pipe Cracks. *Applied Science-MDPI*, 8, 679.
- Kim, K., Kim, J., Kwak, T. Y., & Chung, C. K. (2018). Logistic Regression Model for Sinkhole Susceptibility Due to Damage Sewer Pipes. *Nat Hazards*, 93, 765-785.
- Kwak, T. Y., Woo, S. I., Kim, J., & Chung, C. K. (2019). Model Test Assessment of the Generation of Underground Cavities and Ground Cave-ins by Damaged Sewer Pipes. *Soils and Foundations*, 59, 586-600.
- Mark, A., & Ogden, A. (2023). Sinkhole Flooding above a Shallow Bedrock Aquitard in an Urbanizing Community, Central Tennessee, USA. *Geomorphology*, 425.
- Moosavinasab, Z., & Saffkhani, E. (2023). Occurance of a Sinkhole in Eaj Plain, Iran: an Implication of the Combined Effect of Karstification and Reduction of Granular Reservoir in Carbonate Rocks. *Carbonates and Evaporites*, 38-49.
- Moosavinasab, Z., & Saffkhani, E. (2023). Occurance of a Sinkhole in Eaj Plain, Iran: an Implication of the Combined Effect of Karstification and Reduction of Granular Reservoir in Carbonate Rocks. *Carbonates and Evaporites*, 38-49.
- Okamura, M., Tsuyuguchi, Y., Izumi, N., & Maeda, K. (2022). Centrifuge Modeling of Scale Effect on Hydraulic Gradient of Backward Erosion Piping in Uniform Aquifer Under River Levees. *Soils and Foundations*, 62.
- Parise, M., & Gunn, J. (2007). Natural and Anthropogenic Hazards in Karst Areas: An Introduction. *The Geological Society of London*, 1-3.
- Robbins, B. A., Beek, V. M., Soto, J. F., Bartolomei, A. M., & Murphy, J. (2017). A Novel Laboratory Test for Backward Erosion Piping. *International Journal of Physical Modelling in Geotechnics*, 18(5), 266-279.
- Robbins, B. A., Sharp, M. K., & Corcoran, M. K. (n.d.). Laboratory Tests for Backward Erosion Piping. *Geotechnical Safety and Risk*.
- Sail, Y., Marot, D., Sibille, L., & Alexis, A. (2011). Suffusion Tests on Cohesionless Granular Matter (Experimental Study). *European Journal of Environmental and Civil Engineering*, 15(5), 799-817.
- Shah, A. R., & Goldscheider, N. (2018). Karst Geomorphology, Cave Development, and Hydrogeology in the Kashmir Valley, Western Himalaya, India. *Acta Carsologica*.
- Tang, Y., Zhu, D. Z., & Chan, D. H. (2017). Experimental Study on Submerged Sand Erosion through a Slot on a Defective Pipe. *Journal of Hydraullic Engineering*, 143(9).



- Tang, Y., Zhu, D. Z., & Chan, D. H. (2018). Modeling Soil Loss by Water Infiltration through Sewer Pipe Defects. *World Environmental and Water Resources Congress* .
- Tang, Y., Zhu, D. Z., Chan, D. H., & Zhang, S. (2022). Physical and analytical modeling of soil loss caused by a defective sewer pipe with different defect locations. *Geotechnica*, 18, 2639-2659.
- Tang, Z., Song, L., Jin, D., Chen, L., Qin, G., Wang, Y., & Guo, L. (2023). An Engineering Case History of the Prevention and Remediation of Sinkholes Induced by Limestone Quarrying. *Sustainability*, 15.
- Tian, Z., Yao, Q., Zhang, S., & Qiao, N. (2022). Experimental Study on Levee Failure due to the Damage of Pressure less Culvert Pipe. *International Conference on Mechanics and Civil Engineering*.
- Vandenboer, K., Celette, F., & Bezuijen, A. (2019). The Effect of Sudden Critical and Supercritical Hydraulic Loads on Backward Erosion Piping: Small-Scale Experiments. *Acta Geotechnica*, 14, 783-794.
- Wang, S., Chen, J. S., He, H. Q., & He, W. Z. (2016). Experimental Study on Piping in Sandy Gravel Foundations Considering Effect of Overlying Clay. *Water Science and Engineering*, 9(2), 165-171.
- Wilopo, W., Putra, D. P., Fathani, T. F., Widodo, S., Pratama, G. N., Nugroho, M. S., & Prihadi, W. R. (2022). Identification of Subsidence Hazard Zone by Integrating Engineering Geological Mapping and Electrical Resistivity Tomography in Gunung Kidul Karst Area, Indonesia. *Journal of Degraded and Mining Lands Management*.
- Zhang, S., Bao, T., & Liu, C. (2023). Model Tests and Numerical Modeling of the Failure Behavior of Composite Strata Caused by Tunneling Under Pipeline Leakage Conditions. *Engineering Failure Analysis*, 149.