DAFTAR PUSTAKA

Abed, M., Peethambaran, B., Leshchinsky, B., 2024. Evaluating Transient Drawdown and Slope Stabilization from Horizontal Drain Installation. Comput. Geotech. 167. https://doi.org/10.1016/j.compgeo.2023.106044

Abramson, L.W.., 2002. Slope Stability and Stabilization Methods, 2 ed. John Wiley & Sons, Inc, New York.

Alcántara-Ayala, I., Arbanas, Ž., Huntley, D., Konagai, K., Mihalić, S., Matjaž, A., Maneesha, M., Ramesh, V., Sassa, K., Sassa, S., Tang, H., Tiwari, B., 2023. Progress in Landslide Research and Technology Volume 2 Issue 2, 2023, Progress in Landslide Research and Technology.

Amarasinghe, M.P., Kulathilaka, S.A.S., Robert, D.J., Zhou, A., Jayathissa, H.A.G., 2024. Risk Assessment and Management of Rainfall-Induced Landslides in Tropical Regions: A Review. Natural Hazards. https://doi.org/10.1007/s11069-023-06277-3

Arya, I.W., Wiraga, I.W., Suryanegara, I.G.A.G., 2018. Effect of Cement Injection on Sandy Soil Slope Stability, Case Study: Slope in Petang District, Badung Regency, dalam: Journal of Physics: Conference Series. Institute of Physics Publishing. https://doi.org/10.1088/1742-6596/953/1/012103

Badan Meteorologi, K. dan G., 2023. Standar Operasional Prosedur (SOP) Nomor SOP/025/KB/VIII/2023 tentang Penyediaan dan Penyebarluasan Peringatan Dini Cuaca Ekstrem Sesaat (Nowcasting) 1 (Satu)–3 (Tiga) Jam ke Depan di Lingkungan Badan Meteorologi, Klimatologi, dan Geofisika. Jakarta.

Badan Standardisasi Nasional, 2017. Persyaratan Perancangan Geoteknik (SNI 8460:2017). Jakarta.

Bowles, J.E., 1996. Foundation Analysis and Design. McGraw-Hill Companies, Inc, Singapore.

Broms, B.B., 1975. Landslides, in Foundation Engineering Handbook, 2 ed. Chapman & Hall, New York.

Chatra, A.S., Dodagoudar, G.R., Maji, V.B., 2019. Numerical Modelling of Rainfall Effects on the Stability of Soil Slopes. International Journal of Geotechnical Engineering 13, 425–437. https://doi.org/10.1080/19386362.2017.1359912

Chuaiwate, P., Jaritngam, S., Panedpojaman, P., Konkong, N., 2022. Probabilistic Analysis of Slope against Uncertain Soil Parameters. Sustainability (Switzerland) 14. https://doi.org/10.3390/su142114530

Cruden, D.M., Varnes, D.J., 1992. Landslide Types and Processes, Landslides Investigation and Mitigation. Transportation Research Board, National Academy of Sciences Chapter 3.

Das, B.M., 2010. Principles of Geotechnical Engineering, 7 ed. Cengage Learning, Stamford, CT.

Diara, I.W., Suyarto, R., Saifulloh, M., 2022. Spatial Distribution of Landslide Susceptibility in New Road Construction Mengwitani–Singaraja, Bali–Indonesia: Based on Geospatial

Analisis Stabilitas dan Perancangan Perkuatan Lereng Jalan Akibat Hujan Ekstrem Menggunakan Analisis
Balik dan Pendekatan FEM-MPM (Studi Kasus: Ruas Jalan Bts. Kota Singaraja - Mengwitani KM 59+600)
MUHAMMAD SYUKRI HARIANDA, Prof. Ir. Suryo Hapsoro Tri Utomo, Ph.D., IPU., ASEAN.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Data. International Journal of GEOMATE 23, 95–103. https://doi.org/10.21660/2022.96.3320

Dikshit, A., Sarkar, R., Pradhan, B., Segoni, S., Alamri, A.M., 2020. Rainfall Induced Landslide Studies in Indian Himalayan Region: A Critical Review. Applied Sciences (Switzerland) 10. https://doi.org/10.3390/app10072466

Duncan, J.M.., Wright, S.G.., Brandon, T.L.., 2014. Soil Strength and Slope Stability, 2 ed. John Wiley & Sons Inc., New Jersey.

Dunn, I.S.., Anderson, L.R.., Kiefer, F.W.., 1980. Fundamentals of Geotechnical Analysis. Wiley.

Fadilah, S., Luknanto, D., 2020. Effects of Heavy Rainfall on the Slope Stability – A Case Study on Imogiri Cemetery: The Graveyard Complex of Mataram Royal Kings, dalam: E3S Web of Conferences. EDP Sciences. https://doi.org/10.1051/e3sconf/202020002006

Feng, K., Wang, G., Huang, D., Jin, F., 2021. Material point method for large-deformation modeling of coseismic landslide and liquefaction-induced dam failure. Soil Dynamics and Earthquake Engineering 150. https://doi.org/10.1016/j.soildyn.2021.106907

Fredlund, D.G.., Rahardjo, H.., 1993. Soil Mechanics for Unsaturated Soils. John Wiley & Sons, Inc. https://doi.org/10.1002/9780470172759

Genevois, R., Tecca, P.R., Genevois, C., 2022. Mitigation Measures of Debris Flow and Landslide Risk Carried Out in Two Mountain Areas of North-Eastern Italy. J. Mt. Sci. 19, 1808–1822. https://doi.org/10.1007/s11629-021-7212-6

Gu, X., Song, L., Xia, X., Yu, C., 2024. Finite Element Method–Peridynamics Coupled Analysis of Slope Stability Affected by Rainfall Erosion. Water (Switzerland) 16. https://doi.org/10.3390/w16152210

Gumbel, E.J.., 1958. Statistics of Extremes. Columbia University Press.

Hara, F., Rochim, A., 2025. Studi Metode Perkuatan Lereng Menggunakan Soil Nailing dan Shotcrete (Studi Kasus: Lereng Off Ramp Karawang Barat pada Ruas Jalan Tol Jakarta-Cikampek), Journal Scientific of Mandalika (jsm) e-ISSN. https://doi.org/10.36312/10.36312/vol6iss5pp1454-1465

Hardiyatmo, H.C., 2012. Tanah Longsor dan Erosi: Kejadian dan Penanganan. Gadjah Mada University Press, Yogyakarta.

Hardiyatmo, H.C., 1992. Mekanika Tanah 1. PT Gramedia Pustaka Utama, Yogyakarta.

Innocenti, A., Pazzi, V., Borselli, L., Nocentini, M., Lombardi, L., Gigli, G., Fanti, R., 2023. Reconstruction of the Evolution Phases of a Landslide by Using Multi-Layer Back-Analysis Methods. Landslides 20, 189–207. https://doi.org/10.1007/s10346-022-01971-y

Lamessa, G., Meten, M., 2021. Stability Analysis of Rock Slope Along Selected Road Sections from Gutane Migiru Town to Fincha Sugar Factory, Oromiya, Ethiopia. SN Appl. Sci. 3. https://doi.org/10.1007/s42452-020-04026-w

Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Li, X., Ishikawa A, T., Zhu, Y., 2024. Estimation of Landslide During Heavy Rainfall Based on FEM-MPM Model, dalam: IOP Conference Series: Earth and Environmental Science. Institute of Physics. https://doi.org/10.1088/1755-1315/1334/1/012009

Liu, S., Du, J., Yin, K., Zhou, C., Huang, C., Jiang, J., Yu, J., 2024. Regional Early Warning Model for Rainfall-Induced Landslide Based on Slope Unit in Chongqing, China. Eng. Geol. 333. https://doi.org/10.1016/j.enggeo.2024.107464

Look, B.G.., 2007. Handbook of Geotechnical Investigation and Design Tables: Second Edition. Taylor & Francis / Balkema, London.

Lu, M., Ceccato, F., Zhou, M., Yerro, A., Zhang, J., 2024. Evaluating the Exceedance Probability of the Runout Distance of Rainfall-Induced Landslides Using a Two-Stage FEM-MPM Approach. Acta Geotech. 19, 3691–3706. https://doi.org/10.1007/s11440-023-02160-4

Marwane, H., Mohamed, E.H., Mohammed, M., Bensaid, M., Kamal, B., Mohammed, A., Morabit, A., 2025. Soil Nailing for Slope Stabilization: An Overview. Interactions 246. https://doi.org/10.1007/s10751-024-02234-z

Peck, R.B.., Hanson, W.Edmund., Thornburn, T.H.., 1974. Foundation Engineering, 2nd Edition, 2 ed. John Wiley & Sons, Inc, New York.

Prapanca Wardhani, D., Hariyanto, T., Bioresita, F., 2022. Utilization of Geographic Information Systems in Determining Alternative Paths to Avoid Landslide-Prone Areas (Case Study: Pesisir Selatan Regency, West Sumatera) 18, 159–167.

Rana, H., Sivakumar Babu, G.L., 2024. Probabilistic Back Analysis for Rainfall-Induced Slope Failure Using MLS-SVR and Bayesian Analysis. Georisk 18, 107–120. https://doi.org/10.1080/17499518.2022.2084555

Rifai, A.I., Bhakti, S.K., Handayani, S., 2023. The Case Study of Using Geotextiles-Reinforced Structure to Repair Mountain Road Landslide in Toraja–Indonesia. Civil Engineering and Architecture 11, 3826–3836. https://doi.org/10.13189/cea.2023.110642

Sarah, D., Zulfahmi, Z., Putra, M.H.Z., Madiutomo, N., Gunawan, G., Sumaryadi, S., Ahmid, D.A., 2024. Back Analysis of Rainfall-Induced Landslide in Cimanggung District of Sumedang Regency in West Java Using Deterministic and Probabilistic Analyses. Geosciences (Switzerland) 14. https://doi.org/10.3390/geosciences14120347

Sari, P.T.K., Mochtar, I.B., 2023. The Influence of Global Climate Change on Rainfall Intensity and Slope Stability in Tulakan Village, Pacitan, dalam: Swasto, D.F., Rahmi, D.H., Rahmawati, Y., Hidayati, I., Al-Faraby, J., Widita, A. (Ed.), Proceedings of the 6th International Conference on Indonesian Architecture and Planning (ICIAP 2022). Springer Nature Singapore, Singapore, hlm. 469–478.

Sasangka, D.J., 2021. Rock Slope Stability Evaluation on the Construction of New Road Shortcut 4 Border City of Singaraja–Mangwitani, Bali, dalam: IOP Conference Series: Earth and Environmental Science. IOP Publishing Ltd. https://doi.org/10.1088/1755-1315/940/1/012006

Siddique, T., Khan, E.A., 2019. Stability Appraisal of Road Cut Slopes Along a Strategic Transportation Route in the Himalayas, Uttarakhand, India. SN Appl. Sci. 1. https://doi.org/10.1007/s42452-019-0433-4

Sim, M.L., Ling, F.N.L., Edmaisya, A.F., 2024. Analytical Study on Effect of Groundwater Table and Rainfall Infiltration on the Stability and Performance of Muar Trial Embankment by Using PLAXIS 2D, dalam: IOP Conference Series: Earth and Environmental Science. Institute of Physics. https://doi.org/10.1088/1755-1315/1347/1/012061

Skempton, A.W., 1969. The Consolidation of Clays by Gravitational Compaction. Quarterly Journal of the Geological Society of London 125, 373–408. https://doi.org/10.1144/GSL.JGS.1969.125.01.17

Skempton, A.W., Hutchinson, J., 1969. Stability of Natural Slopes and Embankment Foundations. Proc. 7 Int. Conf. Soil Mech. And Found. Eng. State of the Art Volume, Mexico 291–340.

Skempton, A.W., Northey, R.D., 1952. The Sensitivity of Clays. Géotechnique 3, 30–53. https://doi.org/10.1680/geot.1952.3.1.30

Soewarno, 1995. Hidrologi : Aplikasi Metode Statistik untuk Analisa Data, 1 ed. Nova, Bandung.

Sordo, B., Rathje, E., Kumar, K., 2024. Sequential Hybrid Finite Element and Material Point Method to Simulate Slope Failures. Comput. Geotech. 173. https://doi.org/10.1016/j.compgeo.2024.106525

Sorensen, K.K., Okkels, N., 2013. Correlation Between Drained Shear Strength and Plasticity Index of Undisturbed Overconsolidated Clays, dalam: Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering. Presses des Ponts, Paris.

Sugianti, K., Yunarto, Sadisun, I.A., Kartiko, R.D., 2022. Analysis of Maximum Rainfall Infiltration Induced Slope Stability Using the Transient Rainfall Infi ltration and Grid-based Regional Slope-stability Model in Cililin, West Java, Indonesia. Indonesian Journal on Geoscience 9, 263–278. https://doi.org/10.17014/IJOG.9.2.263-278

Terzaghi, K., Peck, R.B., 1996. Soil Mechanics in Engineering Practice, 2nd Edition. ed. John Wiley & Sons.

Triatmodjo, B., 2008. Hidrologi Terapan, Cet. 1. ed. Beta Offset, Yogyakarta.

Troncone, A., Pugliese, L., Conte, E., 2020. Run-Out Simulation of a Landslide Triggered by an Increase in the Groundwater Level Using the Material Point Method. Water (Switzerland) 12. https://doi.org/10.3390/w12102817

Wang, J.H., Xu, W.J., Liu, X.X., 2024. A Slope Stability Analysis Method Considering the Rainfall Hydrology Process. Eng. Geol. 343. https://doi.org/10.1016/j.enggeo.2024.107775

Xu, F., Chen, H., Zhang, W., Wang, B., 2024. Versatile Coupling of MPM and FEM: A Case Study of the Stability of Vegetated Slope. Comput. Geotech. 170. https://doi.org/10.1016/j.compgeo.2024.106300

Yudianto, A.M., Lastiasih, Y., Taufik, R., Ismawanto, I., 2022. Analisis Deformasi Lereng dengan Perkuatan Soil Nailing pada Proyek Pembangunan Jalan Baru Batas Kota Singaraja-Mengwitani. Jurnal Aplikasi Teknik Sipil 20, 376.

Zai, D., Pang, R., Zhou, Y., Liu, J., 2025. A Two-Phase Coupled FEM-MPM Framework for Large Deformation Analysis of Slopes Considering Multiple Influencing Factors. Eng. Anal. Bound. Elem. 176. https://doi.org/10.1016/j.enganabound.2025.106242

Zayadi, R., Putri, C.A., Irfan, M.N., Kusuma, Z., Leksono, A.S., Yanuwiadi, B., 2022. Soil Reinforcement Modelling on a Hilly Slope with Vegetation of Five Species in the Area Prone to Landslide in Malang, Indonesia. Environmental Research, Engineering and Management 78, 56–72. https://doi.org/10.5755/j01.erem.78.3.30670

Zheng, Y., Li, Jinhui, Zhu, T., Li, Junru, 2025. Experimental and MPM Modelling of Widened Levee Failure Under the Combined Effect of Heavy Rainfall and High Riverine Water Levels. Comput. Geotech. 184. https://doi.org/10.1016/j.compgeo.2025.107259

Zhu, Y., Ishikawa, T., Zhang, Y., Nguyen, B.T., Subramanian, S.S., 2022. A FEM-MPM Hybrid Coupled Framework Based on Local Shear Strength Method for Simulating Rainfall/Runoff-Induced Landslide Runout. Landslides 19, 2021–2032. https://doi.org/10.1007/s10346-022-01849-z

Zou, Z., Lu, S., Wang, F., Tang, H., Hu, X., Tan, Q., Yuan, Y., 2020. Application of Well Drainage on Treating Seepage-Induced Reservoir Landslides. Int. J. Environ. Res. Public Health 17, 1–20. https://doi.org/10.3390/ijerph17176030