

DAFTAR PUSTAKA

- Adinugroho, M. M. (2024). *Karakteristik Geologi Teknik Dan Respon Kegempaan Pada Trase Jalan Tol Solo-Yogya-Yia Seksi Iii Kecamatan Kokap Kabupaten Kulon Progo Daerah Istimewa Yogyakarta* (Doctoral dissertation, Universitas Gadjah Mada).
- Adzima, A. F., Setiawan, M. A., & Mardiatno, D. (2020, March). Classification of anthropogenic landforms in the rural area: study case Bompon catchment, Central Java. In *IOP Conference Series: Earth and Environmental Science* (Vol. 451, No. 1, p. 012039). IOP Publishing.
- Arif, I. (2016). *Geoteknik Tambang*. Jakarta: PT. Gramedia Pustaka Utama. ISBN: 978-602-03-2735-8
- Badan Litbang Pertanian. (2022). *Degradasi Lahan Pertanian Akibat Bencana Geologi*. Bogor: Kementerian Pertanian.
- BNPB (Badan Nasional Penanggulangan Bencana). (2021). *Laporan Kajian Risiko Bencana Indonesia 2021*. Jakarta: BNPB.
- Bordoni, M., Cislighi, A., Vercesi, A., Bischetti, G. B., & Meisina, C. (2020). Effects of plant roots on soil shear strength and shallow landslide proneness in an area of northern Italian Apennines. *Bulletin of Engineering Geology and the Environment*, 79(7), 3361-3381.
- Borrelli, P., Robinson, D. A., Panagos, P., Lugato, E., Yang, J. E., Alewell, C., ... & Ballabio, C. (2020). Land use and climate change impacts on global soil erosion by water (2015-2070). *Proceedings of the National Academy of Sciences*, 117(36), 21994-22001.
- Bowles, J. E. (1981). *Physical and geotechnical properties of soils*. Kosaido Printing
- Bronto, S., Hartono, G., & Astuti, B. (2009). Geologi Gunungapi Sumbing, Jawa Tengah: Implikasinya terhadap Bahaya Erupsi. *Jurnal Geologi Indonesia*, 4(3), 189-202.
- Budianto, Y., & Sartohadi, J. (2016). Keterdapatan sensitive clay pada lokasi longsorlahan di DAS Bompon, Kabupaten Magelang, Jawa Tengah. *Jurnal Bumi Indonesia*, 5(4), 228799.
- Burton, P. J., Jentsch, A., & Walker, L. R. (2020). The ecology of disturbance interactions. *BioScience*, 70(10), 854-870.
- Çellek, A. (2025). *A review of geological and triggering factors influencing landslide susceptibility: Artificial intelligence-based trends in mapping and prediction. Environmental Science and Pollution Research*. Springer Nature
- Chen, J., Xiao, H., Li, Z., Liu, C., Wang, D., Wang, L., & Tang, C. (2019). Threshold effects of vegetation coverage on soil erosion control in small watersheds of the red soil hilly region in China. *Ecological Engineering*, 132, 109-114.
- Chen, B., Liu, C., & Liu, Y. (2023). Analysis of slope stability with different vegetation types under rainfall. *Forests*, 14(9), 1764.
- Chen, W. F. (Ed.). (2013). *Limit analysis and soil plasticity*. Elsevier.

- Chok, Y. H., Jaksa, M. B., Kaggwa, W. S., & Griffiths, D. V. (2015). Assessing the influence of root reinforcement on slope stability by finite elements. *International Journal of Geo-Engineering*, 6(1), 12.
- Ciampalini, A., Raspini, F., Frodella, W., Bardi, F., Bianchini, S., & Moretti, S. (2016). The effectiveness of high-resolution LiDAR data combined with PSInSAR data in landslide study. *Landslides*, 13(2), 399-410.
- Cohen, D., Schwarz, M., & Or, D. (2011). Root-reinforcement dynamics in fibrous soils following vegetation removal. *Journal of Geophysical Research: Earth Surface*, 116(F2)
- Cui, Y. J., Ferrari, A., Gallipoli, D., Jommi, C., Laloui, L., Pirone, M., ... & Wheeler, S. (2004). Unsaturated soil mechanics. *International Society of Soil Mechanics and Geotechnical Engineering*, 2004.
- Dai, F. C., & Lee, C. F. (2002). Landslide characteristics and slope instability modeling using GIS, Lantau Island, Hong Kong. *Geomorphology*, 42(3-4), 213-228.
- Dangerfield, S. F. (2013). *The effects of sediment loading on morphology and flood risk in a lowland river system* (Doctoral dissertation, University of Nottingham).
- Das, B. M. (2010). *Principles of Geotechnical Engineering* (7th ed.). Cengage Learning.
- DiBiagio, A., Bischetti, G. B., & Schwarz, M. (2024). State-of-the-art: parametrization of hydrological and mechanical effects of vegetation on slope stability. *Land Degradation & Development*.
- Dixon, N., Smith, A., & Pietz, M. (2022). A community-operated landslide early warning approach: Myanmar case study. *Geoenvironmental Disasters*, 9(1), 18.
- Duncan, J. M., & Wright, S. G. (2005). *Soil Strength and Slope Stability*. John Wiley & Sons.
- Duncan, J.M., Wright, S.G., & Brandon, T.L. (2014). *Soil Strength and Slope Stability* (2nd ed.). John Wiley & So
- Effendi, A. M., Ariyoga, N. M., & Rizkianto, Y. (2018). Kontrol Struktur Terhadap Persebaran Batuan Pada Daerah Pegunungan Menoreh, Borobudur, Magelang Jawa Tengah. *Proceeding, Seminar Nasional Kebumihan Ke-11 Perspektif Ilmu Kebumihan Dalam Kajian Bencana Geologi Di Indonesia* (pp. 5-6).
- England, P., & Jackson, J. (1989). Active deformation of the continents. *Annual review of earth and planetary sciences. Volume 17 (A89-51245 22-46)*.
- Fan, C., Li, S., Xiong, Z., & Zhang, L. (2020). Effects of grass root density on slope stability under simulated rainfall. *Journal of Hydrology*, 589, 125358.
- Fan, X., Xu, Q., & Scaringi, G. (2018). "Failure mechanism and kinematics of the deadly June 24th 2017 Xinmo landslide, Maoxian, Sichuan, China." *Engineering Geology*, 236, 119-131.
- Fredlund, D. G., & Rahardjo, H. (1993). *Soil Mechanics for Unsaturated Soils*. John Wiley & Sons.
- Gariano, S. L., & Guzzetti, F. (2016). Landslides in a changing climate. *Earth-science reviews*, 162, 227-252.

- Genet, M., Stokes, A., Fourcaud, T., & Norris, J. E. (2010). The influence of plant diversity on slope stability in a moist evergreen deciduous forest. *Ecological Engineering*, 36(3), 276-284.
- Geertsema, M., Highland, L., & Vaugeouis, L. (2009). *Environmental impact of landslides. Landslides-disaster risk reduction*, 589-607.
- Ghestem, M., Sidle, R. C., & Stokes, A. (2011). The influence of plant root systems on subsurface flow: Implications for slope stability. *BioScience*, 61(11), 869-879.
- Giadrossich, F., Schwarz, M., Cohen, D., & Preti, F. (2017). Mechanical interactions between vegetation and soil in slope stability. *Earth-Science Reviews*, 171*, 140-150
- Glade, T. (2003). Landslide occurrence as a response to land use change: a review of evidence from New Zealand. *Catena*, 51(3-4), 297-314.
- Glade, T., & Crozier, M. J. (2005). The nature of landslide hazard impact. *Landslide hazard and risk*, 41-74.
- Greenwood, J.R., Holt, D.A., & Herrick, G.W. (2004). The influence of soil properties on slope stability. *Ground Engineering*, 37(6), 34-38.
- Gulam, V., Pollak, D., Bostjančić, I., & Frangen, T. (2026). *Defining the geological units susceptible to landslides in Pannonian Croatia using energy relief index. Bulletin of Engineering Geology and the Environment*, 84(4), 1-21.
- Gobin, A., Govers, G., Jones, R., Kirkby, M., Kosmas, C., & Gentile, A. R. (2003). *Assessment and reporting on soil erosion*. European Environment Agency, Technical Report, 94, 103
- Gobinath, R., Ganapathy, G. P., Gayathiri, E., Salunkhe, A. A., & Pourghasemi, H. R. (2022). *Ecoengineering practices for soil degradation protection of vulnerable hill slopes. Computers in earth and environmental sciences* (pp. 255-270). Elsevier.
- Greco, R., Marino, P., & Bogaard, T. A. (2023). Recent advancements of landslide hydrology. *Wiley Interdisciplinary Reviews: Water*, 10(6), e1675.
- Greenwood, J. R., Norris, J. E., & Wint, J. (2004). Assessing the contribution of vegetation to slope stability. *Proceedings of the Institution of Civil Engineers – Geotechnical Engineering*, 157(4), 199–207.
- Hao, L., Xu, Q., van Westen, C., Sajinkumar, K. S., Zhao, K., Xiu, D., ... & Chen, W. (2026). The impact of irrigated agriculture on landslide activity: A spatio-temporal analysis in Heifangtai, China. *Catena*, 252, 108844.
- Highland, L. M., & Bobrowsky, P. (2008). *The landslide handbook-A guide to understanding landslides* (No. 1325). US Geological Survey.
- Huang, X., Xian, T., Long, T., He, L., Donald, M. L., Deng, D., & Dong, T. (2024). Impacts of vegetation restoration strategies on soil nutrients and stoichiometry of the earthquake-induced landslides in Jiuzhaigou, eastern Qinghai-Tibet Plateau. *Frontiers in Environmental Science*, 11, 1296187.

- Hungr, O., Leroueil, S., & Picarelli, L. (2014). *The Varnes Classification of Landslide Types, An Update. Landslides*, 11(2), 167–194.
- Intrieri, E., Gigli, G., Casagli, N., & Nadim, F. (2013). Brief communication" Landslide Early Warning System: toolbox and general concepts". *Natural hazards and earth system sciences*, 13(1), 85-90.
- Intrieri, E., Dotta, G., Raspini, F., Rosi, A., Segoni, S., & Casagli, N. (2020). Early warning systems in Italy: State-of-the-art and future trends. In *Workshop on World Landslide Forum* (pp. 537-543). Cham: Springer International Publishing.
- Isneni, A. N., Putranto, T. T., & Trisnawati, D. (2020). Analisis sebaran daerah rawan longsor menggunakan remote sensing dan Analytical Hierarchy Process (AHP) di Kabupaten Magelang Provinsi Jawa Tengah. *Jurnal Geosains dan Teknologi*, 3(3), 149-160.
- Iverson, R.M. (2000). Landslide triggering by rain infiltration. *Water Resources Research*, 36(7), 1897–1910
- Indrajaya, Y., Yuwati, T. W., Lestari, S., Winarno, B., Narendra, B. H., Nugroho, H. Y. S. H., & Mendham, D. (2022). Tropical forest landscape restoration in Indonesia: A review. *Land*, 11(3), 328.
- Jakob, M., & Hungr, O. (2005). *Debris-flow Hazards and Related Phenomena*. Springer.
- Jones, J. I., Murphy, J. F., Collins, A. L., Sear, D. A., Naden, P. S., & Armitage, P. D. (2012). The impact of fine sediment on macro-invertebrates. *River research and applications*, 28(8), 1055-1071.
- Julien, P.Y. (2010). *Erosion and Sedimentation*. Cambridge University Press.
- Karnawati, D. (2001). Longsor di Indonesia, Penyebab dan Upaya Mitigasinya. *Prosiding Stadium General Pencegahan dan Pengangan Bahaya Longsor, Prosiding Kumpulan Makalah, KMTS UGM, Yogyakarta*.
- Karnawati, D. (2005). Bencana alam gerakan massa tanah di Indonesia dan upaya penanggulangannya. *Jurusan Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta*.
- Karnawati, D. (2007). Mekanisme longsor batuan akibat gempabumi; Tinjauan dan analisis geologi teknik. *Jurnal Dinamika Teknik Sipil*, 7(2), 179-190.
- Kementerian ESDM. (2019). *Evaluasi Risiko Geologi Pasca-Longsor*. Jakarta: Kementerian ESDM.)
- Kemp, P., Sear, D., Collins, A., Naden, P., & Jones, I. (2011). The impacts of fine sediment on riverine fish. *Hydrological processes*, 25(11), 1800-1821.
- Khan, I., Afayou, A., Abbas, N., Khan, A., Alam, N., & Sultan Shah, K. (2024). Enhanced Geo-technical Methods for Evaluating Slope Stability in Unconsolidated Strata: A Comprehensive Analysis. *Journal of Mining and Environment*, 15(3), 991-1010.
- KLHK. (2020). *Laporan Pemantauan Pencemaran Lingkungan Pascabencana Longsor*. Jakarta: Kementerian Lingkungan Hidup dan Kehutanan.

- Kone, S., Berthé, Y., Traoré, D. Y., & El Ghastalany, R. (2026). Analysis by Numerical Simulation of the Geotechnical Behavior of mining Slopes under the Influence of the Variations of the Geometric and Mechanical Parameters of the Bench using RocScience (Slide Module Version 6.020): Case of an Open-Pit Mine. *Journal of Geoscience and Environment Protection*, 13(2), 275-298.
- Korup, O. (2005). Geomorphic hazard assessment of landslide dams in South Westland, New Zealand: fundamental problems and approaches. *Geomorphology*, 66(1-4), 167-188.
- Korup, O., Clague, J. J., Hermanns, R. L., Hewitt, K., Strom, A. L., & Weidinger, J. T. (2007). Giant landslides, topography, and erosion. *Earth and Planetary Science Letters*, 261(3-4), 578-589.
- Kuang, J., Ge, L., Ng, A. H. M., Clark, S. R., Karimzadeh, S., Matsuoka, M., ... & Zhang, Q. (2024). Monitoring slope stabilization of a reactivated landslide in the Three Gorges Reservoir Region (China) with multi-source satellite SAR and optical datasets. *Landslides*, 21(9), 2227-2247.
- Kumar, P. (2024). Social and Economic Impact in the Landslide Prone Zones and Related Policies. In *Landslides in the Himalayan Region: Risk Assessment and Mitigation Strategy for Sustainable Management* (pp. 499-529). Singapore: Springer Nature Singapore.
- Kurniawan, A., & Sadali, M. I. (2018). *Keistimewaan Lingkungan Daerah Istimewa Yogyakarta*. UGM PRESS.
- Kurniawan, D., Nurmalasari, S., Prasetyo, M. C., & Sari, D. N. (2024). Optimalisasi GIS dalam Penentuan Jalur Evakuasi di Daerah Rawan Longsor Kecamatan Gumelar Kabupaten Banyumas. *Proceedings Series on Social Sciences & Humanities*, 16, 27-32.
- Lakitan, B. (2002). *Dasar Dasar Klimatologi*. PT. Raja Grafindo Persada. Jakarta
- Lann, T., Bao, H., Lan, H., Zheng, H., Yan, C., & Peng, J. (2024). Hydro-mechanical effects of vegetation on slope stability: A review. *Science of the Total Environment*, 926, 171691.
- Lembaga Ilmu Pengetahuan Indonesia. (2021). *Dampak Longsor terhadap Biodiversitas di Ekosistem Pegunungan*. Jakarta: Lembaga Ilmu Pengetahuan Indonesia.
- Li, C. (2024). *Augmentation and Use of WRF-Hydro to Predict Rainfall-Triggered Landslide Susceptibility at Regional Scales* (Doctoral dissertation, Northwestern University).
- Li, C., Zhang, R., Zhu, J., Lu, B., Wang, X., Xu, F., ... & Cai, W. (2024). Model Test Study on Response of Weathered Rock Slope to Rainfall Infiltration under Different Conditions. *Journal of Earth Science*, 35(4), 1316-1333.
- Löbmann, M. T., Geitner, C., Wellstein, C., & Zerbe, S. (2020). The influence of herbaceous vegetation on slope stability—a review. *Earth-Science Reviews*, 209, 103328.

- López-Tarazón, J. A., Batalla, R. J., Vericat, D., & Francke, T. (2012). The sediment budget of a highly dynamic mesoscale catchment: the River Isábena. *Geomorphology*, 138(1), 15-28.
- Lu, N., & Likos, W. J. (2004). *Unsaturated soil mechanics*, John Wiley&Sons. Inc., Hoboken, USA.
- Mammoliti, E., Fronzi, D., Palpacelli, S., Biagiola, N., & Tazioli, A. (2023). Assessment of urban landslide groundwater characteristics and origin using artificial tracers, hydro-chemical and stable isotope approaches. *Environmental Earth Sciences*, 82(9), 211.
- Marfai, M. A., (2015). Landslide Hazard Assessment in Banjarnegara, Indonesia. *Journal of Mountain Science*, 12(2), 456–469.
- Marzini, L., Meisina, C., & Bischetti, G. B. (2023). Influence of root reinforcement on shallow landslide distribution: Insights from field data. *Geosciences*, 13(7), 189.
- Masi, E. B., Segoni, S., & Tofani, V. (2021). Root reinforcement in slope stability models: a review. *Geosciences*, 11(5), 212.
- McColl, S. T. (2022). *Landslide causes and triggers. Landslide hazards, risks, and disasters* (pp. 13-41). Elsevier.
- Mikkelsen, P. E. (2003). *Advances in Inclinator Data Analysis. Proceedings of the 6th International Symposium on Field Measurements in Geomechanics*.
- Minmahddun, A. (2024). Analisis Stabilitas Lereng dengan Perkuatan Bronjong Menggunakan Metode Keseimbangan Batas (Studi Kasus: Ruas Jalan Batas Kab. Muna-Kab. Buton Utara). *Media Konstruksi: Jurnal Ilmiah Teknik Sipil*, 9(1), 11-20.
- Moran, E. F. (2011). *Environmental social science: human-environment interactions and sustainability*. John Wiley & Sons
- Mukhlisin, M., & Khiyon, K. N. (2018). The effects of cracking on slope stability. *Journal of the geological society of India*, 91(6), 704-710.
- Nabilah, Z., Azri, N. I., Handoyo, M. S. S., & Hasibuan, A. (2024). Analisis Implementasi Tanggap Darurat Bencana Untuk Menunjang Business Continuity Perusahaan Manufaktur. *Gudang Jurnal Multidisiplin Ilmu*, 2(6), 111-114.
- Niemeijer, D., & De Groot, R. S. (2008). A conceptual framework for selecting environmental indicator sets. *Ecological indicators*, 8(1), 14-25.
- Nong, R., Wan, Y., Ding, Y., Chai, M., & Zhu, L. (2023). Effects of root systems on crack formation: Experiments, modeling, and analyses. *Soil and Tillage Research*, 233, 105784.
- Norris, J. E., Stokes, A., Mickovski, S. B., Cammeraat, E., van Beek, R., & Nicoll, B. C. (2008). *Slope Stability and Erosion Control: Ecotechnological Solutions*. Springer.

- Orem, C. A., & Pelletier, J. D. (2016). The predominance of post-wildfire erosion in the long-term denudation of the Valles Caldera, New Mexico. *Journal of Geophysical Research: Earth Surface*, 121(5), 843-864.
- Paronuzzi, P., & Bolla, A. (2023). *Rainfall infiltration and slope stability of alpine colluvial terraces subject to storms (NE Italy)*. *Engineering Geology*, 323, 107199.
- Parven, A., Pal, I., Witayangkurn, A., Pramanik, M., Nagai, M., Miyazaki, H., & Wuthisakkaroon, C. (2022). Impacts of disaster and land-use change on food security and adaptation: Evidence from the delta community in Bangladesh. *International Journal of Disaster Risk Reduction*, 78, 103119.
- Petley, D. N. (2004). *The Evolution of Slope Failures: Mechanisms of Rupture Propagation*. *Natural Hazards and Earth System Sciences*, 4(1), 147-152.
- Perera, E. N. C., Jayawardana, D. T., Jayasinghe, P., Bandara, R. M. S., & Alahakoon, N. (2018). Direct impacts of landslides on socio-economic systems: a case study from Aranayake, Sri Lanka. *Geoenvironmental Disasters*, 5(1), 11.
- Pfeiffer, J., Zieher, T., Schmieder, J., Bogaard, T., Rutzinger, M., & Spötl, C. (2022). Spatial assessment of probable recharge areas—investigating the hydrogeological controls of an active deep-seated gravitational slope deformation. *Natural Hazards and Earth System Sciences*, 22(7), 2219-2237.
- Poesen, J. (2018). Soil erosion in the Anthropocene: Research needs. *Earth surface processes and landforms*, 43(1), 64-84.
- Popescu, M. E., & Sasahara, K. (2009). *Engineering measures for landslide disaster mitigation*. *Landslides—Disaster risk reduction*, 609-631.
- Preti, F., Schwarz, M., & Giadrossich, F. (2010). Root reinforcement and slope bioengineering stabilization by Spanish Broom (*Spartium junceum* L.). *Hydrology and Earth System Sciences*, 14(8), 1713-1726.
- Pusat Vulkanologi & Mitigasi Bencana Geologi. (2020). *Panduan Mitigasi Bencana Gerakan Tanah*. Bandung: PVMBG
- Rahardjo, W., & Sukandarrumidi, R. H. (1995). *Geological map sheet Yogyakarta*. Jawa, Bandung.
- Rahardjo, H., Hritzuk, K. J., Leong, E. C., & Rezaur, R. B. (2003). Effectiveness of horizontal drains for slope stability. *Engineering Geology*, 69(3-4), 295-308.
- Rahardjo, H., Ong, B. H., Rezaur, R. B., & Leong, E. C. (2010). Factors controlling instability of homogeneous soil slopes under rainfall. *Journal of Geotechnical and Geoenvironmental Engineering*, 133(12), 1532-1543.
- Rahardjo, H., Ong, B. H., Rezaur, R. B., & Leong, E. C. (2010). Role of pore-water pressure in residual shear strength of unsaturated soils. *Journal of Geotechnical and Geoenvironmental Engineering*, 136(2), 262-265.
- Rahardjo, H., Satyanaga, A., & Leong, E. C. (2012). Unsaturated soil mechanics for slope stabilization. *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, 43(1), 48-58.

- Rajan, K. C., Aryal, M., Sharma, K., Bhandary, N. P., Pokhrel, R., & Acharya, I. P. (2026). *Development of a framework for the prediction of slope stability using machine learning paradigms. Natural Hazards*, 121(1), 83-107.
- Ranjan, R., & Mishra, A. (2023). Climate change impact on streamflow and suspended sediment load in the flood-prone river basin. *Journal of Water and Climate Change*, 14(7), 2260-2276.
- Reubens, B., Poesen, J., Danjon, F., Geudens, G., & Muys, B. (2007). The role of fine and coarse roots in shallow slope stability and soil erosion control with a focus on root system architecture: a review. *Trees*, 21(4), 385-402.
- Rizal, S., Syaibana, P. L. D., Wahono, F., Wulandari, L. T., & Agustin, M. E. (2022). Analisis Sifat Fisika Tanah Ditinjau dari Penggunaan Lahan di Kecamatan Ngajum, Kabupaten Malang. *JPIG (Jurnal Pendidikan dan Ilmu Geografi)*, 7(2), 158-167.
- Schwarz, M., Lehmann, P., & Or, D. (2010). Quantifying lateral root reinforcement in steep slopes from a bundle of roots to a stand of trees. *Ecohydrology*, 3(2), 213-223.
- Salehpour Jam, A., Mosaffaie, J., & Tabatabaei, M. R. 2021. *Assessment of comprehensiveness of soil conservation measures using the DPSIR framework. Environmental Monitoring and Assessment*, 193(1), 42.
- Samodra, G., Ramadhan, M. F., Sartohadi, J., Setiawan, M. A., Christanto, N., & Sukmawijaya, A. (2020). *Characterization of displacement and internal structure of landslides from multitemporal UAV and ERT imaging. Landslides*, 17(10), 2455-2468.
- Samodra, G. (2022). Simulasi Morfodinamika Longsor Kalisari, Kabupaten Magelang Berdasarkan Data LiDAR dan Model Numerik. *Jurnal Lingkungan dan Bencana Geologi*, 13(2).
- Shu, H., Ma, J., Guo, J., Qi, S., Guo, Z., & Zhang, P. (2020). Effects of rainfall on surface environment and morphological characteristics in the Loess Plateau. *Environmental Science and Pollution Research*, 27(30), 37455-37467.
- Sidle, R., & Ochiai, H. (2006). Processes, prediction, and land use. *Water resources monograph. American Geophysical Union, Washington*, 525.
- Sidle, R. C., & Bogaard, T. A. (2016). "Dynamic earth system and ecological controls of rainfall-initiated landslides." *Earth-Science Reviews*, 159, 275-291.
- Simon, A., & Collison, A. J. C. (2002). Quantifying the mechanical and hydrologic effects of riparian vegetation on streambank stability. *Earth Surface Processes and Landforms*, 27(5), 527-546.
- Syafei, R. J., & Dewi, A. P. S. (2026). *Buku Saku Pengantar Geoslope*. Penerbit Widina.
- Slocombe, D. S. (1993). Environmental planning, ecosystem science, and ecosystem approaches for integrating environment and development. *Environmental management*, 17, 289-303.

- Spegel, E., & Ek, K. (2022). Valuing the impacts of landslides: a choice experiment approach. *Economics of Disasters and Climate Change*, 6(1), 163-181.
- Spiker, E. C., & Gori, P. L. (2003). *National Landslide Hazards Mitigation Strategy*. USGS Open-File Report 03-145.
- Stokes, A., Norris, J. E., Van Beek, L. P. H., Bogaard, T., Cammeraat, E., Mickovski, S. B., ... & Fourcaud, T. (2008). How vegetation reinforces soil on slopes. In *Slope stability and erosion control: ecotechnological solutions* (pp. 65-118). Dordrecht: Springer Netherlands.
- Stokes, A., Douglas, G. B., Fourcaud, T., Giadrossich, F., Gillies, C., Hubble, T., Kim, J. H., Loades, K., Mao, Z., McIvor, I. R., Mickovski, S. B., Mitchell, S., Osman, N., Phillips, C., Poesen, J., Polster, D., Preti, F., Raymond, P., Rey, F., & Schwarz, M. (2014). Ecological mitigation of hillslope instability: Ten key issues facing researchers and practitioners. *Plant and Soil*, 377, 1-23.
- Stokes, A., Sotir, R., Chen, W., & Ghestem, M. (2014). *Eco- and ground bio-engineering: The use of vegetation to improve slope stability*. Springer
- Tohari, A., Nishigaki, M., & Komatsu, M. (2007). Laboratory rainfall-induced slope failure with moisture content measurement. *Journal of Geotechnical and Geoenvironmental Engineering*, 133(5), 575-587.
- Tohari, A., Wibawa, S., Koizumi, K., Oda, K., & Komatsu, M. (2021). *Effectiveness of siphon drainage method for landslide stabilization in a tropical volcanic hillslope: a case study of Cibitung Landslide, West Java, Indonesia*. *Bulletin of Engineering Geology and the Environment*, 80, 2101-2116.
- Tscherning, K., Helming, K., Krippner, B., Sieber, S., & y Paloma, S. G. (2012). Does research applying the DPSIR framework support decision making?. *Land use policy*, 29(1), 102-110.
- UNDRR. (2019). *Global Assessment Report on Disaster Risk Reduction 2019*. Geneva: United Nations Office for Disaster Risk Reduction.
- USDA. (2017). *Soil Texture Calculator*. Natural Resources Conservation Service.
- Van Bemmelen, R.W. (1949). *The Geology of Indonesia*. Government Printing Office.
- Van Westen, C. J., Castellanos, E., & Kuriakose, S. L. (2008). Spatial data for landslide susceptibility, hazard, and vulnerability assessment: An overview. *Engineering Geology*, 102(3-4), 112-131.
- Van Zuidam, R. A. (1985). *Aerial photo-interpretation in terrain analysis and geomorphologic mapping*. Smith Publisher.
- Varnes, D. J. (1978). *Slope movement types and processes*. *Special report*, 176, 11-33.
- Veder, C. (2012). *Landslides and their stabilization*. Springer Science & Business Media.
- Wahyudi, D., Hadi, P., & Setiawan, A. (2018). Analisis Stabilitas Lereng di Kawasan Rawan Longsor, Kabupaten Magelang. *Jurnal Teknik Geologi*, 12(2), 45-56.
- Walker, L. R., & Shiels, A. B. (2012). *Landslide ecology*. Cambridge University Press.

- Wasowski, J., & Bovenga, F. (2014). *Investigating Landslides with Spaceborne Synthetic Aperture Radar (SAR) Interferometry. Engineering Geology*, 174, 103–138
- White, T., & Provenzale, A. (2024). *Bedrock, Regolith, and Soil Continuum: Pedogenic Perspectives and Factors Controlling Spatial Distribution of Soils. Critical Zone and Ecosystem Dynamics*, 149.
- Winarti, W., Sukiyah, E., Syafri, I., & Nur, A. A. (2021). Kontak Formasi Nanggulan dan Andesit Tua di G. Mujil, Kulon Progo-Yogyakarta. *Kurvatek*, 6(1), 117-124.
- Wubalem, A. (2021). *Landslide inventory, susceptibility, hazard and risk mapping. Landslides*, 164-181.
- Wu, L., Huang, R., & Li, X. (2020). *Hydro-mechanical analysis of rainfall-induced landslides* (pp. 1-235). Beijing, China: Springer.
- Wu, D., Wang, Y., Zhang, F., & Qiu, Y. (2021). Influences of Pore-Water Pressure on Slope Stability considering Strength Nonlinearity. *Advances in Civil Engineering*, 2021(1), 8823899.
- Xia, C. A., Zhang, J. Q., Wang, H., & Jian, W. B. (2026). Global Sensitivity Analysis of Slope Stability Considering Effective Rainfall with Analytical Solutions. *Water* (20734441), 17(2).
- Yudina, A. V., Fomin, D. S., Kotelnikova, A. D., & Milanovskii, E. Y. (2018). *From the notion of elementary soil particle to the particle-size and microaggregate-size distribution analyses: A review. Eurasian soil science*, 51, 1326-1347.
- Yousefi, S., Imaizumi, F., Hasui, R., Nishii, R., & Hayakawa, Y. S. (2026). *Quantitative analysis of landslide impact on vegetation: Insights from field surveys and UAV imagery. Ecological Engineering*, 214, 107581.
- Zakaria, Z. (2009). *Analisis kestabilan lereng tanah*. Program Studi Teknik Geologi Fakultas Teknik Geologi. Universitas Padjajaran. Bandung.
- Zeng, Y., Zhang, Y., Hu, W., Chen, M., Hu, Q., Liu, X., & Zhu, X. (2024). A case study on soil slope landslide failure and parameter analysis of influencing factors for safety factor based on strength reduction method and orthogonal experimental design. *PloS one*, 19(5), e0300586.
- Zhang, C., Jiang, G., Su, L., & Lei, D. (2019). Mechanical characteristics of soil reinforced by vegetation roots under shear stress. *Landslides*, 16(4), 763-775.
- Zhang, S., Zhang, L., & Peng, M. (2019). Landslide susceptibility mapping using statistical index and certainty factor models. *Engineering Geology*, 257, 105295.
- Zhang, S., Zhang, L., & Peng, M. (2019) Slope stability analysis under vegetation-induced cracking conditions. *Landslides*, 16(4), 763-775.
- Zhang, W., Ji, J., Gao, Y., Li, X., & Zhang, C. (2020). Spatial variability effect of internal friction angle on the post-failure behavior of landslides using a random and non-Newtonian fluid based SPH method. *Geoscience Frontiers*, 11(4), 1107-1121.