

## DAFTAR PUSTAKA

- Abe, K., & Ziemer, R. (1991). Effect of Tree Roots on Shallow-Seated Landslides. Proceedings of the IUFRO Technical Session on Geomorphic Hazards in Managed Forests.
- Akgun, A., Dag, S., Bulut, F. (2008). Landslide susceptibility mapping for a landslide-prone area (Findikli, NE of Turkey) by likelihood-frequency ratio and weighted linear combination models. *Environ. Geol.* 54, 1127–1143
- Asdak, C. (2003). Faktor Hutan, Geomorfologi, dan Anomali Iklim pada Bencana Longsor di Hulu DAS Cimanuk. Prosiding Semiloka Mitigasi Bencana Longsor Di Kabupaten arut. Pemerintah Kabupaten Garut.
- Arsyad, S. (2006). Konservasi Tanah dan Air. Institut Pertanian Bogor Press, Bogor.
- Arsyad, S. (2010). Konservasi Tanah dan Air. Bogor: IPB Press.
- Alcántara-Ayala, I., Esteban-Chávez, O., & Parrot, J. F. (2006). Landsliding related to land-cover change: A diachronic analysis of hillslope instability distribution in the Sierra Norte, Puebla, Mexico. *Catena*, 65(2), 152–165. <https://doi.org/10.1016/j.catena.2005.11.006>
- Berhane, G., Kebede, M., Alfarah, N., Hagos, E., Grum, B., Giday, A., & Abera, T. (2020a). Journal of African Earth Sciences Landslide susceptibility zonation mapping using GIS-based frequency ratio model with multi-class spatial data-sets in the Adwa-Adigrat mountain chains, northern Ethiopia. *Journal of African Earth Sciences*, 164(September 2019), 103795. <https://doi.org/10.1016/j.jafrearsci.2020.103795>
- Berhane, G., Kebede, M., Alfarah, N., Hagos, E., Grum, B., Giday, A., & Abera, T. (2020b). Landslide susceptibility zonation mapping using GIS-based frequency ratio model with multi-class spatial data-sets in the Adwa-Adigrat mountain chains, northern Ethiopia. *Journal of African Earth Sciences*, 164(February), 103795. <https://doi.org/10.1016/j.jafrearsci.2020.103795>
- Berhane, G., Kebede, M., Alfarah, N., Hagos, E., Grum, B., Giday, A., & Abera, T. (2020c). Landslide susceptibility zonation mapping using GIS-based frequency ratio model with multi-class spatial data-sets in the Adwa-Adigrat mountain chains, northern Ethiopia. *Journal of African Earth Sciences*, 164(September 2019), 103795. <https://doi.org/10.1016/j.jafrearsci.2020.103795>
- Bruschi, V. M., Bonachea, J., Remondo, J., Gómez-Arozamena, J., Rivas, V., Barbieri, M., Capocchi, S., Soldati, M., & Cendrero, A. (2013). Land management versus natural factors in land instability: Some examples in northern Spain. *Environmental Management*, 52(2), 398–416. <https://doi.org/10.1007/s00267-013-0108-7>
- Chen, W., Pourghasemi, H. R., Panahi, M., Kornejady, A., Wang, J., Xie, X., &

- Cao, S. (2017). Spatial prediction of landslide susceptibility using an adaptive neuro-fuzzy inference system combined with frequency ratio, generalized additive model, and support vector machine techniques. *Geomorphology*, 297, 69–85. <https://doi.org/10.1016/j.geomorph.2017.09.007>
- Cruden, D. M., & Varnes, D. J. (1996). Landslide types and processes. *Special Report - National Research Council, Transportation Research Board*, 247(February), 36–75.
- Dehnavi, A., Aghdam, I. N., Pradhan, B., & Morshed Varzandeh, M. H. (2015). A new hybrid model using step-wise weight assessment ratio analysis (SWARA) technique and adaptive neuro-fuzzy inference system (ANFIS) for regional landslide hazard assessment in Iran. *Catena*, 135, 122–148. <https://doi.org/10.1016/j.catena.2015.07.020>
- Efiong, J., Eni, D. I., Obiefuna, J. N., & Etu, S. J. (2021). Geospatial Modelling of Landslide Susceptibility in Cross River State of Nigeria. *Scientific African*, 14, e01032. <https://doi.org/10.1016/j.sciaf.2021.e01032>
- Eisenbeiss, H. (2008). The Autonomous Mini Helicopter: A Powerful Platform for Mobile Mapping. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XXXVII(B1), 977–984.
- Fitrianingrum, M. E. (2018). Zonasi Rawan Longsor Di Desa Pagerharjo Kecamatan Samigaluh Kabupaten Kulonprogo Yogyakarta. *Jurnal Geografi Gea*, 18(2), 181. <https://doi.org/10.17509/gea.v18i2.8481>
- Highland, L. M. (2008). Introduction The Landslide Handbook-A Guide to Understanding Landslides. *The Landslide Handbook - A Guide to Understanding Landslides*, 4–42. <http://landslides.usgs.gov/>
- Hong, H., Chen, W., Xu, C., Youssef, A. M., Pradhan, B., & Tien Bui, D. (2017). Rainfall-induced landslide susceptibility assessment at the Chongren area (China) using frequency ratio, certainty factor, and index of entropy. *Geocarto International*, 32(2), 139–154. <https://doi.org/10.1080/10106049.2015.1130086>
- Javier, D. N., & Kumar, L. (2019). Frequency ratio landslide susceptibility estimation in a tropical mountain region. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3/W8), 173–179. <https://doi.org/10.5194/isprs-archives-XLII-3-W8-173-2019>
- Lee, S., & Pradhan, B. (2006). Probabilistic landslide hazards and risk mapping on Penang Island, Malaysia. *Journal of Earth System Science*, 115(6), 661–672. <https://doi.org/10.1007/s12040-006-0004-0>
- Mersha, T., & Meten, M. (2020). GIS-based landslide susceptibility mapping and assessment using bivariate statistical methods in Simada area, northwestern Ethiopia. *Geoenvironmental Disasters*, 7(1). <https://doi.org/10.1186/s40677-020-00155-x>

- Mugagga, F., Kakembo, V., & Buyinza, M. (2012). Land use changes on the slopes of Mount Elgon and the implications for the occurrence of landslides. *Catena*, 90, 39–46. <https://doi.org/10.1016/j.catena.2011.11.004>
- Naseer, S., Haq, T. U., Khan, A., Tanoli, J. I., Khan, N. G., Qaiser, F., Tallataf, S., & Shah, H. (2021). GIS - based spatial landslide distribution analysis of district. *Natural Hazards*, 106(1), 965–989. <https://doi.org/10.1007/s11069-021-04502-5>
- Ngadisih, Samodra, G., Bhandary, N. P., & Yatabe, R. (2017). Landslide inventory: Challenge for landslide hazard assessment in Indonesia. In *GIS Landslide*. [https://doi.org/10.1007/978-4-431-54391-6\\_8](https://doi.org/10.1007/978-4-431-54391-6_8)
- Pisano, L., Zumpano, V., Malek, Roskopf, C. M., & Parise, M. (2017). Variations in the susceptibility to landslides, as a consequence of land cover changes: A look to the past, and another towards the future. *Science of the Total Environment*, 601–602, 1147–1159. <https://doi.org/10.1016/j.scitotenv.2017.05.231>
- Priyono, K. D., & Sartohadi, J. (n.d.). *Tipologi pedogeomorfik longsorlahan di pegunungan menoreh kabupaten kulonprogo daerah istimewa yogyakarta. 1*, 67–84.
- Rahardjo, W., Sukandarrumidi dan Rosidi, HMD., 1995, Peta Geologi Lembar Yogyakarta, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Ramadhan, R., Widiatmaka, W., & Sudadi, U. (2016). Land Use Change and Spatial Utilization in Landslide Vulnerable Regions of Banjarnegara Regency, Central Java. *Journal of Natural Resources and Environmental Management*, 6(2), 159–167. <https://doi.org/10.19081/jpsl.2016.6.2.159>
- Rogers, J. D., & Chung, J. won. (2016). Mapping earthflows and earthflow complexes using topographic indicators. *Engineering Geology*, 208, 206–213. <https://doi.org/10.1016/j.enggeo.2016.04.025>
- Samodra, G., Chen, G., Sartohadi, J., & Kasama, K. (2018). Generating landslide inventory by participatory mapping: an example in Purwosari Area, Yogyakarta, Java. *Geomorphology*, 306, 306–313. <https://doi.org/10.1016/j.geomorph.2015.07.035>
- Saragih, B. F., Prasetyo, Y., & Sasmito, B. (2013). Analisis Akurasi Ketelitian Vertikal Menggunakan Foto Udara Hasil Pemotretan Pesawat Tanpa Awak untuk Pembentukan Digital Terrain Model (DTM). *Jurnal Geodesi Undip Oktober 2015*, 2(04), 57–71.
- Tian, Y., Xu, C., Chen, J., Zhou, Q., & Shen, L. (2017). Geometrical characteristics of earthquake-induced landslides and correlations with control factors: a case study of the 2013 Minxian, Gansu, China, Mw 5.9 event. *Landslides*, 14(6), 1915–1927. <https://doi.org/10.1007/s10346-017-0835-6>
- Wubalem, A. (2021). Landslide susceptibility mapping using statistical methods in Uatzau catchment area, northwestern Ethiopia. *Geoenvironmental Disasters*,

8(1). <https://doi.org/10.1186/s40677-020-00170-y>

Yan, F., Zhang, Q., Ye, S., & Ren, B. (2019). A novel hybrid approach for landslide susceptibility mapping integrating analytical hierarchy process and normalized frequency ratio methods with the cloud model. *Geomorphology*, 327, 170–187. <https://doi.org/10.1016/j.geomorph.2018.10.024>

Zhou, C., Yin, K., Cao, Y., Ahmed, B., Li, Y., Catani, F., & Reza, H. (2018). Computers and Geosciences Landslide susceptibility modeling applying machine learning methods : A case study from Longju in the Three Gorges Reservoir area , China. *Computers and Geosciences*, 112(April 2017), 23–37. <https://doi.org/10.1016/j.cageo.2017.11.019>