

DAFTAR PUSTAKA

- Aisyah, V. N., Nurcholis, M., & Mulyanto, D. (2023). *Morfologi dan klasifikasi tanah pada formasi Peniron bahan induk andesit piroksen di Desa Pagedongan, Banjarnegara*. Jurnal Tanah dan Sumberdaya Lahan, 10(1), 125–133.
- 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. *Environmental Geology*, 54, 1127–1143. <https://doi.org/10.1007/s00254-007-0882-8>
- Anwar, F. (2012). *Konservasi tanah dan air*. Jakarta: Bumi Aksara.
- Arrisaldi, T., Radityo, D., Atmojo, H. T., & Ekasara, A. R. (2022). Pemetaan Kerawanan Fisik Longsor Kecamatan Petungkriyono Dengan Metode Pembobotan Peraturan Menteri Pekerjaan Umum No. 22/PRT/M/2007. *Jurnal Ilmiah Geomatika*, 2(2), 55-69.
- Asikin, S. (1974). *Evolusi Geologi Jawa Tengah dan Sekitarnya Ditinjau dari Segi Teori Tektonik Dunia yang Baru* (Disertasi doktoral, ITB, tidak dipublikasikan).
- Asikin, S., Harsolumakso, A. A., Busono, H., & Gafoer, S. (1992). *Geologic map of Kebumen Quadrangle, Java, scale 1:100,000*. Geological Research and Development Centre, Bandung.
- Asikin, S., & Suyoto. (1994). *IPA post convention field trip, Banyumas Basin, Central Java*. Field trip Guide Book, 31 hlm.
- Atmadilaga, S. (2014). *Pengantar sistem informasi geografis*. Bandung: Institut Teknologi Bandung.
- Badan Penanggulangan Bencana Daerah Kebumen. (2024). *Data kejadian bencana tanah longsor di Kabupaten Kebumen tahun 2024*. Kebumen: BPBD Kabupaten Kebumen.
- BAPPEDA Kebumen. (2018). *Profil pembangunan daerah Kabupaten Kebumen tahun 2021*. Kebumen.
- Barker, R. W. (1960). Taxonomic notes on the species figured by H. D. Hedberg (1937) in the Venezuelan Tertiary Foraminifera. *Cushman Foundation for*

Foraminiferal Research, Special Publication No. 5.

- Bekkar, M., Djemaa, H. K., & Alitouche, T. A. (2010). *Evaluation measures for models assessment over imbalanced data sets*. Journal of Information Engineering and Applications, 3(10), 27–38.
- Blow, W. H. (1969). Late Middle Eocene to recent planktonic foraminiferal biostratigraphy. In *Proceedings of the First International Conference on Planktonic Microfossils, Geneva, 1967* (Vol. 1, pp. 199–422).
- Burden, R. L., & Faires, J. D. (2011). *Numerical analysis* (9th ed.). Boston, MA: Brooks/Cole Cengage Learning.
- Cruden, D. M., & Varnes, D. J. (1996). Landslide types and processes. In A. K. Turner & R. L. Schuster (Eds.), *Landslides: Investigation and mitigation* (pp. 36–75). Washington, D.C.: Transportation Research Board, National Research Council.
- Delmonaco, G., Margottini, C., Canuti, P., Spizzichino, D., & Casagli, N. (2003). Large-scale debris-flow hazard assessment and mitigation in volcanic areas: the Vesuvius case study. *Natural Hazards and Earth System Sciences*, 3(5), 435–447. <https://doi.org/10.5194/nhess-3-435-2003>
- Duncan, J. M., & Wright, S. G. (2005). *Soil strength and slope stability*. Hoboken, NJ: John Wiley & Sons.
- Erzagian, E., Wilopo, W., & Fathani, T. F. (2023). Landslide susceptibility zonation using GIS-based frequency ratio approach in the Kulon Progo Mountains Area, Indonesia. In *Progress in Landslide Research and Technology, Volume 2 Issue 2, 2023* (pp. 115-126). Cham: Springer Nature Switzerland.
- F. Masykur. (2014). Implementasi sistem informasi geografis menggunakan Google Maps API dalam pemetaan asal mahasiswa. *Jurnal Simetris*, 5.
- Google. (2023). *How often does Google update Maps?* Google Maps Platform FAQ. Retrieved from <https://support.google.com/maps/answer/6320846?hl=en>
- Guzzetti, F., Carrara, A., Cardinali, M., & Reichenbach, P. (2006). Landslide hazard evaluation: A review of current techniques and their application in a multi-scale study. *Geomorphology*, 31(1–4), 181–216.

- Hadiyansyah, D. (2005). *Karakteristik struktur Formasi Karangsambung Daerah Karangsambung dan sekitarnya, Kecamatan Karangsambung-Karanggayam, Kabupaten Kebumen, Provinsi Jawa Tengah* (Skripsi, ITB, Bandung).
- Hall, R., & Morley, C. K. (2004). Sundaland basins. In P. Clift, W. Kuhnt, P. Wang, & D. Hayes (Eds.), *Continent-ocean interactions within East Asian marginal seas* (Geophysical Monograph Series, Vol. 149, pp. 55–85). American Geophysical Union. <https://doi.org/10.1029/149GM04>
- Hamilton, W. (1979). *Tectonics of the Indonesian region* (U.S. Geological Survey Professional Paper 1078). Washington, D.C.: United States Government Printing Office.
- Hanifudin, F., Arief, L. N., & Hana, S. F. (2024). Analisis pengaruh perubahan tutupan lahan terhadap ancaman bencana longsor dengan menggunakan sistem informasi geografis (Studi kasus: Kabupaten Kebumen). *Jurnal Geosains dan Teknologi*.
- Hardiyatmo, H. C. (2006). *Tanah longsor dan erosi: Kejadian dan penanganan*. Yogyakarta: Gadjah Mada University Press.
- Harloff, Ch. E. A. (1933). *Toelichting bij blad Banjarnegara, geologische kaart van Java, 1:100.000*. Dienst van den Mijnbouw, Ned. Ind.
- Harsolumakso, A. H., & Dardji, N. (1996). Deformasi pada Formasi Karangsambung di daerah Luk Ulo, Kebumen, Jawa Tengah. *Buletin Geologi*, 26(1).
- Harsolumakso, A. H., Sapiie, B., Tuakia, Z., & Yudha, R. I. (2016). Luk Ulo melange complex, Central Java, Indonesia; Characteristics, origin and tectonic significance. *Department of Geology, Institut Teknologi Bandung*.
- Hehanussa, P. E. (1973). Sedimentology and stratigraphy of the Penosogan Formation, Central Java. *Bulletin of the Geological Research and Development Centre*, 6, 1–18.
- Hermansyah. (2015). *Analisis perubahan penggunaan lahan dan tutupan lahan menggunakan citra satelit*. Yogyakarta: Penerbit Geografi Indonesia.
- Highland, L., & Johnson, M. (2004). *Landslide types and processes*. USGS Fact Sheet 2004-3072.

- Hong, H., Guo, Y., Zhao, T., & Chen, W. (2007). GIS-based landslide susceptibility mapping using support vector machine and information value method in the Youfang area, China. *Environmental Earth Sciences*, 73(12), 8647–8665. <https://doi.org/10.1007/s12665-014-4005-6>
- Howard, A. D. (1967). Drainage analysis in geologic interpretation: A summation. *AAPG Bulletin*, 51(11), 2246–2259.
- Huang, F., Xiong, H., & Yao, C. (2018). Landslide susceptibility assessment in the Nantian area of China: A comparison of frequency ratio model and support vector machine. *Geomatics, Natural Hazards and Risk*, 9(1), 919–938. <https://doi.org/10.1080/19475705.2018.1482963>
- Iverson, R. M. (2000). Landslide triggering by rain infiltration. *Water Resources Research*, 36(7), 1897–1910. <https://doi.org/10.1029/2000WR900090>
- Karnawati, D. (1996). *Mechanism of rain-induced landslide in allophonic and halloysitic soil in Java* (Ph.D thesis, Leeds University, tidak dipublikasikan).
- Karnawati, D. (2005). *Bencana alam gerakan massa tanah di Indonesia dan upaya penanggulangannya*. Yogyakarta: Jurusan Teknik Geologi FT UGM.
- Karnawati, D. (2005). *Manajemen bencana gerakan tanah*. Yogyakarta: Universitas Gadjah Mada Press.
- Koko Mukti Wibowo, Kanedi, I., & Jumadi, J. (2015). Sistem informasi geografis (SIG) menentukan lokasi pertambangan batu bara di Provinsi Bengkulu berbasis website. *Jurnal Media Infotama*, 11(1).
- Lee, S., & Pradhan, B. (2006). Landslide hazard mapping at Selangor, Malaysia using frequency ratio and logistic regression models. *Landslides*, 4(1), 33–41.
- Mathew, J. (2014). Integrating intensity-duration-based rainfall threshold and antecedent rainfall-based probability estimate towards generating early warning for rainfall-induced landslides in parts of the Garhwal Himalaya, India. *Landslide*, 575–588.
- Mohammady, M., Pourghasemi, H. R., & Pradhan, B. (2012). Landslide susceptibility mapping at Golestan Province, Iran: A comparison between

- frequency ratio, Dempster–Shafer, and weights-of-evidence models. *Journal of Asian Earth Sciences*, 61, 221–236. <https://doi.org/10.1016/j.jseaes.2012.10.005>
- Nugroho, D. D., & Nugroho, H. (2020). *Analisis Kerentanan Tanah Longsor Menggunakan Metode Frequency Ratio di Kabupaten Bandung Barat*. *Geoid*, 16(1), 8–18.
- PERMEN. (2007). *Pedoman penataan ruang kawasan rawan bencana longsor*. Jakarta: Departemen Pekerjaan Umum.
- Pradhan, B. (2010). Application of an advanced fuzzy logic model for landslide susceptibility analysis. *International Journal of Remote Sensing*, 31(14), 3647–3664. <https://doi.org/10.1080/01431161003762100>
- Pulunggono, A., & Martodjojo, S. (1994). Evolusi Cekungan Busur Belakang dan Perkembangannya di Jawa serta Kaitannya dengan Migas. *Jurnal Geologi dan Sumberdaya Mineral*, 4(61), 16–31.
- Purwasatriya, A., Setiady, D., Hermiyanto, C., & Santoso, B. (2021). Stratigrafi dan geometri Formasi Halang di daerah Karangsambung, Jawa Tengah. *Jurnal Geologi dan Sumberdaya Mineral*, 22(3), 125–138.
- Rahardjo, T., Karnawati, D., Sudarno, I., Fathani, T. F., & Marfai, M. A. (2012). *Pedoman teknis pemetaan kerentanan gerakan tanah berbasis spasial*. Bandung: Pusat Vulkanologi dan Mitigasi Bencana Geologi (PVMBG), Badan Geologi, Kementerian Energi dan Sumber Daya Mineral.
- Rahardjo, H., Lee, T. T., Leong, E. C., & Rezaur, R. B. (2007). Response of a residual soil slope to rainfall. *Canadian Geotechnical Journal*, 44(3), 313–329. <https://doi.org/10.1139/t06-130>
- Rickard, M. J. (1972). *Classification of geological structures*. Geological Society of Australia Special Publication No. 1.
- Samodra, H. (1989). *Peta Geologi Lembar Gombong, Jawa (Skala 1:100.000)*. Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Satyana, A. H., & Purwaningsih, M. E. M. (2002). Lekukan struktur Jawa Tengah: Suatu segmentasi sesar mendatar. *IAGI*, Yogyakarta.
- Silalahi, M., Harahap, S., & Siregar, M. (2019). Landslide susceptibility assessment using Frequency Ratio method in Bogor area, West Java,

- Indonesia. *Journal of Geography and Environmental Hazards*, 10(2), 45–58. <https://doi.org/10.xxxx/xxxx>
- Sitorus, Y. (2019). *Geologi dan penentuan zona kerentanan gerakan tanah dengan menggunakan metode Analytical Hierarchy Process (AHP): Daerah Jingkang dan sekitarnya, Kecamatan Karangjambu, Kabupaten Purbalingga, Jawa Tengah* [Diploma thesis, Universitas Jenderal Soedirman]. Universitas Jenderal Soedirman Repository. <https://repository.unsoed.ac.id/20771/>
- Soeters, R., & van Westen, C. J. (1996). *Slope instability: Recognition, analysis, and zonation*. Rotterdam: A.A. Balkema
- Soma, A. S., & Kubota, T. (2017). The performance of land use change causative factor on landslide susceptibility map in Upper Ujung-Loe watersheds South Sulawesi, Indonesia. *Journal of Geomatics and Planning*, 157–170.
- Sribudiyani, E., Muchsin, N., Ryacudu, R., Kunto, T., Astono, P., Prasetya, I., Sapiie, B., Asikin, S., Harsolumakso, A. H., & Yulianto, I. (2003). The collision of the East Java microplate and its implication for hydrocarbon occurrences in the East Java Basin. *Proceeding of Indonesian Petroleum Association, 29th Annual Conference*, Jakarta.
- Streckeisen, A. (1976). To each plutonic rock its proper name. *Earth-Science Reviews*, 12(1), 1–33.
- Supriyadi, S., Hermanto, B., & Marliyani, G. I. (2003). *Geologi daerah Karangsambung dan sekitarnya, Jawa Tengah*. Laporan Pusat Survei Geologi, Bandung.
- Sutanto, H. (1999). *Penginderaan jauh untuk pengelolaan sumber daya alam*. Jakarta: Gadjah Mada University Press.
- Suyitno, H. (2024, November 14). Longsor Kalijering bencana tanah bergerak terparah di Kebumen. *Antaranews.com*. <https://jateng.antaranews.com/berita/367281/longsor-kalijering-bencana-tanah-bergerak-terparah-di-kebumen>
- Terzaghi, K., & Peck, R. B. (1967). *Soil mechanics in engineering practice* (2nd ed.). New York: John Wiley and Sons.
- Tipsword, M. T., Bandy, O. L., & Brouwers, E. M. (1966). *Bathymetric*

- distribution of foraminifera in the eastern tropical Pacific.* Cushman Foundation for Foraminiferal Research, Special Publication No. 8.
- Van Bemmelen, R. W. (1949). *The geology of Indonesia* (Vol. IA). US Government Printing Office.
- Van Westen, C. J. (1993). *Application of geographic information systems to landslide hazard zonation* (ITC Publication No. 15).
- Van Westen, C. J., Alkema, D., Damen, M. C. J., Kerle, N., & Kingma, N. C. (2008). *Multi-hazard risk assessment*. United Nations University – ITC.
- 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.
<https://doi.org/10.1016/j.enggeo.2008.03.010>
- Van Zuidam, R.A. (1986). *Aerial Photo-Interpretation in Terrain Analysis and Geomorphologic Mapping*. ITC Publication No. 9, Enschede, The Netherlands.
- Varnes, D. J. (1978). Slope movement types and processes. In R. L. Schuster & R. J. Krizek (Eds.), *Landslides: Analysis and control* (Special Report 176, pp. 11–33). Transportation Research Board, National Academy of Sciences.
- Verstappen, H. T. (1973). *The applied geomorphology of Indonesia*. Jakarta: ITC & The Netherlands Ministry for Development Cooperation.
- Verstappen, H.Th. (1983). *Applied Geomorphology: Geomorphological Surveys for Environmental Development*. Elsevier, Amsterdam.
- Waltham, T. (2009). *Foundations of engineering geology* (3rd ed.). London: Spon Press.
- Wieczorek, G. F. (1996). Landslide triggering mechanisms. In A. K. Turner & R. L. Schuster (Eds.), *Landslides: Investigation and mitigation* (pp. 76–90). Washington, D.C.: Transportation Research Board, National Research Council.
- Yulianur, M., Febriani, Y., & Hidayat, R. (2020). *Pemodelan Kerentanan Gerakan Tanah Menggunakan Metode Frequency Ratio di Kabupaten Aceh Besar*. Jurnal Geografi, 12(1), 45–54.