DAFTAR PUSTAKA

Adhitya, F., Rusdiana, O., & Saleh, M. B. (2017). Penentuan jenis tumbuhan lokal dalam upaya mitigasi longsor dan teknik budidaya pada areal rawan longsor: studi kasus di RPH Cepoko. *Journal of Tropical Silviculture*, *8*(1), 9–19. https://doi.org/10.29244/j-siltrop.8.1.9-19

Aminatun, S. (2017). Kajian analisis risiko bencana tanah longsor sebagai dasar dalam pembangunan infrastruktur Di Desa Sriharjo Kecamatan Imogiri Kabupaten Bantul. *Jurnal Teknisia*, *XXII*(2), 372–382.

Angga, A., Feranie, S., Tohari, A., & Latief, F. D. E. (2016). *Karakterisasi lereng berpotensi longsor serta upaya mitigasi bencananya: studi kasus di Badan Jalan Lembang Dan Cijambe-Subang*. *V*(2015), SNF2016-EPA-47-SNF2016-EPA-52. https://doi.org/10.21009/0305020410

Arif, D. A., Aji, F., Rahman, A., & Kusuma Arum, R. W. (2019). Identifikasi sifat kimia tanah pada longsor aktif dan longsor inaktif (dormant) di Desa Margoyoso Kecamatan Salaman Kabupaten Magelang Jawa Tengah. *Jurnal Geografi*, *8*(1), 55. https://doi.org/10.24036/geografi/vol8-iss1/575

Arman, Sujianto, & Zulkifli. (2018). Penerapan kearifan lokal masyarakat dalam merehabilitasi erosi sungai di Kenegerian Rumbio Kabupaten Kampar. *Jurnal Perikanan Dan Kelautan*, *23*(2), 31–37.

ASTM International. (2012). Standard test method for field measurement of soil resistivity using the wenner four-electrode method. *ASTM International*, *Reapproved*, 2–6.

Badan Informasi Geospasial Republik Indonesia. (n.d.). *Peta rupabumi digital Indonesia*. Diambil 12 Desember 2021, dari https://tanahair.indonesia.go.id/portal-web/

Bartier, P. M., & Keller, C. P. (1996). Multivariate interpolation to incorporate thematic surface data using inverse distance weighting (IDW). *Computers and Geosciences*, *22*(7), 795–799. https://doi.org/10.1016/0098-3004(96)00021-0

Blanchy, G. (2021). Resipy: An intuitive open source software for complex geoelectrical inversion/modeling. *17th Conference and Exhibition Engineering and Mining Geophysics 2021*, 1–38. https://doi.org/10.3997/2214-4609.202152251

Blanchy, G., Saneiyan, S., Boyd, J., McLachlan, P., & Binley, A. (2020). ResIPy, an

intuitive open source software for complex geoelectrical inversion/modeling. *Computers and Geosciences*, *137*(February), 104423. https://doi.org/10.1016/j.cageo.2020.104423

Peraturan Kepala BNPB nomor 4, Pub. L. No. Peraturan kepala BNPB nomor 4 tahun 2008 tentang pedoman penyusunan rencana penanggulangan bencana (2008).

Peraturan Kepala BNPB nomor 02, Pub. L. No. Peraturan Kepala BNPB nomor 02 tahun 2012 tentang pedoman umum pengkajian risiko bencana (2012).

BNPB. (2016a). *Kejadian tanah longsor Dusun Kalisari*. https://dibi.bnpb.go.id/xdibi/read/21615/33/08/102/2016//1//10

BNPB. (2016b). Risiko bencana Indonesia (disasters risk of Indonesia). *International Journal of Disaster Risk Science*, 22. https://doi.org/10.1007/s13753-018-0186-5

BNPB. (2021). Indeks risiko bencana Indonesia (IRBI). In *BNPB*. BNPB.

BPS Magelang. (2020). *Kecamatan Salaman dalam Angka 2020*. BPS Kabupaten Magelang.

Burger, H. R. (1992). *Introduction to applied geophysics: exploring the shallow subsurface*.

Cardimona, S. (2002). Electrical resistivity techniques for subsurface investigation dL dA. *Department of Geology and Geophysics, University of Missouri-Rolla, Rolla, MO*.

Choi, K. Y., & Cheung, R. W. M. (2013). Landslide disaster prevention and mitigation through works in Hong Kong. *Journal of Rock Mechanics and Geotechnical Engineering*, *5*(5), 354–365. https://doi.org/10.1016/j.jrmge.2013.07.007

Cornforth, D. H. (2005). Landslides in practice: investigation, analysis and remedial/preventative options in soils. In *Environmental and Engineering Geoscience* (Vol. 12, Nomor 1). https://doi.org/10.2113/12.1.81

Cruden, D. M., & Varnes, D. J. (1996). Landslide: investigation and mitigation. In *Transportation Research Board Special Report* (247 ed., Nomor Bell 1992, hal. 36–75). Transportation Research Board Special Report.

Dawid, W., & Pokonieczny, K. (2020). Analysis of the possibilities of using different resolution digital elevation models in the study of microrelief on the example of terrain passability. *Remote Sensing*, *12*(24), 1–32. https://doi.org/10.3390/rs12244146

DNR-WA. (n.d.). *Landslides | Types of Landslides*. DNR-WA. https://www.dnr.wa.gov/programs-and-services/geology/geologic-hazards/landslides#types-of-landslides.8

Peraturan Menteri Pekerjaan Umum, Pub. L. No. 5/PRT/M/2008 (2008).

Firmansyah, Feranie, S., Tohari, A., & Latief, F. D. E. (2016). Prediction of landslide run-out distance based on slope stability analysis and center of mass approach. *IOP Conference Series: Earth and Environmental Science*, *29*(1). https://doi.org/10.1088/1755-1315/29/1/012003

Galve, J. P., Cevasco, A., Brandolini, P., & Soldati, M. (2015). Assessment of shallow landslide risk mitigation measures based on land use planning through probabilistic modelling. *Landslides*, *12*(1), 101–114. https://doi.org/10.1007/s10346-014-0478-9

Guilbert, J. M., & Park, C. F. (1986). *The geology of ore deposits*. Freeman.

Hadmoko, D S, Sartohadi, J., Samodra, G., Christanto, N., & Lavigne, F. (2009). GIS application for comprehensive spatial landslides analysis in Kayangan Catchment , Menoreh Mountains , Java , Indonesia. *International conference - Landslide processes: from geomorphologic mapping to landslide modelling*, 297–302.

Hadmoko, Danang Sri, Lavigne, F., & Samodra, G. (2017). Application of a semiquantitative and GIS-based statistical model to landslide susceptibility zonation in Kayangan Catchment, Java, Indonesia. *Natural Hazards*, *87*(1), 437–468. https://doi.org/10.1007/s11069-017-2772-z

Hadmoko, Danang Sri, Lavigne, F., Sartohadi, J., Hadi, P., & Winaryo. (2010). Landslide hazard and risk assessment and their application in risk management and landuse planning in eastern flank of Menoreh Mountains, Yogyakarta Province, Indonesia. *Natural Hazards*, *54*(3), 623–642. https://doi.org/10.1007/s11069-009-9490-0

Hamilton, W. (1973). Tectonics of the Indonesian region. *Geological Society of Malaysia, Bulletin*, *6*(July), 3–10.

Hansen, G. (2016). Basic Principles of Landscape Design. *University of Florida*. https://doi.org/10.32473/edis-mg086-2010

Hastanti, B. W., & Susanti, P. D. (2019). Karakteristik dan persepsi petani terhadap inovasi teknik soil bioengineering untuk mitigasi longsor di Kabupaten Banjarnegara Jawa Tengah. *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai*, *3*(1), 45–58.

Henderson, R. (2020). *Engineering and environmental geophysics with terraTEM*. https://doi.org/10.3997/2214-4609-pdb.126.6247

Herman, R. (2001). An introduction to electrical resistivity in geophysics. *American Journal of Physics*, *69*(9), 943–952. https://doi.org/10.1119/1.1378013

Hidayat, W. (2020, Januari 17). *Berita Magelang - Irigasi tertimbun longsor, petani antisipasi gagal panen*. beritamagelang.id. http://beritamagelang.id/irigasi-tertimbun-longsor-petani-sepakat-bergotongroyong-antisipasi-gagal-panen

Islami, T., Utomo, W. H., & Metode, B. (2006). *Limpasan permukaan dan erosi tanah setelah sepuluh tahun menggunakan sistem tanaman lorong*. *6*(1), 51–58.

Karnawati, D., Fathani, T. ., Sudarno, I., & Andayani, B. (2008). Development of community-based landslide early warning system in Indonesia. *Global Promotion Committee of The Int. Program on Landslide (IPL) – ISDR*, 305–308.

KESDM. (2015). *Gerakan tanah* (Nomor 57). www.vsi.esdm.go.id

Krisdianto, A. Y. (2022). *Tanaman tumpangsari jagung-kacang tanah pada laju evapotranspirasi tanah lempung dengan tanaman tumpangsari jagung-kacang tanah pada tiga zona lereng di Sub-Das Bompon , Jawa Tengah*. UGM.

Kroh, P. (2017). Analysis of land use in landslide affected areas along the Łososina Dolna Commune, the Outer Carpathians, Poland. *Geomatics, Natural Hazards and Risk*, *8*(2), 863–875. https://doi.org/10.1080/19475705.2016.1271833

Kurniati, R., Kurniawati, W., Dewi, D. I. K., & Ferawati, N. A. (2020). Konservasi Lahan Rawan Longsor di RW 9 Kelurahan Srondol Kulon, Kecamatan Banyumanik, Semarang. *Jurnal Arsitektur ZONASI*, *3*(3), 209–217. https://doi.org/10.17509/jaz.v3i3.25927

Kurniawan, H., & Alfian, R. (2010). Konsep pemilihan vegetasi lansekap pada taman lingkungan di Bunderan Waru Surabaya. *Buana Sains*, *10*(2), 181–188.

Kurniawati. (2020, Desember 8). *Berita magelang - relawan desa margoyoso tingkatkan kapasitas penanganan bencana*. Berita Magelang.id. http://beritamagelang.id/relawan-desa-margoyoso-tingkatkan-kapasitas-penanganan-bencana#!

Kusuma, G. M. (2017). *Efektivitas teknik konservasi dalam pengendalian erosi sebagai upaya pengelolaan DAS dengan pendekatan geomorfologi (kasus DAS Bompon, Magelang)*. 1–110.

Latief, M. fadhlirrahman, Khaerani, P. I., Iskandar, H., Syamsu, J. A., & Akil, S. (2020). Tinjauan Reklamasi Lahan Pasca Tambang Timah (Sn) Melalui Penanaman Tumbuhan Pakan. *PROSIDING SEMINAR NASIONAL "Membangun Sumber Daya Peternakan di Era Revolusi Industri 4.0"*, *May*, 39–47.

Loke, M. H. (2003). *RES2DINV manual: rapid 2-D resistivity & IP inversion using the least-squares method: geoelectrical Imaging 2-D & 3D*. www.geoelectrical.com

Meneses, B. M., Pereira, S., & Reis, E. (2019). Effects of different land use and land cover data on the landslide susceptibility zonation of road networks. *Natural Hazards and Earth System Sciences*, *19*(3), 471–487.

Michel, J., Dario, C., Marc-Henri, D., Thierry, O., Ivanna Marina, P., & Bejamin, R. (2020). A review of methods used to estimate initial landslide failure surface depths and volumes. *Engineering Geology*, *267*(December 2019). https://doi.org/10.1016/j.enggeo.2020.105478

Nelson, M., Saftner, D., & Carranza-Torres, C. (2017). Slope stabilization for local government engineers in Minnesota. In *Congress on Technical Advancement 2017: Construction and Forensic Engineering - Papers from Sessions of the 1st Congress on Technical Advancement* (Nomor May). https://doi.org/10.1061/9780784481035.012

Noviyanto, A., Sartohadi, J., & Purwanto, B. H. (2020). The distribution of soil morphological characteristics for landslide-impacted Sumbing Volcano, Central Java - Indonesia. *Geoenvironmental Disasters*, *7*(1). https://doi.org/10.1186/s40677-020-00158-8

Olowofela, J. A., Jolaosho, V. O., & Badmus, B. S. (2005). Measuring the electrical resistivity of the earth using a fabricated resistivity meter. *European Journal of Physics*, *26*(3), 501–515. https://doi.org/10.1088/0143-0807/26/3/015

Paimin, Sukresno, & Pramono, I. B. (2009). *Teknil mitigasi banjir dan tanah longsor*. Tropenbos International Indonesia Programme.

Pemerintah Desa Margoyoso. (2019). *Rencana kontijensi tanah longsor Desa Margoyoso*.

Peraturan daerah Kabupaten Magelang nomor 5, Pub. L. No. Peraturan Daerah Kabupaten Magelang Nomor 5 Tahun 2011 tentang Rencana Tata Ruang Wilayah Kabupaten Magelang Tahun 2010-2030, 1 (2011).

Peraturan bupati Magelang nomor 48, Bupati Magelang (2018).

Undang-undang nomor 24, Pub. L. No. 24 (2007).

Nomor P.4/Menhut-II/2011 tentang Pedoman Reklamasi Hutan, (2011).

Pirajno, F. (1992). Hydrothermal mineral deposits. Principles and fundamental concepts for the exploration geologist. In *Springer-Verlag.* (xvii). Springer-Verlag.

Popescu, M. E., & Sasahara, K. (2009). Engineering measures for landslide disaster mitigation. *Landslides - Disaster Risk Reduction*, 609–631. https://doi.org/10.1007/978-3-540-69970-5_32

Pratiwi, E. S. (2016). Integrasi metode geofisika dan geokimia untuk investigasi material dan mekanisme longsor tipe rotational slide di das bompon kabupaten magelang provinsi jawa tengah. In *UGM* (Nomor Feb). http://etd.lib.metu.edu.tr/upload/12620012/index.pdf

Pratiwi, E. S., Sartohadi, J., & Wahyudi. (2019). Geoelectrical prediction for sliding plane layers of rotational landslide at the volcanic transitional landscapes in Indonesia. *IOP Conference Series: Earth and Environmental Science*, *286*(1). https://doi.org/10.1088/1755-1315/286/1/012028

Priyono. (2015). Hubungan klasifikasi longsor, klasifikasi tanah rawan longsor dan klasifikasi tanah pertanian rawan longsor. *Gema*, *27*(49), 1602–1617.

Purnomo, H. (2018). Aplikasi metode interpolasi *inverse distance weighting* dalam penaksiran sumberdaya laterit nikel. *Jurnal Ilmiah Bidang Teknologi*, *10*(1), 49–60. https://www.ptonline.com/articles/how-to-get-better-mfi-results

Radyanto, A. (2019). *Analisis stabilitas lereng dengan sistem drainase bawah permukaan di Kabupaten Banjarnegara*.

Rahardjo, W., Sukandarrumidi, & H.M.D, R. (1995). *Peta geologi lembar Yogyakarta, Jawa*.

Reichenbach, P., Busca, C., Mondini, A. C., & Rossi, M. (2014). The influence of land use change on landslide susceptibility zonation: the briga catchment test site (Messina, Italy). *Environmental Management*, *54*(6), 1372–1384. https://doi.org/10.1007/s00267-014-0357-0

Rendra, P. P. R., Sulaksana, N., & Alam, B. Y. C. S. S. . (2016). Optimalisasi pemanfaatan sistem agroforestri sebagai bentuk adaptasi dan mitigasi tanah longsor. *Bulletin of Scientific Contribution*, *14*(2), 117–126.

Reynolds, J. M. (2011). An introduction to applied and environmental geophysics. In *John Wiley & Sons Ltd.*

Roychani, M. (2020, Januari 28). *Tanah longsor masih menjadi ancaman Kecamatan Salaman.* bpbd.magelangkab.go.id. https://bpbd.magelangkab.go.id/home/detail/tanah-longsor-masih-menjadi-ancaman-kecamatan-salaman/483

Roychani, M. (2021, Januari 12). *Infografis kejadian bencana Kabupaten Magelang tahun 2020.* bpbd.magelangkab.go.id. https://bpbd.magelangkab.go.id/home/detail/infografis-kejadian-bencana-kabupaten-magelang-2020

Sadat, B. A., Isya, M., & Rani, H. A. (2018). Analisis efisiensi dinding penahan tanah tipe kantilever di Kecamatan Babahrot Kabupaten Aceh Barat Daya. *Jurnal Arsip Rekayasa Sipil dan Perencanaan*, *1*(1), 18–26. https://doi.org/10.24815/jarsp.v1i1.10331

Sambolangi, L. (2017). Identifikasi jenis dan karakteristik longsor di daerah aliran sungai (DAS) Lisu Kabupaten Barru. *Universutas Hasanuddin Makassar*.

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. https://doi.org/10.1007/s10346-020-01428-0

Sartohadi, J., Harlin Jennie Pulungan, N. A., Nurudin, M., & Wahyudi, W. (2018). The ecological perspective of landslides at soils with high clay content in the middle bogowonto watershed, central Java, Indonesia. *Applied and Environmental Soil Science*, *2018*. https://doi.org/10.1155/2018/2648185

Satriagasa, M. C., Suryatmojo, H., & Kusumandari, A. (2020). Zonasi kerawanan longsor dan strategi arahan mitigasi longsor di DAS Merawu Banjarnegara. *Geomedia*, *18*(2).

Satyana, A. H., & Purwaningsih, M. E. M. (2002). Lekukan struktur Jawa Tengah: suatu segmentasi sesar mendatar. *Yogyakarta – Central Java Section "Geology of Yogyakarta and Central Java" (2002)*, *March*, 1–14.

Sharma, P. V. (1997). *Environmental and engineering geophysics*. Cambridge university press.

Sittadewi, E. H. (2018). Peran Vegetasi Dalam Aplikasi Soil Bioengineering. *Jurnal Sains dan Teknologi Mitigasi Bencana*, *12*(2), 29.

https://doi.org/10.29122/jstmb.v12i2.2588

Smyth, H. R., & Nichols, G. J. (2008). *Cenozoic volcanic arc history of East Java, Indonesia : the stratigraphic record of eruptions on an active continental margin*. *2436*(10), 199–222. https://doi.org/10.1130/2008.2436(10).

Souisa, M., Sapulete, S. M., & Isnawati. (2021). The determinant of slip plane and volume potential of landslide mass using resistivity data in Air Kuning Batu Merah, Ambon City. *Journal of Physics: Conference Series*, *1816*(1). https://doi.org/10.1088/1742-6596/1816/1/012026

Souisa, Matheus. (2021). Kajian gerakan tanah melalui integrasi multidisiplin (studi kasus: longsor Amahusu Kecamatan Nusaniwe Ambon). *ALE Proceeding*, *1*(April), 115–121. https://doi.org/10.30598/ale.1.2018.115-121

Sugiono, K., Marwanto, S., & Kurnia, U. (2003). Teknik konservasi tanah secara vegetatif. In *Balai Penelitian Tanah*. Balai Penelitian Tanah.

Sunandar, A. (2013). *Penanganan Erosi Permukaan Lereng Jalan secara Vegetatif melalui Teknologi Hidrosiding*.

Syukri, M. (2020). *Pengantar Geofisika*. Syiah Kuala University Press.

Telford, W. M., Geldart, L. P., & Sheriff, R. E. (1931). Applied geophysics. In *Nature* (Vol. 127, Nomor 3212, hal. 783–785). https://doi.org/10.1038/127783a0

Thaden, R., Sumardirdja, H., & Richards, P. (1975). *Peta geologi lembar Magelang dan Semarang*.

Thiyagarajan, K., Acharya, P., Piyathilaka, L., & Kodagoda, S. (2020). Numerical modeling of the effects of electrode spacing and multilayered concrete resistivity on the apparent resistivity measured using wenner method. *Proceedings of the 15th IEEE Conference on Industrial Electronics and Applications, ICIEA 2020*, 200–206. https://doi.org/10.1109/ICIEA48937.2020.9248217

Tictona, R. P., Marantika, S. bagus, Hendriawan, S. A., Daifullah, B., Krisnawan, G., & Kurniasih, Y. (2020). Manajemen bencana tanah longsor di Desa Sambungrejo Kecamatan Grabag Kabupaten Magelang. *Jurnal Mahasiswa Administrasi Negara (JMAN)*, *4*(2), 16–25. http://jom.untidar.ac.id/index.php/jman/article/view/1079

Van Bemmelen, R. W. (1949). The geology of Indonesia: general geology of Indonesia and adjacent archipelagoes. In *Government Printing Office, The Hague* (hal. 1–766).

Varnes, D. (1978). Slope movement types and processes. *Special report*, *176*, 11–33.

Wida, W. A., Maas, A., & Sartohadi, J. (2019). Pedogenesis of Mt. Sumbing volcanic ash above the alteration clay layer in the formation of landslide susceptible soils in Bompon Sub-Watershed. *Ilmu Pertanian (Agricultural Science)*, *4*(1), 15. https://doi.org/10.22146/ipas.41893

Zahran, M. H., Salim, A., & Budiharto, T. (2021). Arahan mitigasi bencana kawasan rawan longsor Di Kabupaten Sinjai. *Journal of Urban Planning Studies*, *1*(2), 196–203. https://doi.org/10.35965/jups.v1i2.37

Zakaria, F., & Maisarah, S. M. (2019). Identifikasi bidang gelincir pada daerah rawan longsor Desa Srimartani, Yogyakarta. *Jurnal Geofisika Eksplorasi*, *5*(3), 55–63. https://doi.org/10.23960/jge.v

Zufialdi, Z. (2009). *Analisis Kestabilan Lereng*. Laboratorium Geologi Teknik Universitas Padjadjaran.