

DAFTAR PUSTAKA

- Anatama, W., Dwiarmoko, M.U., Santoso, E., 2022, Identifikasi Jenis Mineral Dan Unsur Elemen Utama Pada Material Lempung Serta Penyebarannya Di Daerah Mataraman, Kabupaten Banjar, Provinsi Kalimantan Selatan, *Jurnal Himasapta*, Vol. 6, Hal. 133, DOI: 10.20527/jhs.v6i3.4667.
- Ayunimas, A., Haryati, N., Sonata, H., Muchlian, M., 2023, Karakteristik Tanah Pada Lereng Sebagai Mitigasi Pasca Bencana Tanah Longsor (Studi Kasus: Nagari Aie Dingin, Kab. Solok, Sumatera Barat), *Jurnal Bangunan, Konstruksi & Desain*, Vol. 1, Hal. 159–167, DOI: 10.25077/jbk.1.3.159-167.2023.
- Badan Informasi Geospasial, 2021, Shapefile Seluruh Indonesia.
- BNPB, 2025, *Data Bencana Indonesia 2024*, Pusat Data Informasi dan Komunikasi Kebencanaan Badan Nasional Penanggulangan Bencana, Jakarta.
- Bowen, M.W., 2025, *Principles Of Soil Science Exercise*.
- Craig, R.F., Susilo, B., 1989, Mekanika Tanah, edisi IV, Hal. 16, 19, 109, 110, 171, 174, 176.
- Cullity, B.D., Graham, C.D., 2011, *Introduction to Magnetic Materials*, Wiley.
- Das, B.M., 1995, Mekanika Tanah Jilid 1 (Prinsip-prinsip Rekayasa Geoteknik, Penerbit Erlangga, Hal. 1–300.
- de Mello, D.C., Demattê, J.A.M., Silvero, N.E.Q., Raimo, L.A.D.L. Di, Poppiel, R.R., Mello, F.A.O., Souza, A.B., Safanelli, J.L., Resende, M.E.B., Rizzo, R., 2020, Soil magnetic susceptibility and its relationship with naturally occurring processes and soil attributes in pedosphere, in a tropical environment, *Geoderma*, Vol. 372, DOI: 10.1016/j.geoderma.2020.114364.
- Dearing, J.A., 1999, MS2/MS3 Magnetic Susceptibility System Manual.
- Derajah, A., Budiman, A., 2022, Analisis Nilai Suseptibilitas Magnetik Tanah Untuk Pendugaan Erosi di Daerah Sekitar Jalan Lintas Sungai Penuh-Tapan, *Jurnal Fisika Unand*, Vol. 11, Hal. 341–347, DOI: 10.25077/jfu.11.3.341-

347.2022.

- Dhani, A., Afdal, A., Budiman, A., 2021, Suseptibilitas Magnetik Tanah Sebagai Indikator Bencana Longsor Daerah Sitinjau Lauik, *Jurnal Fisika Unand*, Vol. 10, DOI: 10.25077/jfu.10.2.191-197.2021.
- Dunlop, D.J., Özdemir, Ö., 1997, *Rock Magnetism: Fundamentals and Frontiers*, Cambridge Studies in Magnetism, Cambridge University Press.
- Evans, M., Heller, F., 2003, *Environmental Magnetism: Principles and Applications of Enviromagnetics*, International Geophysics, Academic Press.
- F. Mugagga, V.K.& M.B., 2011, A characterisation of the physical properties of soil and the implications for landslide occurrence on the slopes of Mount Elgon, Eastern Uganda, Vol. 52, DOI: 10.1007/s11069-011-9896-3.
- Felita, G., Afdal, A., Marzuki, M., 2022, Kajian Suseptibilitas Magnetik Tanah Sebagai Indikator Longsor di Gunung Nago, Padang, *Jurnal Fisika Unand*, Vol. 11, DOI: 10.25077/jfu.11.1.75-81.2022.
- Glenn, A., 2021, Clay mineralogy and slope stability.
- Gupta, A., Stead, T., Ganti, L., 2024, Determining a Meaningful R-squared Value in Clinical Medicine Academic Medicine & Surgery, *Academic Medicine & Surgery*, DOI: 10.62186/001c.125154.
- Hillel, D., 1998, *Environmental Soil Physics: Fundamentals, Applications, and Environmental Considerations*, Academic Press.
- Hunt, C.P., Moskowitz, B.M., Banerjee, S.K., 1995, Magnetic Properties of Rocks and Minerals: A Handbook of Physical Constants, *Rock Physics & Phase Relations*, Vol. 3, Hal. 189–204.
- Jordanova, N., Jordanova, D., Liu, Q., Hu, P., Petrov, P., Petrovský, E., 2013, Soil formation and mineralogy of a Rhodic Luvisol - insights from magnetic and geochemical studies, *Global and Planetary Change*, Vol. 110, DOI: 10.1016/j.gloplacha.2013.08.020.
- Kittel, C., Johnson, S., 2005, *Introduction to Solid State Physics*.
- Luthfi, H., Budiman, A., 2024, Identifikasi Daerah Potensi Longsor Melalui Pengamatan Erosi Berdasarkan Analisis Nilai Suseptibilitas Magnetik Tanah (Studi Kasus: Daerah Tonggo Kanagarian Tigo Koto Silungkang, Kecamatan

- Palembayan, Kabupaten Agam, Sumatera Barat, Vol. 3, Hal. 4–10.
- Maher, B.A., 1986, Characterisation of soils by mineral magnetic measurements, *Physics of the Earth and Planetary Interiors*, Vol. 42, Hal. 76–92, DOI: [https://doi.org/10.1016/S0031-9201\(86\)80010-3](https://doi.org/10.1016/S0031-9201(86)80010-3).
- Menshov, O., Ivanik, O., Vyzhva, S., Horoshkova, L., Tonkha, O., Hadiatska, K., 2022, Applying Magnetic Methods To Studies Of Soil Erosion And Landslides In Ukraine's Urban Areas, *83rd EAGE Conference and Exhibition 2022*.
- Montgomery, D.C., Peck, E.A., Vining, G.G., 2012, *Introduction to Linear Regression Analysis*, Wiley Series in Probability and Statistics, Wiley.
- Mulia, B.M., Budiman, A., 2025, Analisis Ketidakstabilan Lereng Berdasarkan Nilai Suseptibilitas Magnetik (Studi Kasus: Dua Lereng di Nagari Sikucur Tengah, Padang Pariaman), *Jurnal Fisika Unand*, Vol. 14, DOI: [10.25077/jfu.14.3.205-211.2025](https://doi.org/10.25077/jfu.14.3.205-211.2025).
- Muntohar, A.S., 2010, Tanah Longsor: Analisis-Prediksi-Mitigasi, *Universitas Muhammadiyah Yogyakarta*, Hal. 13.
- Oldfield, F., Walden, J., Smith, J., Britain), Q.R.A. (Great, 1999, *Environmental Magnetism: A Practical Guide*, Quaternary Research Association: Technical guide, Quaternary Research Association.
- Ouallali, A., Bouhsane, N., Bouhlassa, S., Spalevic, V., Kader, S., Michael, R., Sestras, P., 2024, Exploring soil pedogenesis through frequency-dependent magnetic susceptibility in varied lithological environments, *Euro-Mediterranean Journal for Environmental Integration*, Vol. 10, DOI: [10.1007/s41207-024-00663-4](https://doi.org/10.1007/s41207-024-00663-4).
- Priyono, K.D., 2012, Kajian Mineral Lempung pada Kejadian Bencana Longsorlahan di Pegunungan Kulonprogo Daerah Istimewa Yogyakarta, *Forum Geografi*, Vol. 26, DOI: [10.23917/forgeo.v26i1.5050](https://doi.org/10.23917/forgeo.v26i1.5050).
- Putri, R.S., Budiman, A., 2024, Identifikasi Pola Redistribusi Tanah Yang Tidak dan Telah Mengalami Longsor Berdasarkan Nilai Suseptibilitas Magnetik di Daerah Batu Busuk Kota Padang, *Jurnal Fisika Unand*, Vol. 13, DOI: [10.25077/jfu.13.1.22-28.2024](https://doi.org/10.25077/jfu.13.1.22-28.2024).

- Ramos, P.V., Siqueira, D.S., 2017, Magnetic Susceptibility of Soil to Differentiate Soil Environments in Southern Brazil, DOI: 10.1590/18069657rbc20160189.
- Setiady, D., Sianipar, A.H., 2016, Jenis Dan Kandungan Mineral Dalam Sedimen Lepas Pantai Di Perairan Kabupaten Aceh Utara Propinsi Nangroe Aceh Darusalam, *Jurnal Geologi Kelautan*, Vol. 7, Hal. 151–162, DOI: 10.32693/jgk.7.3.2009.180.
- Sutanto, R., 2005, *Dasar – Dasar Ilmu Tanah Konsep Dan Kenyataan*, Kanisius.
- Tarling, D., Hrouda, F., 1993, *Magnetic Anisotropy of Rocks*, Springer Netherlands.
- Tauxe, L., Gee, J.S., Staudigel, H., 1998, Flow directions in dikes from anisotropy of magnetic susceptibility data: The bootstrap way, *Journal of Geophysical Research: Solid Earth*, Vol. 103, Hal. 17775–17790, DOI: 10.1029/98jb01077.
- Teixeira, D.D.B., Marques, J., Siqueira, D.S., Vasconcelos, V., Carvalho, O.A., Martins, É.S., Pereira, G.T., 2018, Catena Mapping units based on spatial uncertainty of magnetic susceptibility and clay content, *Catena*, Vol. 164, Hal. 79–87, DOI: 10.1016/j.catena.2017.12.038.
- Thompson, R., 2012, *Environmental Magnetism*, Springer Netherlands.
- Varnes, D.J., 1978, Landslide types and processes. Landslides and engineering practice, *Landslides and Engineering Practice*, Vol. 24, Hal. 20–47.
- Yalcin, A., 2007, The effects of clay on landslides : A case study, Vol. 38, Hal. 77–85, DOI: 10.1016/j.clay.2007.01.007.
- Yuliyanti, A., Sarah, D., 2013, Amblesan Tanah Di Daerah Semarang, Hal. 93–104.
- Zhang, X., Zhang, W.-C., Wu, W., Liu, H.-B., 2023, Horizontal and vertical variation of soil clay content and its controlling factors in China, *Science of The Total Environment*, Vol. 864, Hal. 161141, DOI: <https://doi.org/10.1016/j.scitotenv.2022.161141>.