

REFERENCES

- Alexander, D. 1992. On the Causes of Landslides: Human Activities, Perception, and Natural Processes. *Environmental Geology and Water Sciences*, Vol. 20, No. 3, pp 165-179.
- Alexander, E.B. and DuShay, J., 2011, Topographic and Soil Differences from Peridotite to Serpentinite, *Geomorphology*, Volume 135, Issues 3–4, 15 December 2011, pp 271-276.
- Apriliyandi, E., 2017, Analisis Aplikasi Pemberian Air Irigasi Dengan Metode Sri (*System of Rice Intensification*) di Desa Banjar Sari Kecamatan Labuhan Haji Kabupaten Lombok Timur, *Skripsi*, FT Universitas Negeri Mataram, Mataram.
- Aulia, P., 2020, Analisis Suseptibilitas Magnetik Tanah Permukaan sebagai Indikator Longsor di Bukit Karan Padang, *Skripsi*, Jurusan Fisika FMIPA, Universitas Andalas, Padang.
- BAPPEDA Kota Padang, 2014, *Rencana Pembangunan Jangka Menengah Daerah (RPJMD)* Tahun 2014-2019, Padang BNPB, 2015, Waspada Masyarakat pada Bencana Angin Puting Beliung dan Banjir, *Majalah GEMA BNPB*, Vol 3, No. 3, Hal. 13-15.
- Bell, R.J., Kruse, A., Garcia, A., Glade, T., and Hordt, A., 2006, Subsurface Investigations of Landslides Using Geophysical Methods - Geoelectrical Applications In The Swabian Alb (Germany), *Geographica Helvetica*, Vol. 61, No. 3, pp. 201-208.
- Bichler A., Bobrowsky P., Best M., Douma M., Hunter J., Calvert T. and Burns R., 2004, Three-Dimensional Mapping of A Landslide Using A Multi-Geophysical Approach: The Quesnel Forks Landslide. *Landslides*, 1 (1), 29-40.
- BNPB, 2015, Waspada Masyarakat pada Bencana Angin Puting Beliung dan Banjir, *Majalah GEMA BNPB*, Vol 3, No. 3, hal. 12.
- Bowles, J.E., 1989, *Sifat-Sifat Fisis dan Geoteknis Tanah (Mekanika Tanah)*, (diterjemahkan oleh: Johan K. Hainim), Erlangga, Jakarta.

- Brady, J.E., 1990, *General Chemistry*, 5th edition, John Wiley & Sons, New York.
- Bruno, F., and Marillier, F., 2000, Test of High-Resolution Seismic Reflection And Other Geophysical Techniques On The Boup Landslide In The Swiss Alps, *Surveys in Geophysics*, No. 21, Elsevier, pp. 333–348.
- Chappell, N.A., Ternan, J.L., and Bidin, K., 1999, Correlation of Physicochemical Properties And Sub-Erosional Landforms With Aggregate Stability Variations In A Tropical Ultisol Disturbed By Forestry Operations. *Soil & Tillage Research*, Vol. 50, Elsevier, pp 55-71.
- Chen, S.C., Chou, H.T., Chen, S.C. Wu, C.H., and Lin, B.S., 2014, Characteristics of Rainfall-Induced Landslides In Miocene Formations: A Case Study Of The Shenmu Watershed, Central Taiwan, *Engineering Geology*, No. 169, pp 133–146.
- Das, B.M., 1995, *Mekanika Tanah (Prinsip-Prinsip Rekayasa Geoteknik)*, Jilid 2, Erlangga, Jakarta.
- Dearing, J., 1999, Environmental Magnetic Susceptibility Using the Bartington MS2 System, *Chi Publishing*, England.
- Dhani, A., 2021, Suseptibilitas Magnetik Tanah Lapisan Atas Sebagai Indikator Bencana Longsor Di Daerah Bukit Kili Kecamatan Kubung Kabupaten Solok, *Skripsi*, Jurusan Fisika FMIPA, Universitas Andalas, Padang.
- Dunlop, D. J. and Ozdemir, O., 1997, *Rock Magnetism Fundamental and Frontiers*, Cambridge University, United Kindom.
- Effendi, S.F., dan Budiman, A. 2018. Identifikasi Bulir Superparamagnetik Sebagai Prekursor Longsor di Daerah Bukit Lantiak Kecamatan Padang Selatan, Kota Padang, *Jurnal Fisika Unand*, Vol. 7, No. 4. Page 312-319.
- Evans, M. E., and Heller, F. 2003. Environmental Magnetism Principles and Applications of Enviromagnetics, USA: *Academic Press*, USA.
- Fauziek, M., dan Suhendra A., 2018, Efek Dari *Dynamic Compaction* (DC) Terhadap Peningkatan Kuat Geser Tanah, *Jurnal Mitra Teknik Sipil, Universitas Tarumanagara, Jakarta*, Vol. 1, No. 2, hal. 205-214.
- Ferrucci F., Amelio M., Sorriso-Valvo M., and Tansi C., 2000, Seismic

Prospecting of a Slope Affected By Deep-Seated Gravitational Slope Deformation: the Lago Sackung, Calabria, Italy, *Eng. Geol.*, No. 57, Page. 53-64.

Furian, S., Barbiero, L., and Boulet, R., 1999, Organisation of the Soil Mantle In Tropical Southeastern Brazil (Serra Do Mar) In Relation To Landslides Processes, *Catena*, Vol. 38, No. 1, Elsevier, pp. 65-83.

Girdler, R.W., 1961, Some Preliminary Measurements of Anisotropy of Magnetic Susceptibility of Rocks, *Geophysical Journal of the Royal Astronomical Society*, Vol. 5, No. 3, pp. 197-206.

Hardiyatmo, H.C., 1992, *Mekanika Tanah I*, Gramedia, Jakarta.

Hardjowigeno, S., 1985, *Klasifikasi Tanah, Survey Tanah Evaluasi Kemampuan Lahan*. Perbaikan dari naskah aslinya. IPB. Bogor.

Hermon, D., dan Triyatno, 2005, Analisis Spasial Bahaya dan Risiko Longsor Lahan di Gunung Padang Sumatera Barat, *Project Report*, Universitas Negeri Padang, Padang.

Hermon, D., 2018, *Mitigasi Bencana Hidrometeorologi: Banjir, Longsor, Ekologi, Degradasi Lahan, Puting Beliung, Kekeringan*, UNP Press, Padang.

Hunt C., Moskowitz, B.M., and Banerje, S.K., 1995, Magnetic properties of rocks and minerals. In T. J. Ahrens (Ed.), *Handbook of Physical Constants*, American Geophysical Union, Vol. 3, pp. 189-204.

Jongmans, D., Hemroulle, P., Demanet, D., Renardy, F., and Vanbrabant Y, 2000, Application of 2D Electrical And Seismic Tomography Techniques For Investigating Landslides, *European J. Env. Eng. Geophys.*, 5, 75-89.

Pratiwi, R. A., Prakoso, A. G., Darmasetiawan, R., Agustine, E., Kirana, K. H., dan Fitriani, D., 2016, Identifikasi Sifat Magnetik Tanah di Daerah Tanah Longsor. *Prosiding Seminar Nasional*, 5(1): 182-187.

Kearey, P., Brooks, M., and Hill, I., 2002, *An Introduction to Geophysical Exploration*, 3rd edition, Blackwell, Oxford, 262 p.

- Méric, O., Garambois, S., and Orengo Y., 2006, *Large Gravitational Movement Monitoring Using A Spontaneous Potential Network*, In: Proc. 19th Annual meeting of SAGEEP, Seattle, USA, EEGS Ed., Denver, USA, 6 p.
- Miyagi, T., G. B. Prasad, C. Tanavud, A. Potichan, and E. Hamasak. 2004. *Landslide Risk Evaluation and Mapping - Manual of Aerial Photo Interpretation for Landslide Topography and Risk Management. Report of the National Research Institute for Earth Science and Disaster Prevention*, No. 66: 75-137.
- Muntohar, A.S., 2010, *Tanah Longsor: Analisis – Prediksi – Mitigasi*, GERG: Universitas Muhammadiyah Yogyakarta, Yogyakarta.
- Naryanto, H.S., 2011. Analisis Risiko Bencana Tanah Longsor di Kabupaten Karanganyar, Provinsi Jawa Tengah. *Jurnal Dialog Penanggulangan Bencana*, Vol. 2, No. 1, Tahun 2011.
- Naryanto, H.S., 2013, Analisis dan Evaluasi Kejadian Bencana Tanah Longsor Di Cililin, Kabupaten Bandung Barat, Provinsi Jawa Barat Tanggal 25 Maret 2013, *JSTMB*, Vol. 8, No. 1, Tahun 2013, hal. 39-49.
- Naryanto, H.S., Soewandita, H., dan Putra, A.P., 2015. Fakta dan Analisis Kejadian Bencana Tanah Longsor (Gerakan Tanah) di Dusun Dusun Jemblung, Desa Sampang, Kecamatan Karangobar, Banjarnegara Tanggal 12 Desember 2014. *Laporan Kajian Cepat (Rapid Assessment)*, BPPT, tidak dipublikasikan.
- Naryanto, H.S., Wisyanto, Purwonugoho, S.P., Tejakusuma, I.G., Marwanta, B., & Prawiradisastro, S., 2010. Pengkajian dan Penerapan Teknologi Model Pemantauan Kawasan Rawan Bencana Tanah Longsor di Kabupaten Tawangmangu, Provinsi Jawa Tengah. BPPT, *Laporan*, tidak diterbitkan.
- Naldi, F., dan Budiman, A., 2018, Analisis Suseptibilitas Magnetik Tanah Lapisan Atas Sebagai Indikator Bencana Longsor di Bukit Sula Kecamatan Talawi Kota Sawahlunto, *Jurnal Fisika Unand*, 7(2): 110-116, Padang.
- Paimin, Sukresno dan Pramono, I. B., 2009, *Teknik Mitigasi: Banjir dan Tanah*

Longsor, Tropenbos International Indonesia Programme, Balikpapan.

- Pusat Vulkanologi dan Mitigasi Bencana Geologi., 2015, *Prakiraan Wilayah Potensi Terjadi Gerakan Tanah/Tanah Longsor dan Banjir Bandang di Seluruh Indonesia*, Kementerian Energi dan Sumber Daya Mineral Badan Geologi Pusat Geologi Pusat Vulkanologi dan Mitigas, Jakarta.
- Ramadhani, R., 2016, Identifikasi Sifat Magnetik Tanah dan Analisis Geoteknik Dikawasan Berpotensi Longsor, *Skripsi*, Jurusan Geofisika, FMIPA, Universitas Padjajaran, Bandung.
- Reynolds, J.M., 1997, *An Introduction to Applied and Environmental Geophysics*, John Wiley & Sons, Chichester.
- Shiels, A.B., West, C.A., Weiss, L., Klawinski, P.D., and Walke, L.R., 2008, *Soil Factors Predict Initial Plant Colonization on Puerto Rican Landslides*, *Plant Ecol*, Vol. 195, pp. 165–178.
- Sugimoto, T., T. Nozaki and H. Sakai. 2013. Applicability of Helicopter Magnetic Prospecting to the Landslide Area on the Rim Area of Toga-Gaben, *Journal of the Japan Society of Erosion Control Engineering*, Vol. 66, No. 1, pp. 23-29.
- Tamutuan G., Bijaksana S., King J., Russel J, Fauzi U, Maryunani K., Aufa, N, and Safiuddin L, 2015, Variation of Magnetic Properties in Sediments from Lake Towuti, Indonesia, and Its Paleoclimatic Significance, *Palaeogeography, Palaeoclimatology, Palaeocology*, vol. 420, pp 163-172.
- Tarling, D.H., and Hrouda, F., 1994, *The Magnetic Anisotropy of Rocks*, Chapman & Halls, 2-6 Boundary Row, London, SE 1 8 HN, UK; 1993, UK.
- Tauxe, L., 1998, *Paleomagnetic Principles and Practice*, Kluwer Academic Publishers, London, United Kingdom.
- Telford W.M., Geldart L.P., Sherif R.E. and Keys D.A., 1998, *Applied Geophysics*, Cambridge Univ. Press, Cambridge, 770 p.
- Terzaghi, K., and Peck, R.B., 1967, *Soil Mechanics in Engineering Practice* (2nd ed), John Wiley & Sons, New York.
- Turk, Y., 2017, The Effect of Soil Properties on Landslides along Forest Road, *Eur J Forest Eng 2017*, Vol. 3, No. 1, pp. 1-6.

Yamazaki, T., Hattori, K., Kaneda, H., Sakai, H., Izumi, Y., and Terajima, T.. 2017, Development of Monitoring System to Understand Preparation Processes of Rainfall-Induced Landslides Estimation of Slip Surface and In Situ Observation Using Electromagnetic Methods, *Denki Gakkai Ronbunshi*, Vol. 136-A, No. 5, Electronics and Communications in Japan, pp 297-303.

Wang, F., Xu, P., Wang, C., Wang, N., and Jiang, N., 2017, Application of a GIS-Based Slope Unit Method for Landslide Susceptibility Mapping along the Longzi River, Southeastern Tibetan Plateau, China, *International Journal of Geo-Information*, Vol. 6, No. 6, page. 17.

