



DAFTAR PUSTAKA

- Arifianti, Y., dan Agustin, F., 2017, An Assessment of the Effective Geofactors of Landslide Susceptibility: Case Study Cibeber, Cianjur, Indonesia: Springer Japan KK 2017, p. 183–195, doi:10.1007/978-4-431-54391-6_10.
- Badan Nasional Penanggulangan Bencana Indonesia, 2021, Geoportal Data Bencana Indonesia: <https://gis.bnppb.go.id/>. diakses (10 Januari 2023)
- Badan Penanggulangan Bencana Daerah DIY, 2020, DIBI Daerah Istimewa Yogyakarta: BPBD DIY
- Badan Standardisasi Nasional, 2016, Penyusunan dan Penentuan Zona Kerentanan Gerakan Tanah: www.bsn.go.id (diakses 15 Januari 2023)
- Barianto, D.H., Husein, S., Novian, M.I., dan Margono, U., 2017, Peta Geologi Lembar Wonosari skala 1:50.000: Pusat Survey Geologi Kementerian ESDM, Bandung
- Bekkar, M., Djemaa, H.K., dan Alitouche, T.A., 2013, Evaluation Measures for Models Assessment over Imbalanced Data Sets: Journal of Information Engineering and Applications, v. 3, p. 27–38, <http://www.iiste.org/Journals/index.php/JIEA/article/view/7633>.
- Bonham-Carter, 1994, Geographic information systems for geoscientists: Modelling with GIS: Computers & Geosciences, v. 21, p. 1110–1112, doi:10.1016/0098-3004(95)90019-5.
- Bousta, M., dan Brahim, L.A., 2018, Weights of evidence method for landslide susceptibility mapping in Tangier, Morocco:, doi:<https://doi.org/10.1051/matecconf/201814902042>.
- Budianta, W., 2020, Pemetaan Kawasan Rawan Tanah Longsor di Kecamatan Gedangsari, Kabupaten Gunungkidul, Yogyakarta dengan Metode Analytical Hierarchy Process (AHP): Jurnal Pengabdian kepada Masyarakat (Indonesian



Journal of Community Engagement), v. 6, p. 68, doi:10.22146/jpkm.45637.

Chung, C.-J.F., dan Fabbri, A.G., 2003, Validation of Spatial Prediction Models for Landslide Hazard Mapping: v. 30, p. 451–472, doi:10.1023/B:NHAZ.0000007172.62651.2b.

Confuorto, P., 2016, From site-scale to large areas monitoring of ground deformation phenomena by integration of different DInSAR techniques in Crotone Province (Southern Italy): Università degli Studi di Napoli “Federico II”, p. 232.

Cruden, D.M., dan Varnes, 1996, Landslide Types and Process; Landslides Investigation and Mitigation. Washington, DC: Special report 247, Transport Research Board, National Research Council, Editor : K. A. Turner dan R. Schuster, National Academy Press.

Fan, D., Cui, X.M., Yuan, D.B., Wang, J., Yang, J., dan Wang, S., 2011, Weight of evidence method and its applications and development: Procedia Environmental Sciences, v. 11, p. 1412–1418, doi:10.1016/j.proenv.2011.12.212.

Husein, S., dan Srijono, 2010, Peta Geomorfologi Daerah Istimewa Yogyakarta: Simposium Geologi Yogyakarta, v. 2, p. 1–6, doi:10.13140/RG.2.2.10627.50726.

Husein, S., dan Srijono, 2007, Tinjauan Geomorfologi Pegunungan Selatan DIY / Jawa Tengah : telaah peran faktor endogenik dan eksogenik dalam proses pembentukan pegunungan Tinjauan Geomorfologi Pegunungan Selatan DIY / Jawa Tengah : telaah peran faktor endogenik dan eksogenik dalam pro: v. 2, doi:10.13140/RG.2.1.2784.0727.

Ilia, I., dan Tsangaratos, P., 2015, Applying weight of evidence method and sensitivity analysis to produce a landslide susceptibility map: Landslides, v. 13, p. 379–397, doi:10.1007/s10346-015-0576-3.

INews Yogy, 2022, Tebing Watugajah Longsor Tutup Akses Jalan di Gedangsari



Gunungkidul:, <https://yogya.inews.id/berita/tebing-watugajah-longsor-tutup-akses-jalan-di-gedangsari-gunungkidul/2>. (diakses 10 Januari 2023)

Karnawati, D., 2005, Bencana Alam Gerakan Massa Tanah di Indonesia dan Upaya Penanggulangannya: Yogyakarta, Jurusan Teknik Geologi Fakultas Teknik Universitas Gadjah Mada.

Kurniawati, E., Husein, S., dan Setiawan, N.I., 2017, Karakteristik kekar tiang pada intrusi mikrogabro di Daerah Watu Gajah, Kecamatan Gedang Sari, Kabupaten Gunung Kidul, Provinsi D.I. Yogyakarta: Proceeding Seminar Nasional Kebumian ke-10, v. 2, p. 1114–1126.

Kusmajaya, S., Tjahjono, B., dan Barus, B., 2020, Bahaya Longsor di Kabupaten Sukabumi berbasis Metode Weight of Evidence (WoE), Logistic Regression (LR) dan Kombinasi WoE-LR: Jurnal Ilmu Tanah dan Lingkungan, v. 22, p. 101–106, doi:10.29244/jitl.22.2.101-106.

Le Maitre, R.W., (Ed.), Streckeisen, A., Zanettin, B., Le Bas, M.J., Bonin, B., Bateman, P., Bellieni, G., Dudek, A., Efremova, S., Keller, J., Lameyre, J., Sabine, P.A., Schmid, R., Sørensen, H., and Woolley, A.R., 2002, Igneous Rocks: A Classification and Glossary of Terms; Recommendations of the International Union of Geological Sciences Subcommission on the Systematics of Igneous Rocks, 2nd Edition. New York: Cambridge University Press. 30-32

Napolitano, E., 2011, Hydrological and Stability Modelling of Initial Landslides Triggering Debris Flows in Ash-Fall Deposits Covering Hillslopes Triggering Debris Flows in Ash - Fall Deposits Covering Hillslopes Surrounding S Omma -V Esuvius (Southern Italy). Candidato : T;, doi:10.13140/RG.2.1.1922.0643.

Nefeslioglu, H.A., Gokceoglu, C., Sonmez, H., dan Gorum, T., 2011, Medium-scale hazard mapping for shallow landslide initiation: The Buyukkoy



catchment area (Cayeli, Rize, Turkey): *Landslides*, v. 8, p. 459–483,
doi:10.1007/s10346-011-0267-7.

Nurwihastuti, D.W., Sartohadi, J., Mardianto, D., dan Nehren, U., 2013, Kajian Hubungan Karakteristik Geomorfologi dan Bawah Permukaan (Subsurface) Studi Kasus di Dataran Rendah Bantul, Yogyakarta, Indonesia: *Jurnal Saintika*, v. 13 (1), p. 17–27.

Pamela, Sadisun, A.I., Kartiko, R.D., dan Arifanti, Y., 2018, Metode Kombinasi Weight of Evidence (WoE) dan Logistic Regression (LR) untuk Pemetaan Kerentanan Gerakan Tanah di Takengon, Aceh: *Journal of Environment and Geological Hazards*, v. 9, p. 77–86.

Pradhan, B., Oh, H.J., dan Buchroithner, M., 2010, Weights-of-evidence model applied to landslide susceptibility mapping in a tropical hilly area: *Geomatics, Natural Hazards and Risk*, v. 1, p. 199–223,
doi:10.1080/19475705.2010.498151.

Prasetyadi, C., Sudarno, I., Indranadi, V., dan Surono, 2011, Pola dan Genesa Struktur Geologi Pegunungan Selatan, Provinsi Daerah Istimewa Yogyakarta dan Provinsi Jawa Tengah: *Jurnal Geologi dan Sumberdaya Mineral*, v. 21, p. 91–107.

Pusat Vulkanologi dan Mitigasi Bencana Geologi, 2013, Peta Zona Kerentanan Gerakan Tanah Kabupaten Gunungkidul, DIY

Saragih, I.Y.R., 2020, Zonasi Kerentanan Gerakan Tanah dengan Metode Weight of Evidence di Kecamatan Kokap, Kabupaten Kulon Progo, Provinsi Daerah Istimewa Yogyakarta (Skripsi tidak dipublikasikan): Yogyakarta, Universitas Gadjah Mada

Satyana, A.H., 2007, Central Java, Indonesia- A “Terra Incognita” in Petroleum Exploration: New Considerations on the Tectonic Evolution adn Petroleum Implications: Proceeding Indonesian Petroleum Association, 31st Annual Convention and Exhibition, Jakarta.,



Schmid, R., 1981, Descriptive nomenclature and classification of pyroclastic deposits and fragments: recommendations of the IUGS Subcommission on the Systematics of Igneous Rocks. *Geology* 9:41–43

Sezer, E.A., Pradhan, B., dan Gokceoglu, C., 2011, Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia: Expert Systems with Applications, v. 38, p. 8208–8219, doi:10.1016/j.eswa.2010.12.167.

Siswanto, D., 2021, Zonasi Kerentanan Gerakan Tanah dengan Metode Weight of Evidence di Desa Jurangjero dan Desa Tancep, Kecamatan Ngawen, Kabupaten Gunungkidul, Daerah Istimewa Yogyakarta (Skripsi tidak dipublikasikan): Yogyakarta, Universitas Gadjah Mada

Sribudiyani, Muchsin, N., R. Ryacudu, Kunto, T., Astono, P., Prasetya, I., Sapiie, B., Asikin, S., Harsolumakso, A.H., dan Yulianto, I., 2003, The Collision of the East Java Microplate and its Implication for Hydrocarbon Occurrences in the East Java Basin: Proceeding Indonesian Petroleum Association, 29th Annual Convention and Exhibition, Jakarta,.

Surono, 2009, Litostratigrafi Pegunungan Selatan Bagian Timur Daerah Istimewa Yogyakarta dan Jawa Tengah: *Jurnal Geologi dan Sumberdaya Mineral*, v. 19, p. 209–221.

Surono, Hartono, U., dan Permanadewi, S., 2006, Posisi Stratigrafi Dan Petrogenesis Intrusi Pendul, Perbukitan Jiwo, Bayat, Kabupaten Klaten, Jawa Tengah: *Geo-Resources*, v. XVI, p. 302–311.

Süzen, M.L., dan Doyuran, V., 2004, Data driven bivariate landslide susceptibility assessment using geographical information systems: A method and application to Asarsuyu catchment, Turkey: *Engineering Geology*, v. 71, p. 303–321, doi:10.1016/S0013-7952(03)00143-1.

TVOneNews, 2022, Hujan Deras, Tiga Bencana Longsor Terjadi di Gunungkidul:, <https://www.tvonenews.com/daerah/yogyakarta/34130-hujan-deras-tiga-bencana-longson-di-gungkidul>



UNIVERSITAS
GADJAH MADA

Zonasi Kerentanan Gerakan Tanah dengan Metode Weight of Evidence di Desa Hargomulyo dan Watugajah,
Kecamatan Gedangsari, Kabupaten Gunungkidul, Daerah Istimewa Yogyakarta
Fatwa Ma'ruf Ismunandar, Ir. Hendy Setiawan, S.T., M.Eng., Ph.D., IPM ; Rahmadi Hidayat, S.T., M.Eng., Ph.D.
Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

bencana-longsor-terjadi-di-gunungkidul. (diakses 10 Januari 2023)

Van Bemmelen, 1949, The Geology of Indonesia: Netherlands, Martinus Nijhoff.,
766 p.

Van Zuidam, R.A., 1985, Aerial Photo-Interpretation Terrain Analysis and
Geomorphology Mapping: Smits Publishers, The Hague, 442 p.

Varnes, D., 1978, Slope movement types and processes In: Special Report 176:
Landslides: Analysis and Control (Eds: Schuster, R. L. & Krizek, R. J.):
Transportation and Road Research Board, National Academy of Science,
Washington D. C., 11-33.

Vijith, H., dan Madhu, G., 2007, Estimating potential landslide sites of an upland
sub-watershed in Western Ghat's of Kerala (India) through frequency ratio and
GIS: Environmental Geology, v. 55, p. 1397–1405, doi:10.1007/s00254-007-
1090-2.