

DAFTAR PUSTAKA

- Anonim. 2014. <https://www.liputan6.com/news/read/2147024/6-cerita-longsor-banjarnegara-dari-tahun-ke-tahun>. Diakses pada tanggal 9 Agustus 2018
- Anonim. 2016. Statistik Daerah Kecamatan Karangkoar. Badan Pusat Statistik Kabupaten Banjarnegara
- Anonim. 2018. Kecamatan Karangkoar Dalam Angka. Badan Pusat Statistik Kabupaten Banjarnegara
- Ayalew dan Yamagishi. 2005. *The application of GIS-based logistic regression for landslide susceptibility mapping in the KakudaYahiko Mountains, Central Japan*. *Geomorphology* 65:15–31
- Bai SB, Wang J, Lu GN, Zhou PG, Hou SS, Xu SN 2010. *GIS-based logistic regression for landslide susceptibility mapping of the Zhongxian segment in the Three Gorges area, China*. *Geomorphology* 115:23–31
- BNPB 2014. *Info Bencana (Info Kebencanaan Bulanan Teraktual)*. https://bnpb.go.id/uploads/publication/1069/Info_Bencana_Desember.pdf. Diakses pada tanggal 9 Agustus 2018
- Bacha, A.S., Shafique, M. dan van der Werff. 2018. *Landslide inventory and susceptibility modelling using geospatial tools, in Hunza-Nagar valley, northern Pakistan*. *Journal of Mountain Science* 15(6). <https://doi.org/10.1007/s11629-017-4697-0>
- Carter, N.W. 1991. *Disaster Management: A Disaster Manager's Handbook*. Asian Development Bank. Manila
- Carrara, A. 1983. *A multivariate model for landslide hazard evaluation*. *Mathematical Geology. Journal of the International Association for Mathematical Geology*. June 1983, Volume 15, Issue 3, pp 403–426. <https://link.springer.com/article/10.1007/BF01031290>
- Carrara A, Cardinali M, Detti R, Guzetti F, Pasqui V, Reichenbach P. 1991. *GIS techniques and statistical models*. *Earth Surf Proc Land* 16:427–445
- Chau dan Chan. 2005. *Regional bias of landslide data in generating susceptibility maps using logistic regression for Hong Kong Island*. *Landslides*, 2, pp. 280–290.
- Chau, Kt., Thang, Y.F., Wong, R.H.C. 2004. *GIS-based rock fall hazard map for HongKong*. *Rock Mechanics*, 41(3), pp. 1–6.

- Chen, S.-C., Chou, H.-T., Chen, S.-C., Wu, C.-H., dan Lin, B.-S. 2014. *Characteristics of rainfall-induced landslides in Miocene formations : a case study of the Shenmu watershed, Central Taiwan*. Engineering Geology, Vol. 169, pp. 133-146.
- Cruden dan Varnes. 1996. *Landslide Types and Processes*. Transportation Research Board. U.S. National Academy of Sciences. Special Report, 247: 36-75. <https://www.researchgate.net/publication/269710331>
- Dai dan Lee. 2002, *Landslide characteristics and slope instability modelling using GIS*, Lantau Island, Hong Kong. Geomorphology, 42, pp. 213–228.
- Dai, F.C., Lee C.F., Tham, L.G., Ng, K.C. 2004. *Logistic regression modelling of storm-induced shallow land sliding in time and space on lantau island, Hong Kong*. Bulletin of Engineering Geology and Environment, 63, pp. 315–327
- Dai, F.C., Lee C.F., Li, J., Xu, Z.W. 2001. *Assessment of landslide susceptibility on the natural terrain of Lantau Island, Hong Kong*. Engineering Geology, 40, pp. 381–391.
- Dewi, C. 2017. *Analisis Sebaran Kerawanan Longsor Dan Arahan Mitigasi Dengan Metode Analytical Hierarchy Process (AHP) Di Desa Kelapa Dua Dan Desa Kunyi Di Kecamatan Anreapi Kabupaten Polewali Mandar Propinsi Sulawesi Barat*. Universitas Gadjah Mada. Yogyakarta
- Dewi, H.N. 2019. *Analisis Risiko dan Arahan Mitigasi Bencana Longsor di Kawasan Daerah Tangkapan Air Karangobar Kabupaten Banjarnegara*. Universitas Gadjah Mada. Yogyakarta
- Eastman JR. 2009. *Idrisi Taiga, guide to GIS and image processing, user's guide* (Ver. 15). Clark University Press, USA, 328 p
- Ercanoglu dan Temiz, 2011. *Application of logistic regression and fuzzy operators to landslide susceptibility assessment in Azdavay (Kastamonu, Turkey)*. Environ Earth Sci (2011) 64:949–964. DOI 10.1007/s12665-011-0912-4. Springer
- García-Rodríguez, M.J., Malpica, J.A., Benito B., Díaz M.. 2008. *Susceptibility assessment of earthquake-triggered landslides in El Salvador using logistic regression*. Geomorphology, 95, 172–191.
- Ghozali, I. 2005. *Analisis Multivariate SPSS*. Badan Penerbit Universitas Diponegoro. Semarang

- Guzzetti. 2005. *Landslide Hazard And Risk Assessment. Concepts, Methods and Tools For The Detection And Mapping Of Landslides, For Landslide Susceptibility Zonation And Hazard Assessment, And For Landslide Risk Evaluation*. Dapat diakses di <https://geomorphology.irpi.cnr.it>. Perugia. Italy
- Haigh dan Rawat. 2011. *Landslide causes: Human impacts on a Himalayan landslide*. <http://journals.openedition.org/belgeo/6311>; DOI:10.4000/belgeo. National Committee of Geography of Belgium, Société Royale Belge de Géographie
- Hungr, O, Leroueil, S dan Picarelli, L. 2014. *The Varnes classification of landslide types, an update*. Landslides. Volume 11 Issue 2, pp 167–194.
- Hardiyatmo. 2012. *Tanah Longsor dan Erosi : Kejadian dan Penanganannya*. Gadjah Mada University Press. Yogyakarta.
- Hutomo, I.A dan Maryono. 2016. *Model Prediksi Kawasan Rawan Bencana Tanah Longsor di Kecamatan Karangkoar*. Biro Penerbit Planologi Undip Volume 12(3): 303 -314. Semarang
- Hosmer, D. W., Lemeshow, S. dan Sturdivant, R.X.. 2013. *Applied Logistic Regression* (3rd ed). New York. Willey
- [Http://dibi.bnpp.go.id/](http://dibi.bnpp.go.id/). Diakses pada tanggal 9 Agustus 2018
- Jenks, G. F. 1977. *Optimal data classification for choropleth maps*. Univ. of Kansas.
- Karnawati D. 2005. *Bencana Alam Gerakan Massa tanah di Indonesia dan Upaya Penanggulangannya*. Jurusan Teknik Geologi Fakultas Teknik Universitas Gadjah Mada. Yogyakarta
- Latan H. 2014. *Aplikasi Analisis Data Statistik Untuk Ilmu Sosial Sains dengan IBM SPSS*. ALFABETA. Bandung.
- Lee S, Ryu JH, Kim LS. 2007. *Landslide susceptibility analysis and its verification using likelihood ratio, logistic regression, and artificial neural network models: case study of Youngin, Korea*. Landslides 4:327–338
- Lee. 2004. *Application of likelihood ratio and logistic regression models to landslide susceptibility mapping using GIS*. *Environmental Management*, 34, pp. 223–232.

- Lee dan Talib. 2005. *Probabilistic landslide susceptibility and factor effect analysis*. *Environ Geol* 47:982–990
- Lee dan Sambath. 2006. *Landslide susceptibility mapping in the Damrei Romel area, Cambodia using frequency ratio and logistic regression models*. *Environmental Geology*, 50, pp. 847–855.
- Mancini F, Ceppi C, Ritrovato G. 2010. *GIS and statistical analysis for landslide susceptibility mapping in the Daunia area, Italy*. *Nat Hazards Earth Syst Sci* 10:1851–1864
- Mandrekar J.N. 2010. *Receiver Operating Characteristic Curve in Diagnostic Test Assessment*. Department of Health Sciences Research, Mayo Clinic, Rochester, Minnesota.
- Menard. 2001. *Applied Logistic Regression Analysis*, 2nd edition, 111 pp (Thousand Oaks, CA: Sage)
- Munawaroh. 2017. *Analisis Kerawanan Daerah Aliran Sungai (DAS) berdasarkan Geomorfometri dan Kerawanan Longsor Di DAS Bogowonto*. Universitas Gadjah Mada. Yogyakarta
- Nandi A, Shakoor A .2009. *A GIS-based landslide susceptibility evaluation using bivariate and multivariate statistical analyses*. *Eng Geol* 110:11–20
- Nefeslioglu, H.A, Gokceoglu, C, Sonmez H. 2008. *An assessment on the use of logistic regression and artificial neural networks with different sampling strategies for the preparation of landslide susceptibility maps*. *Eng Geol* 97:171–191
- Noor, D. 2005. *Geologi Lingkungan*. Graha Ilmu-Yogya. UIEU-Univ. Press. Jakarta.
- Paimin., Sukresno dan Pramono I.B. 2009. *Teknik Mitigasi Banjir dan Tanah Longsor*. Tropenbos International Indonesia Programme. ISBN 978-979-3145-46-4. Balikpapan
- Pamela, Sadisun I.A, Kartiko R.D, dan Arifianti Y. 2018. *Metode Kombinasi Weight of Evidence (WoE) dan Logistic Regression (LR) untuk Pemetaan Kerentanan Gerakan Tanah di Takengon, Aceh*. *Jurnal Lingkungan dan Bencana Geologi*. ISSN: 2086-7794, e-ISSN: 2502-8804

- Persichillo. 2016. *The role of land use changes in the distribution of shallow landslides*. Department of Earth and Environmental Sciences, University of Pavia, Via Ferrata, 1, 27100 Pavia, Italy. <http://dx.doi.org/10.1016/j.scitotenv.2016.09.125>. www.elsevier.com
- Pradhan, B., Lee S., Buchroithner, M. 2010. *Remote Sensing and GIS-based Landslide Susceptibility Analysis and its Cross-validation in Three Test Areas Using a Frequency Ratio Model*. E. Schweizerbart'sche Verlagsbuchhandlung. Stuttgart. Germany. DOI: 10.1127/1432-8364/2010/0037
- Pradhan B., Lee S. 2010. *Landslide susceptibility assessment and factor effect analysis: back propagation artificial neural networks and their comparison with frequency ratio and bivariate logistic regression modelling*. *Environ Model Softw* 25:747–759
- Pradhan, B., Mansor, S., dan Pirasteh S. 2011. *Landslide Susceptibility Mapping: an Assessment of the Use of an Advanced Neural Network Model with Five Different Training Strategies*. Institute of Advanced Technology, Spatial & Numerical Modelling Laboratory University Putra Malaysia Serdang, 43400, Selangor Darul Ehsan Malaysia. DOI: 10.5772/15738.
- Pusat Pengelolaan Ekoregion Jawa Kementerian Lingkungan Hidup. 2013. IKLH 9 DAS PRIORITAS JAWA.
- Republik Indonesia. 2007. *Undang-Undang Republik Indonesia Nomor 24 Tahun 2007 Tentang Penanggulangan Bencana*.
- _____. 2006. *Keputusan Menteri Kesehatan Republik Indonesia Nomor 066/MENKES/SK/II/2006 Tentang Pedoman Manajemen Sumber Daya Manusia (SDM) Kesehatan Dalam Penanggulangan Bencana*.
- Roşca, S., Stefan, B., Petrea, D., Fodorean, I., Vescan, I., Filip, S. dan. Măguţ, F.–L. 2015. *Large scale landslide susceptibility assessment using the statistical methods of logistic regression and BSA – studycase: the sub-basin of the small Niraj (Transylvania Depression, Romania)*. Copernicus Publications. European Geosciences Union.
- Sassa dan Canuti, 2009. *Landslides – Disaster Risk Reduction*. ISBN: 978-3-540-69966-8. springer-Verlag Berlin Heidelberg 2009.
- Mousavi, S.Z., Ataollah, K., Karim S., Mousavi, S.R dan Shirzadi, A. 2011. *GIS-based spatial prediction of landslide susceptibility using logistic regression*

mode., Geomatics, Natural Hazards and Risk. 2:1, 33-50, DOI:10.1080/19475705.2010.532975.

Sutarno. 2012. *Study Kerentanan Gerakan Massa Batuan dan Daerah Rawan Longsor Lahan Di Kabupaten Purworejo.* Program Studi Ilmu Tanah Fakultas Pertanian Universitas Sebelas Maret Surakarta. Sains Tanah-Jurnal Ilmu Tanah dan Agroklimatologi 9 (2) 2012

Ubaidillah, T. 2017. *Kerawanan Longsor Lahan di Kecamatan Banyumanik Kota Semarang.* Universitas Gadjah Mada. Yogyakarta

Van Westen CJ, Terlien MJT. 1996. *An approach towards deterministic landslide hazard analysis in GIS: a case study from Manizales (Columbia).* Earth Surf Proc Land 21:853– 868

Vijith dan Madhu. 2007. *Aplication of GIS and Frequency Ratio Model in Mapping the Potential Surface Failure Sites in the Ponnjar sub-watershed of Meenachil River in Western Ghats of Kerala.* Mahatma Ghandi University. India

Waldo, T. 1987. *Measuring spatial resolution.* Geography Department University of California

Wiratama, R. 2017. *Aplikasi Sistem Informasi Geografis (SIG) Metode Logistic Regression untuk Evaluasi Stabilitas Lereng Batuan serta Perbandingannya dengan Metode Slope Stability Probability Classification (SSPC) pada Kawasan Piyungan-Patuk Daerah Istimewa Yogyakarta.* Universitas Gadjah Mada. Yogyakarta

Wu, H., Huang, M., Tang, Q., Kirschbaum, D.B., Ward, P. 2016. *Hydrometeorological Hazards: Monitoring, Forecasting, Risk Assessment, and Socioeconomic Responses.* Hindawi Publishing Corporation. Volume 2016, Article ID 2367939, 3 pages. <http://dx.doi.org/10.1155/2016/2367939>

Yamagishi, H dan Bhandary N.P. 2017. *Gis Landslide.* ISBN 978-4-431-54391-6 (eBook) DOI 10.1007/978-4-431-54391-6. Springer

Yılmaz, I. 2009. *Landslide susceptibility mapping using frequency ratio, logistic regression, artificial neural networks and their comparison: a case study from Kat landslides (Tokat-Turkey).* Comp Geosci 35(6):1125–1138

Zevenbergen dan Thorne. 1987. *Quantitative Analysis of Land Surface Topography.* Earth Surface Processes And Landforms 12:47-56.



Zonasi Kerawanan Longsor Menggunakan Binary Logistic Regression dan Arahan Mitigasinya di Daerah Tangkapan Air Karangobar, Kecamatan Karangobar, Kabupaten Banjarnegara, Provinsi Jawa Tengah

VIYATA RADJAH, Dr. Hatma Suryatmojo, S.Hut., M.Si; Dr. Ngadisih, STP., M.Sc.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Zezeze, J. L., Reis, E., Garcia, R., Oliveira, S., Rodrigues, M. L., Vieira, G. dan Ferreira, A. B. 2004. *Integration of spatial and temporal data for the definition of different landslide hazard scenarios in the area north of Lisbon (Portugal)*. Natural Haz Earth Sys Sciences 4:pp 133–146