



## DAFTAR PUSTAKA

Agliardi, F. (2012). Landslides: Definitions, Classification, Causes. *Educational Project Geological Field Trip and Workshop Czech Geological Survey – Geological Survey of Austria – UNIMIB Koefels – Suedtirol – Matrei, 17-20 June 2012.*

[http://www.geology.cz/projektvzdelavani/Pomocna/01\\_agliardi\\_landslides.pdf](http://www.geology.cz/projektvzdelavani/Pomocna/01_agliardi_landslides.pdf).

Ahmed, S. & De Marsily, G. (1987). Comparison of Geostatistical Methods for Estimating Transmissivity Using Data on Transmissivity and Specific Capacity. *Water Resources Research, 23(9), 1717-1737.*

Artanto, A. & Purwanto, T. H. (2015). Comparison of Interpolation Methods Based on Variation of Relief in Processing Digital Elevation Model Part of East Java. *Jurnal Bumi Indonesia, 4(3).*

Badan Pusat Statistik. (2019). *Kecamatan Madukara dalam Angka 2019*. Diakses pukul 22:10 WIB tanggal 15 Oktober 2020, <https://banjarnegarakab.bps.go.id/publication/2019/09/26/b6fb534773b8d3589184552/kecamatan-madukara-dalam-angka-2019.html>

Badan Pusat Statistik. (2019). *Kecamatan Pagetan dalam Angka 2019*. Diakses pukul 22:12 WIB tanggal 15 Oktober 2020, <https://banjarnegarakab.bps.go.id/publication/2019/09/26/b6e3db29756bd036e6bb0d1/kecamatan-pagetan-dalam-angka-2019.html>

Binh, T. Q. & Thuy, N. T. (2008). Assessment of The Influence of Interpolation Techniques on The Accuracy of Digital Elevation Model. *Earth Science, 24, 176-183.*

BMKG. (2017). *Normal Hujan Bulanan*. Diakses pukul 20:02 WIB tanggal 2 Juni 2021, <https://bmkg sampali.net/normal-hujan-bulanan/>

Brus, D.J., Heuvelink, G.B.M.. (2007). Optimization of sample patterns for universal kriging of environmental variables. *Geoderma, 138 (1–2), 86–95.*



Carvalho JRP, Silveira PM, & Vieira SR. (2002). Geostatistics in determining the spatial variability of soil chemical characteristics under different preparations. *Pesq. Agropec. Bras.* 37, 1151-1159.

Condon, W. H., Pardyanto, L., Ketner, K. B., Amin, T. C., Gafoer, S., & Samodra, H. (1996). *Peta Geologi Lembar Banjarnegara dan Pekalongan, Edisi ke-2*. Pusat Penelitian dan Pengembangan Geologi

Cruden, D. M. & Varnes, D.J. (1996). Landslide Types and Process: Chapter 3 in Turner, A.K. and Schuster, R.L (Editors) 1996: Landslide – Investigation and Mitigation. *Special Report 247, Transportation Research Board, National Research Council, National Academy Press Washington D.C.*, 247, 36-75.

Effendi, A. (1985). *Peta Unit Akuifer Cekungan Airtanah Pekalongan-Pemalang*. Bandung: Badang Geologi.

Fitri, S.R. & Pranoto, B. (2014). Pemanfaatan Metode Kriging untuk Perapatan Data Spasial Radiasi Surya. *Ketenagalistrikan dan Energi Terbarukan*, 13, 1, 51-60.

Florinsky, I. V. (1998). Combined Analysis of Digital Terrain Models and Remotely Sensed Data in Landscape Investigations. *Progress in Physical Geography* 22 (1), 33-60.

Florinsky, I. V., Eilers, R. G., Manning, G. R., & Fuller, L. G. (2002). Prediction of Soil Properties by Digital Terrain Modelling. *Environmental Modelling & Software*, 17, 295-311.

Florinsky, I.V. & Kuryakova, G. A. (2010). Determination of Grid Size for Digital Terrain Modelling in Landscape Investigations-Exemplified by Soil Moisture Distribution at A Micro-Scale. *International Journal of Geographical Information Science*, 14(8), 815-832.

Goovaerts, P. (1999). Geostatistics in Soil Science: State-of-The-Art and Perspectives. *Geoderma Elsivier*, 89(1-2), 1-45.

Gutierrez, M. (2013). *Geomorphology*. Leiden: CRC Press/Balkema.



Hardiyatmo, H. C. (2012). *Tanah Longsor dan Erosi - Kegadian dan Penanganan*.

Yogyakarta: Gadjah Mada University Press.

Hengl, T., Gruber, S., & Shrestha, D. P. (2003). *Digital Terrain Analysis in ILWIS*. Enschede: International Institute for Geo-Information Science and Earth Observation Enschede, The Netherlands, ITC.

Hengl, T., Heuvelink, G.B.M & Stein, A. (2003). A Generic Framework for Spatial Prediction of Soil Variables Based on Regression-Kriging. *Geoderma*, 120, 75-93.

Hengl, T., Heuvelink, G.B.M., & Rossiter, D.G. (2007). About Regresion-Kriging; From Aruations To Case Studies. *Computers & Geosciences*, 33, 1301-1315.

Hengl, T. (2007). *A Practical Guide to Geostatistical Mapping of Environmental Variables*. Italy: European Commission Joint Research Centre Institute for Environment and Sustainability.

Hengl, T., Loon, E.V., Sierdsema, H., & Boutsen W. (2008). Advancing Spatio-Temporal Analysis of Ecological Data: Examples in R. *ICCSA 2008, part 1, LNCS 5072*, 692-707.

Hornik, K. (2017). *R FAQ: Frequently Asked Questions on R*. Diakses pukul 23:58 WIB tanggal 24 Juli 2018, <https://cran.r-project.org/doc/FAQ/R-FAQ.html>

Hungr, O., Leroueil, S., & Picarelli, L. (2013). The Varbes Classification of Landslide Types, An Update. *Article Landslides Springer*, DOI 10.1007/s10346-013-0436-y.

Husein, S., Jyalita, J., & Nursecha, M. A. Q. (2013). Kendali Stratigrafi dan Struktur Gravitasi pada Rembesan Hidrokarbon Sijenggung, Cekungan Serayu Utara. *Prosiding Seminar Nasional Kebumian ke-6, Teknik Geologi Universitas Gadjah Mada, 11-12 Desember 2013*.

ILWIS (Integrated Land and Water Information System). (2001). *Ilwis 3.0 Academic User's Guide*. Enschede: ITC..



Kamtono, Praptisih, & Siregar, M. S. (2005). Studi Potensi Batuan Induk pada Sub Cekungan Banyumas dan Serayu Utara. *Geologi dan Pertambangan, Pusat Penelitian Geoteknologi LIPI*, 15(1).

Keefer, D. K. (1984). Landslides Caused By Earthquakes. *Geological Society of America Bulletin*, 95(4), 406–421.

Kementerian Energi dan Sumber Daya Mineral (2016). Laporan Singkat Pemeriksaan Gerakan Tanah di Kp. Clapar, Desa Clapar, Kecamatan Madukara, Kabupaten Banjarnegara, Provinsi Jawa Tengah. *Laporan*.

Knapen, A., Kitutu, M. G., Poesen, J., Breugelmans, W., Deckers, J., & Muwanga, A. (2006). Landslides in A Densely Populated Country at The Footslopes of Mount Elgon (Uganda): Characteristics and Causal Factors. *Geomorphology*, 73(1–2), 149–165.

Kuriakose, S. L., Devkota, S., Rossiter, D. G., & Jetten, V. G. (2009). Prediction of Soil Depth Using Environmental Variables in An Anthropogenic Landscape, A Case Study in The Western Ghats of Kerala, India. *Catena* 79 (2009) 27-38.

Lobeck, A.K (1939). *Geomorphology : An Introduction To The Study of Landscapes*. New York: McGraw-Hill Book Company, Inc.

Malone, B. P., Minasny, B., & McBratney, A. B. (2017). *Using R for Digital Soil Mapping*. Switzerland: Springer.

Marfai, M. A. (2015). *Pemodelan Geografi*. Yogyakarta: Ombak.

Mc Bratney, A.B. & Webster, R. (1986). Choosing Functions for Semi-variograms of Soil Properties and Fitting Them to Sampling Estimates. *Soil Science*, 37, 617-639.

Novotny, J. (2013). Varnes Landslide Classification (1978). *Czech Republic Development Cooperation, Addis Ababa University, Ethiopia*.  
[http://www.geology.cz/projekt681900/vyukovematerialy/2\\_Varnes\\_landslide\\_classification.pdf](http://www.geology.cz/projekt681900/vyukovematerialy/2_Varnes_landslide_classification.pdf)



- Odeh, I., McBratney, A., & Chittleborough, D. (1994). Spatial Prediction of Soil Properties from Landform Attributes Derived from A Digital Elevation Model. *Geoderma* 63 (3 – 4), 197 – 214.
- Odeh, I., McBratney, A., & Chittleborough, D. (1995). Further Results On Prediction of Soil Properties from Terrain Attributes: Heterotopic Cokriging and Regression-Kriging. *Geoderma* 67 (3 – 4), 215 – 226.
- Pramono, G.H. (2008). Akurasi Metode IDW Dan Kriging Untuk Interpolasi Sebaran Sedimen Tersuspensi di Maros, Sulawesi Selatan. *Forum Geografi*, 22, 145-158.
- Purnama, S. (2010). Potensi Sumberdaya Air DAS Serayu. *JRL* 6(3), 291-303, ISSN 2085-3866.
- Purnomo, H. & Sumarjono, E. (2015). Geologi Dan Estimasi Sumber Daya Nikel Laterit Menggunakan Metode Ordinary Kriging Di Blok R, Kabupaten Konawe – Sulawesi Tenggara. *Prosiding Seminar Nasional ReTII ke-10 STTNAS*.
- Samodra, G., et al. (2018). Correction to: The March 24 and 29, 2016 Landslide-Induced Debris Flow at Clapar, Banjarnegara, Central Java. *Landslide*, 15, 5, pp 995.
- Sarkar, S., Roy, A. K., & Martha, T. R. (2013). Soil Depth Estimation Through Soil-Landscape Modelling Using Regression Kriging in A Himalayan Terrain. *International Journal of Geographical Information Science*, 27, 12, 2436-2454.
- Sartohadi, J., Suratman, Jamulya, & Dewi, N. I. S. (2014). *Pengantar Geografi Tanah*. Yogyakarta: Pustaka Pelajar.
- Sassa, K., Rouhban, B., Briceño, S., McSaveney, M., & He, B. (2013). *Landslides: Global risk preparedness*. *Landslides: Global Risk Preparedness*.



Schaetzl, R. J., & Anderson, S. (2005). *Soils: Genesis and Geomorphology*. New York: Cambridge University Press. Diakses pukul 22:54 WIB tanggal 30 Juli 2018, [www.cambridge.org/9780521812016](http://www.cambridge.org/9780521812016)

Schmidt, J., & Dikau, R. (2005). Preparatory and Triggering Factors for Slope Failure: Analyses of Two Landslides in Bonn, Germany. *Zeitschrift Für Geomorphologie*, 49, 121–138.

Shary, P. A. (1991). The Second Derivative Topographic Method in The Geometry of The Earth Surface Structures. *Pushchino Research Centre Press, Russia*, 30-60.

Strahler, A. (2011). *Introducing Physical Geography (Fifth Edition)*. John Wiley & Sons, Inc.

Sulebak, J.R. (2000). Applications of Digital Elevation Models. *Department of Geographic Information Technology, SINTEF Institute of Applied Mathematics, DYNAMAP White paper 2000*.

Sumaryono, Wahyudi, D. R., Muslim, D., & Sulaksana, N. (2014). Gempabumi Pemicu Longsoran Pada Endapan Piroklastik Jatuh Studi Kasus: Padang Pariaman, Sumatra Barat, Indonesia. 220–231.

Summerfield, M. A. (1991). *Global Geomorphology: An Introduction to the study of landforms*. Longman.

Sutanto, T. P. & Fitria, N. (2018). Klasifikasi Bentuklahan secara Otomatis Menggunakan Topographic Position Index. *Jurnal Geografi*, 14(2), 75-83.

Tjahjono, E. (2002). Inventarisasi Bitumen Padat Daerah Banjarnegara, Kabupaten Banjarnegara Propinsi Jawa Tengah. *Kolokium Direktorat Inventarisasi Sumber Daya Mineral (DIM) TA. 2002*.

Uyanik, G. K. & Guler, N. (2013). A Study On Multiple Linear Regression Analysis. *Social and Behavioral Sciences, Procedia, ScienceDirect*, 106, 234-240.



Varnes, D. J. (1984). The principles and practice of landslide hazard zonation.

*Bulletin of the International Association of Engineering Geology - Bulletin de l'Association Internationale de Géologie de l'Ingénieur.*

Verstappen, H. T. (2013). *Garis Besar Geomorfologi Indonesia*. Diterjemahkan oleh: Sutikno dan Suratman ed. Yogyakarta: Gadjah Mada University Press.

Vijay, K. & Ramadevi. (2006). Kriging of Groundwater Levels – A Case Study. *Spatial Hydrology, 6, No.1.*

Weiss, A. D. (2001). *Topographic Position and Landforms Analysis Andrew D. Weiss*. Seattle: The Nature Conservancy.

Yitagesu, F. A. (2012). *Remote Sensing and Geotechnical Investigations of Expansive Soils*. Netherland: ITC Printing Department.

Zuidam, V. R. A. (1983). *Guide to Geomorphologic Aerial Photographic Interpretation and Mapping*. Netherland: Smith Publisher, ITC.

Zuidam, V. R. A. (1985). *Aerial Photo – Interpretation in Terrain Analysis and Geomorphologic Mapping*. Netherland: Smith Publisher, ITC.

Zuidam, V. R. A & Cancelado, Z. F. I. (1985). *Terrain Analysis and Classification Using Areal Photographs, A Geomorphologycal Approach*. Enschede, Netherland: ITC.