



DAFTAR PUSTAKA

- Acosta, J. A., Martínez-Martínez, S., Faz, A., & Arocena, J. (2011). Accumulations of major and trace elements in particle size fractions of soils on eight different parent materials. *Geoderma*, 161(1-2), 30-42.
- Alhammadi, M. S., & Gheblawi, M. S. (2013). Correlation of Students' Estimation and Laboratory Determination of Soil Texture. *Developments in Soil Classification, Land Use Planning and Policy Implications: Innovative Thinking of Soil Inventory for Land Use Planning and Management of Land Resources*, 393-403.
- Ariza-López, F. J., Rodriguez-Avi, J., & Alba-Fernandez, M. V. (2018, July). Complete control of an observed confusion matrix. In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium* (pp. 1222-1225). IEEE.
- Amelung, W., Zech, W., & Flach, K. W. (1997). Climatic effects on soil organic matter composition in the Great Plains. *Soil Science Society of America Journal*, 61(1), 115-123.
- Amirian-Chakan, A., Minasny, B., Taghizadeh-Mehrjardi, R., Akbarifazli, R., Darvishpasand, Z., & Khordehbin, S. (2019). Some practical aspects of predicting texture data in digital soil mapping. *Soil and Tillage Research*, 194, 104289.
- Anda, M., Ritung, S., Suryani, E., Hikmat, M., Yatno, E., Mulyani, A., & Subandiono, R. E. (2021). Revisiting tropical peatlands in Indonesia: Semi-detailed mapping, extent and depth distribution assessment. *Geoderma*, 402, 115235.
- Azizi, K., Garosi, Y., Ayoubi, S., & Tajik, S. (2023). Integration of Sentinel-1/2 and topographic attributes to predict the spatial distribution of soil texture fractions in some agricultural soils of western Iran. *Soil and Tillage Research*, 229, 105681.



- Bai, L., Shi, C., Li, L., Yang, Y., & Wu, J. (2018). Accuracy of CHIRPS satellite-rainfall products over mainland China. *Remote Sensing*, 10(3), 362.
- Belgiu, M., & Drăguț, L. (2016). Random forest in remote sensing: A review of applications and future directions. *ISPRS journal of photogrammetry and remote sensing*, 114, 24-31.
- Bhogapurapu, N., Dey, S., Mandal, D., Bhattacharya, A., Karthikeyan, L., McNairn, H., & Rao, Y. S. (2022). Soil moisture retrieval over croplands using dual-pol L-band GRD SAR data. *Remote Sensing of Environment*, 271, 112900.
- Bhunia, G. S., Kumar Shit, P., & Pourghasemi, H. R. (2019). Soil organic carbon mapping using remote sensing techniques and multivariate regression model. *Geocarto International*, 34(2), 215-226.
- Boettinger, J. L., Ramsey, R. D., Bodily, J. M., Cole, N. J., Kienast-Brown, S., Nield, S. J., ... & Stum, A. K. (2008). Landsat spectral data for digital soil mapping. In *Digital soil mapping with limited data* (pp. 193-202). Springer, Dordrecht.
- Breiman, L. (2001). Random forests. *Machine learning*, 45, 5-32.
- Breiman, L., Cutler, A., Liaw, A., & Wiener. (2022). *randomForest: Breiman and Cutler's Random Forests for Classification and Regression*. R package version 4.7-1.1 URL [randomForest: Breiman and Cutler's Random Forests for Classification and Regression \(r-project.org\)](https://CRAN.R-project.org/package=randomForest)
- Burrough, P. A., van Gaans, P. F., & MacMillan, R. A. (2000). High-resolution landform classification using fuzzy k-means. *Fuzzy sets and systems*, 113(1), 37-52.
- Byron, J. R. (1994). Spectral encoding of soil texture: a new visualization method. *GIS/LIS Proceedings, Phoenix, Airz*, 125-132.
- Casa, R., Castaldi, F., Pascucci, S., Palombo, A., & Pignatti, S. (2013). A comparison of sensor resolution and calibration strategies for soil texture estimation from hyperspectral remote sensing. *Geoderma*, 197, 17-26.



- Coblinski, J. A., Inda, A. V., Demattê, J. A., Dotto, A. C., Gholizadeh, A., & Giasson, É. (2021). Identification of minerals in subtropical soils with different textural classes by VIS–NIR–SWIR reflectance spectroscopy. *CATENA*, 203, 105334.
- Coelho, F. F., Giasson, E., Campos, A. R., & Costa, J. J. F. (2021). Geographic object-based image analysis and artificial neural networks for digital soil mapping. *Catena*, 206, 105568.
- Comber, A., Fisher, P., Brunsdon, C., & Khmag, A. (2012). Spatial analysis of remote sensing image classification accuracy. *Remote Sensing of Environment*, 127, 237-246.
- Danoedoro, P. (2012). Pengantar penginderaan jauh digital. *Penerbit Andi, Yogyakarta*.
- David, O. O. (1999). Improvement in field texture accuracy for sustainable agriculture. *Journal of Sustainable Agriculture*, 15(2-3), 61-68.
- De Reu, J., Bourgeois, J., Bats, M., Zwertvaegher, A., Gelorini, V., De Smedt, P., ... & Cromb  , P. (2013). Application of the topographic position index to heterogeneous landscapes. *Geomorphology*, 186, 39-49.
- Dharumarajan, S., & Hegde, R. (2022). Digital mapping of soil texture classes using Random Forest classification algorithm. *Soil Use and Management*, 38(1), 135-149.
- Dinku, T., Funk, C., Peterson, P., Maidment, R., Tadesse, T., Gadaun, H., & Ceccato, P. (2018). Validation of the CHIRPS satellite rainfall estimates over eastern Africa. *Quarterly Journal of the Royal Meteorological Society*, 144, 292-312.
- Djaenudin, D., Marwan, H., Subagyo, H., Mulyani, A., dan Suharta, N. (2003). *Kriteria Kesesuaian Lahan Untuk Komoditas Pertanian*. Pusat Penelitian Tanah dan Agroklimat. Bogor.



- Dodd, M. B., Lauenroth, W. K., Burke, I. C., & Chapman, P. L. (2002). Associations between vegetation patterns and soil texture in the shortgrass steppe. *Plant Ecology*, 158, 127-137.
- Duan, M., & Zhang, X. (2021). Using remote sensing to identify soil types based on multiscale image texture features. *Computers and Electronics in Agriculture*, 187, 106272.
- Fjellstad, W. J., & Dramstad, W. E. (1999). Patterns of change in two contrasting Norwegian agricultural landscapes. *Landscape and Urban Planning*, 45(4), 177-191.
- Franceschini, M. H. D., Demattê, J. A. M., da Silva Terra, F., Vicente, L. E., Bartholomeus, H., & de Souza Filho, C. R. (2015). Prediction of soil properties using imaging spectroscopy: Considering fractional vegetation cover to improve accuracy. *International Journal of Applied Earth Observation and Geoinformation*, 38, 358-370.
- Funk, C., Peterson, P., Landsfeld, M., Pedreros, D., Verdin, J., Shukla, S., ... & Michaelsen, J. (2015). The climate hazards infrared precipitation with stations—a new environmental record for monitoring extremes. *Scientific data*, 2(1), 1-21.
- Glasgow G. Stratified sampling types. Editor(s): Kempf-Leonard K, Encyclopedia of Social Measurement, Elsevier, 2005, pages 683-688.
- Grunwald, S. (2009). Multi-criteria characterization of recent digital soil mapping and modeling approaches. *Geoderma*, 152(3-4), 195-207.
- Gurung, R. B., Breidt, F. J., Dutin, A., & Ogle, S. M. (2009). Predicting Enhanced Vegetation Index (EVI) curves for ecosystem modeling applications. *Remote Sensing of Environment*, 113(10), 2186-2193.
- Gutman, G., & Ignatov, A. (1998). The derivation of the green vegetation fraction from NOAA/AVHRR data for use in numerical weather prediction models. *International Journal of remote sensing*, 19(8), 1533-1543.



Haas, J. (2010). Soil moisture modelling using TWI and satellite imagery in the Stockholm region.

Hardjowigeno, S. (2015). Ilmu tanah. Cetakan kedelapan. *Akademika Pressindo*, Jakarta.

Hamarashid, N. H., Othman, M. A., & Hussain, M. A. H. (2010). Effects of soil texture on chemical compositions, microbial populations and carbon mineralization in soil. *Egypt. J. Exp. Biol.(Bot.)*, 6(1), 59-64.

Hewins, D. B., Lyseng, M. P., Schoderbek, D. F., Alexander, M., Willms, W. D., Carlyle, C. N., ... & Bork, E. W. (2018). Grazing and climate effects on soil organic carbon concentration and particle-size association in northern grasslands. *Scientific Reports*, 8(1), 1336.

Huete, A. R. (1988). A soil-adjusted vegetation index (SAVI). *Remote sensing of environment*, 25(3), 295-309.

Irvin, B. J., Ventura, S. J., & Slater, B. K. (1997). Fuzzy and isodata classification of landform elements from digital terrain data in Pleasant Valley, Wisconsin. *Geoderma*, 77(2-4), 137-154

Jiang, Z., Huete, A. R., Chen, J., Chen, Y., Li, J., Yan, G., & Zhang, X. (2006). Analysis of NDVI and scaled difference vegetation index retrievals of vegetation fraction. *Remote sensing of environment*, 101(3), 366-378.

Junkar, M. (1998). Towards Intelligent Machining Using Inductive Machine Learning. *IFAC Proceedings Volumes*, 31(15), 737-742.

Karimi, A., Borujeni, I. E., & Ganjehie, M. G. (2018). Description of Soil Evolution in Southern Mashhad City Using Jenny's and Johnson and Watson-Stegner's Conceptual Models. *Pedosphere*, 28(4), 656-665.

Kristof, S. J., Baumgardner, M. F., & Johannsen, C. J. (1973). Spectral mapping of soil organic matter. *LARS Technical Reports*, 26.

Kurniawan, W. D. W., Nugraha, A. S. A., & Jayantara, I. G. N. Y. (2021, December). The Application of Geomorphology Data Through Landsat Imagery



for Drought Detection. In *ICLSSE 2021: Proceedings of the 3rd International Conference on Law, Social Sciences, and Education, ICLSSE 2021, 09 September 2021, Singaraja, Bali, Indonesia* (p. 252). European Alliance for Innovation.

Kursa, M. B., Rudnicki, W. R., & Kursa, M. M. B. (2018). *Boruta: Wrapper Algorithm for All Relevant Feature Selection*. R package version 8.0.0 URL <https://cran.r-project.org/web/packages/Boruta/index.html>

Li, J., Zhang, L., He, C., & Zhao, C. (2018a). A comparison of Markov chain random field and ordinary kriging methods for calculating soil texture in a mountainous watershed, northwest China. *Sustainability*, 10(8), 2819

Li, W., Narvekar, N., Nakshatra, N., Raut, N., Sirkeci, B., & Gao, J. (2018b). Seismic data classification using machine learning. In *2018 IEEE Fourth International Conference on Big Data Computing Service and Applications (BigDataService)* (pp. 56-63). IEEE.

Liao, K., Xu, S., Wu, J., & Zhu, Q. (2013). Spatial estimation of surface soil texture using remote sensing data. *Soil Science and Plant Nutrition*, 59(4), 488-500.

Mandal, D., Singh, R., Dhyani, S. K., & Dhyani, B. L. (2010). Landscape and land use effects on soil resources in a Himalayan watershed. *Catena*, 81(3), 203-208.

Mansuy, N., Thiffault, E., Paré, D., Bernier, P., Guindon, L., Villemaire, P., ... & Beaudoin, A. (2014). Digital mapping of soil properties in Canadian managed forests at 250 m of resolution using the k-nearest neighbor method. *Geoderma*, 235, 59-73.

Markoski, B. (2016). Basic Principles of Topography. Skopje: Springer.

Matsushita, B., Yang, W., Chen, J., Onda, Y., & Qiu, G. (2007). Sensitivity of the enhanced vegetation index (EVI) and normalized difference vegetation index (NDVI) to topographic effects: a case study in high-density cypress forest. *Sensors*, 7(11), 2636-2651.



- Mei-Yan, W. A. N. G., Xue-Zheng, S. H. I., Dong-Sheng, Y. U., Sheng-Xiang, X. U., Man-Zhi, T. A. N., Wei-Xia, S. U. N., & Yong-Cun, Z. H. A. O. (2013). Regional differences in the effect of climate and soil texture on soil organic carbon. *Pedosphere*, 23(6), 799-807.
- Michaud, J., Auvine, B. A., & Penalba, O. C. (1995). Spatial and elevational variations of summer rainfall in the southwestern United States. *Journal of Applied Meteorology and Climatology*, 34(12), 2689-2703.
- Minasny, B., & McBratney, A. B. (2016). Digital soil mapping: A brief history and some lessons. *Geoderma*, 264, 301-311.
- Muddarisna, N., Yuniwati, E. D., Masruroh, H., & Oktaviansyah, A. R. (2020). An Automated Approach Using Topographic Position Index (TPI) for Landform Mapping (Case Study: Gede Watershed, Malang Regency, East Java, Indonesia). In *IOP Conference Series: Earth and Environmental Science* (Vol. 412, No. 1, p. 012027). IOP Publishing.
- Mulyaningsih, S. (2016). Volcanostratigraphic Sequences of Kebo-Butak Formation at Bayat Geological Field Complex, Central Java Province and Yogyakarta Special Province, Indonesia. *Indonesian Journal on Geoscience*, 3(2), 77-94.
- Nagamatsu, D., & Miura, O. (1997). Soil disturbance regime in relation to micro-scale landforms and its effects on vegetation structure in a hilly area in Japan. *Plant Ecology*, 133, 191-200.
- Narulita, I., Fajary, F. R., Mulyono, A., Kusratmoko, E., & Djuwansah, M. R. (2021, June). Application of Climate Hazards Group InfraRed Precipitation with Station (CHIRPS) satellite data for drought mitigation in Bintan island, Indonesia. In *IOP Conference Series: Earth and Environmental Science* (Vol. 789, No. 1, p. 012052). IOP Publishing.
- Ndakidemi, P. A., & Semoka, J. M. R. (2006). Soil fertility survey in western Usambara Mountains, northern Tanzania. *Pedosphere*, 16(2), 237-244.



- Neyestani, M., Sarmadian, F., Jafari, A., Keshavarzi, A., & Sharififar, A. (2021). Digital mapping of soil classes using spatial extrapolation with imbalanced data. *Geoderma Regional*, 26, e00422.
- Ni, S., Peng, J., Wang, J., Zhu, L., Wang, D., & Cai, C. (2023). Impacts of slope morphological evolution on subsequent erosion for a coarse-textured soil. *Geoderma*, 430, 116320.
- Niang, M. A., Nolin, M. C., Jégo, G., & Perron, I. (2014). Digital Mapping of Soil Texture Using RADARSAT-2 Polarimetric Synthetic Aperture Radar Data. *Soil Science Society of America Journal*, 78(2), 673-684.
- Olofsson, P., Foody, G. M., Stehman, S. V., & Woodcock, C. E. (2013). Making better use of accuracy data in land change studies: Estimating accuracy and area and quantifying uncertainty using stratified estimation. *Remote Sensing of Environment*, 129, 122-131.
- Olofsson, P., Foody, G. M., Herold, M., Stehman, S. V., Woodcock, C. E., & Wulder, M. A. (2014). Good practices for estimating area and assessing accuracy of land change. *Remote sensing of Environment*, 148, 42-57.
- Oruk, E. O., Eric, N. J., & Ogogo, A. U. (2012). Influence of soil textural properties and land use cover type on soil erosion of a characteristic ultisols in Betem, Cross River State, Nigeria. *Journal of Sustainable Development*, 5(7), 104.
- Pahlavan-Rad, M. R., & Akbarimoghaddam, A. (2018). Spatial variability of soil texture fractions and pH in a flood plain (case study from eastern Iran). *Catena*, 160, 275-281.
- Parkhurst, D. F., Brenner, K. P., Dufour, A. P., & Wymer, L. J. (2005). Indicator bacteria at five swimming beaches—analysis using random forests. *Water Research*, 39(7), 1354-1360.
- Phan, Thanh Noi, Verena Kuch, and Lukas W. Lehnert. "Land Cover Classification using Google Earth Engine and Random Forest Classifier—The Role of Image Composition." *Remote Sensing* 12.15 (2020): 2411.



Prahasta, E. (2009). Sistem informasi geografis konsep-konsep dasar. *Bandung: Informatika Bandung.*

Qi, J., Chehbouni, A., Huete, A. R., Kerr, Y. H., & Sorooshian, S. (1994). A modified soil adjusted vegetation index. *Remote sensing of environment, 48(2)*, 119-126.

Ritchey, E. L., McGrath, J. M., & Gehring, D. (2015). Determining soil texture by feel. *Agriculture and Natural Resources Publication, 139*

Ritung, S., Nugroho, K., Mulyani, A., & Suryani, E. (2011). Petunjuk teknis evaluasi lahan untuk komoditas pertanian (Edisi revisi). *Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Badan Penelitian dan Pengembangan Pertanian, Bogor, 168.*

Rosenqvist, A., Shimada, M., Ito, N., & Watanabe, M. (2007). ALOS PALSAR: A pathfinder mission for global-scale monitoring of the environment. *IEEE Transactions on Geoscience and Remote Sensing, 45(11)*, 3307-3316.

Roy, D. P., Wulder, M. A., Loveland, T. R., Woodcock, C. E., Allen, R. G., Anderson, M. C., ... & Zhu, Z. (2014). Landsat-8: Science and product vision for terrestrial global change research. *Remote sensing of Environment, 145*, 154-172.

Saadat, H., Bonnell, R., Sharifi, F., Mehuys, G., Namdar, M., & Ale-Ebrahim, S. (2008). Landform classification from a digital elevation model and satellite imagery. *Geomorphology, 100(3-4)*, 453-464.

Salley, S. W., Herrick, J. E., Holmes, C. V., Karl, J. W., Levi, M. R., McCord, S. E., ... & Van Zee, J. W. (2018). A Comparison of Soil Texture-by-Feel Estimates: Implications for the Citizen Soil Scientist. *Soil Science Society of America Journal, 82(6)*, 1526-1537.

Samsonov, S. (2010). Topographic correction for ALOS PALSAR interferometry. *IEEE Transactions on Geoscience and Remote Sensing, 48(7)*, 3020-3027.



- Sartohadi, J., Suratman, J., & Dewi, N. I. S. (2012). Pengantar geografi tanah. *Pustaka Pelajar*.
- Sarwono, J. (2006). Metode penelitian kuantitatif dan kualitatif.
- Seibert, J., Stendahl, J., & Sørensen, R. (2007). Topographical influences on soil properties in boreal forests. *Geoderma*, 141(1-2), 139-148.
- Shahriari, M., Delbari, M., Afrasiab, P., & Pahlavan-Rad, M. R. (2019). Predicting regional spatial distribution of soil texture in floodplains using remote sensing data: A case of southeastern Iran. *Catena*, 182, 104149.
- Shofiyati, R., Las, I., & Agus, F. (2010, September). Indonesian soil database and predicted stock of soil carbon. In *Proceedings of international workshop on evaluation and sustainable management of soil carbon sequestration in Asian countries Bogor, Indonesia Sept* (pp. 28-29).
- Sims, D. A., Rahman, A. F., Cordova, V. D., El-Masri, B. Z., Baldocchi, D. D., Bolstad, P. V., ... & Xu, L. (2008). A new model of gross primary productivity for North American ecosystems based solely on the enhanced vegetation index and land surface temperature from MODIS. *Remote sensing of Environment*, 112(4), 1633-1646.
- Skaggs, T. H., Arya, L. M., Shouse, P. J., & Mohanty, B. P. (2001). Estimating particle-size distribution from limited soil texture data. *Soil Science Society of America Journal*, 65(4), 1038-1044.
- Skidmore, A. (2017). *Environmental modelling with GIS and remote sensing*. CRC Press.
- Song, W., Mu, X., Ruan, G., Gao, Z., Li, L., & Yan, G. (2017). Estimating fractional vegetation cover and the vegetation index of bare soil and highly dense vegetation with a physically based method. *International journal of applied earth observation and geoinformation*, 58, 168-176.



- Sotillo, M. G., Ramis, C., Romero, R., Alonso, S., & Homar, V. (2003). Role of orography in the spatial distribution of precipitation over the Spanish Mediterranean zone. *Climate Research*, 23(3), 247-261.
- Suharsono, P. (1988). Identifikasi Bentuklahan dan Interpretasi Citra untuk Geomorfologi. *Fakultas Geografi, Universitas Gadjah Mada*. Yogyakarta.
- Skala 1:50.000
- Sutanto (1992). Penginderaan Jauh. Gadjah Mada University Perss.
- Suswati, D., Hendro, B., Shiddieq, S., & Indradewa, D. (2011). Identifikasi sifat fisik lahan gambut Rasau Jaya III Kabupaten Kubu Raya untuk pengembangan jagung. *Perkebunan dan Lahan Tropika*, 1(2), 31-41.
- Taghizadeh-Mehrjardi, R., Nabiollahi, K., & Kerry, R. (2016). Digital mapping of soil organic carbon at multiple depths using different data mining techniques in Baneh region, Iran. *Geoderma*, 266, 98-110.
- Taghizadeh-Mehrjardi, R., Hamzehpour, N., Hassanzadeh, M., Heung, B., Goydaragh, M. G., Schmidt, K., & Scholten, T. (2021). Enhancing the accuracy of machine learning models using the super learner technique in digital soil mapping. *Geoderma*, 399, 115108.
- Tangketasik, A., Wikarniti, N. M., Soniari, N. N., & Narka, I. W. (2012). Kadar bahan organik tanah pada tanah sawah dan tegalan di Bali serta hubungannya dengan tekstur tanah. *Agrotrop*, 2(2), 101-107.
- Tjasyono, B. K. (2004). *Klimatologi*. Bandung: ITB.
- Tu, Y., Jia, K., Liang, S., Wei, X., Yao, Y., & Zhang, X. (2018). Fractional vegetation cover estimation in heterogeneous areas by combining a radiative transfer model and a dynamic vegetation model. *International Journal of Digital Earth*.
- Wadoux, A. M. C., Minasny, B., & McBratney, A. B. (2020). Machine learning for digital soil mapping: Applications, challenges and suggested solutions. *Earth-Science Reviews*, 210, 103359.



- Wahyuni, S., Sisinggih, D., & Dewi, I. A. G. (2021, December). Validation of Climate Hazard Group InfraRed Precipitation with Station (CHIRPS) Data in Wonorejo Reservoir, Indonesia. In *IOP Conference Series: Earth and Environmental Science* (Vol. 930, No. 1, p. 012042). IOP Publishing.
- Wälder, K., Wälder, O., Rinklebe, J., & Menz, J. (2008). Estimation of soil properties with geostatistical methods in floodplains. *Archives of Agronomy and Soil Science*, 54(3), 275-295.
- Wang, L., & Shi, Z. H. (2015). Size selectivity of eroded sediment associated with soil texture on steep slopes. *Soil Science Society of America Journal*, 79(3), 917-929.
- Wang, Q., Wen, Y., Zhao, B., Hong, H., Liao, R., Li, J., ... & Yan, C. (2021). Coastal soil texture controls soil organic carbon distribution and storage of mangroves in China. *CATENA*, 207, 105709.
- Waring, R. H., Coops, N. C., Fan, W., & Nightingale, J. M. (2006). MODIS enhanced vegetation index predicts tree species richness across forested ecoregions in the contiguous USA. *Remote Sensing of Environment*, 103(2), 218-226.
- Warrington, D. N., Mamedov, A. I., Bhardwaj, A. K., & Levy, G. J. (2009). Primary particle size distribution of eroded material affected by degree of aggregate slaking and seal development. *European Journal of Soil Science*, 60(1), 84-93.
- Wehrhan, M., & Sommer, M. (2021). A parsimonious approach to estimate soil organic carbon applying unmanned aerial system (UAS) multispectral imagery and the topographic position index in a heterogeneous soil landscape. *Remote Sensing*, 13(18), 3557.
- Weiss, A. (2001, July). Topographic position and landforms analysis. In *Poster presentation, ESRI user conference, San Diego, CA* (Vol. 200).
- Williams, M., Shimabukuro, Y. E., Herbert, D. A., Pardi Lacruz, S., Renno, C., & Rastetter, E. B. (2002). Heterogeneity of soils and vegetation in an eastern



Amazonian rain forest: Implications for scaling up biomass and production. *Ecosystems*, 5, 0692-0704.

Witherick, M., Ross, S., & Small, J. (2001). A modern dictionary of geography. Oxford University Press.

Xiao, J., Shen, Y., Tateishi, R., & Bayaer, W. (2006). Development of topsoil grain size index for monitoring desertification in arid land using remote sensing. *International Journal of Remote Sensing*, 27(12), 2411-2422.

Yang, X., Yang, Q., & Lu, Y. (2019). Predicting Annual Mean Profile Soil Moisture from Soil Particle-Size Distributions on a Small-Scale Hillslope on the Chinese Loess Plateau. *Soil Science Society of America Journal*, 83(6), 1648-1654.

Yudhana, A., Sulistyo, D., & Mufandi, I. (2021). GIS-based and Naïve Bayes for nitrogen soil mapping in Lendah, Indonesia. *Sensing and Bio-Sensing Research*, 33, 100435.

Yudistira, R., Meha, A. I., & Prasetyo, S. Y. J. (2019). Perubahan konversi lahan menggunakan NDVI, EVI, SAVI dan PCA pada Citra Landsat 8 (studi kasus: Kota Salatiga). *Indonesian Journal of Computing and Modeling*, 2(1), 25-30.

Zeraatpisheh, M., Ayoubi, S., Jafari, A., & Finke, P. (2017). Comparing the efficiency of digital and conventional soil mapping to predict soil types in a semi-arid region in Iran. *Geomorphology*, 285, 186-204.

Zhang, K., Gann, D., Ross, M., Robertson, Q., Sarmiento, J., Santana, S., ... & Fritz, C. (2019). Accuracy assessment of ASTER, SRTM, ALOS, and TDX DEMs for Hispaniola and implications for mapping vulnerability to coastal flooding. *Remote Sensing of Environment*, 225, 290-306.

Zhai, Y., Thomasson, J. A., Boggess III, J. E., & Sui, R. (2006). Soil texture classification with artificial neural networks operating on remote sensing data. *Computers and Electronics in Agriculture*, 54(2), 53-68.



UNIVERSITAS
GADJAH MADA

Pemetaan Cepat Tekstur Tanah Menggunakan Metode Pembelajaran Mesin Dan Data Penginderaan

Jauh Di

Perbukitan Menoreh

Muhammad Fattah, Wirastuti Widyatmanti, S.Si., Ph.D.

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Zou, X., Zhang, Z., Wu, M., & Wan, Y. (2021). Slope-scale spatial variability of fractal dimension of soil particle size distribution at multiple depths. *Soil Science Society of America Journal*, 85(1), 117-131.