

DAFTAR PUSTAKA

- Abdi, Herve. 2007. Partial Least Square Regression. *Encyclopedia for Research Methods for The Social*. UT Dallas.
- Agus, Cahyono. 2012. *Pengelolaan Bahan Organik : Peran dalam Kehidupan dan Lingkungan*. KP4UGM.Yogyakarta: Badan Penerbit Fakultas Ekonomika dan Bisnis UGM.
- Andrei, Stefan, Gerhard, Ralf, dan Wulf Amelung. 2016. Proximal field VIS-NIR spectroscopy of soil organic carbon: A solution to clear obstacles related to vegetation and straw cover. *Soil & Tillage Research*. 163 (2016) 89–98.
- Antonio *et al.*, 2010. *Improving the Performance of Hyperspectral Image and Signal Processing Algorithms Using Parallel, Distributed and Specialized Hardware-Based Systems*. US: Springerlink DOI 10.1007/s11265-010-0453-1.
- Arun Mondal , *et al.* 2016. Spatial soil organic carbon (SOC) prediction by regression kriging using remote sensing data. *The Egyptian Journal of Remote Sensing and Space Sciences*. www.elsevier.com/locate/ejrs.
- Brown dan Luis. 1999. Support Vector Machine and Linear Spectral Unmixing for Remote Sensing. *International Conference on Advanced in Pattern Recognition*. London: Springer.
- Campbell. *et al.* 2014. *Introduction to Remote Sensing : Fifth Edition* . Guilford press.
- Chang, Chein-I. A Fast Iterative Algorithm for Implementation of Pixel Purity Index. *IEEE Geoscience and Remote Sensing Letters*. Vol 3 no 1 Januari.
- Danoedoro. 2012. *Pengantar Penginderaan Jauh Digital*. Yogyakarta : Andi.
- Eisman, Michael. 2012. *Hyperspectral Remote Sensing*. Washington USA : SPIE Press.
- Emilien, *et al* .2016 . UAS-based soil carbon mapping using VIS-NIR (480–1000 nm) multi-spectral imaging: Potential and limitations. *Geoderma*. **275** 55–66.
- Gomez *et al.* 2008. Soil organic carbon prediction by hyperspectral remote sensing and field VIS-NIR spectroscopy: An Australian case study. *Geoderma*. **146** 403–411.

- Huizeng *et al.* .2017. Improving Spectral Estimation of Soil Organic Carbon Content through Semi-Supervised Regression. *Remote Sensing MDPI*. 2017 9, 29.
- Potic *et al.* Soil Moisture Determination Using Remote Sensing Data for The Property Protection and Increase of Agriculture Production. *Responsible Land Governance :Towards an Evidence Base Approach*. March 2017.
- Jensen. 2014. *Remote Sensing of The Environment an Earth Resources Perspective*. Edinburg Gate, England : Pearson.
- Kamal *et al.* 2012. *Jaz EL-350 VIS NIR Portable Spectrometer : Panduan Operasional Pengukuran dan Pengelolaan Data Pantulan Spektral Obyek ver.1*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.
- Kamal dan Arjakusuma. 2010. Ekstraksi Informasi Penutup Lahan Menggunakan Spektrometer Lapangan Sebagai Masukan Endmember pada data Hiperspektral Resolusi Sedang. *Jurnal Ilmiah Geomatika* Vol. 16 No. 2.
- Lanfa *et al.* 2016. Quantitative Retrieval of Organic Soil Properties from Visible Near-Infrared Shortwave Infrared (VIS-NIR-SWIR) Spectroscopy Using Fractal-Based Feature Extraction. *Remote Sensing MDPI*. 2016, 8, 1035.
- Lillesand. T. M. and Kiefer. R. W. 1999. *Penginderaan Jauh dan Interpretasi Citra*. Yogyakarta: UGM Press.
- Liu *et al.* 2017. Improving Spectral Estimation of Soil Organic Carbon Content through Semi-Supervised Regression. *Remote Sensing* . MDPI. 2017, 9, 29; doi:10.3390/rs9010029
- Lu *et al.* 2007. Prediction and validation of soil organic matter content based on hyperspectrum (in Chinese). *Scientia Agricultura Sinica*. 40(9). pp. 1989-1995. Beijing: Chinese Academy of Agricultural Sciences.
- Marcos B *et al.* 2017. Soil Carbon Stock and Particle Size Fractions in the Central Amazon Predicted from Remotely Sensed Relief, Multispektral and Radar Data. *Remote Sensing MDPI*. 2017, 9, 124.
- McCoy. 2005. *Field Method in Remote Sensing*. New York: The Guilford Press.
- Milton *et al.* 2009. Progress in field spectroscopy. *Remote Sensing of Environment* vol. 113 S92-S109.
- Mulders.1987. *Remote Sensing in Soil Science*. Amsterdam: Elsevier.
- Notohadipawiro, Tejoyuwono.1991. *Tanah dan Lingkungan*. Yogyakarta: Ilmu Tanah Universitas Gadjah Mada.

- Nurwidia. 2016. *Pemanfaatan Citra Landsat 8 Untuk Estimasi Kandungan Organik Tanah di Kabupaten Karanganyar* .Skripsi . Fakultas Geografi Universitas Gadjah mada. Tidak diterbitkan.
- Pannekoek, 1989. *Garis Besar Geomorfologi Pulau Jawa*. Jakarta: K.N.A.G.
- Prabawa *et al.* 2009. Sistem Informasi Geografis dalam Pertanian Presisi Aplikasi pada Kegiatan Pemupukan di Perkebunan Tebu. *Prosiding Seminar Nasional Himpunan Informatika Pertanian Indonesia*. ISBN 978 – 979 – 95366 – 0 – 7.
- Santi, Vera Maya. 2011. Penerapan Partial Least Square Regression (PLSR) pada Pemodelan Kalibrasi Senyawa Aktif Kurkumin . *ProsidingSNaPP2011 Sains, Teknologi, dan Kesehatan*. ISSN: 2089 – 3582.
- Sartohadi. Junun.2014. *Pengantar Geografi Tanah*. Yogyakarta : Pustaka Pelajar.
- Sarwono. 2010. *Ilmu Tanah*. Jakarta : Akademika Pressindo.
- Scharlemann *et al.*,2014. Global soil carbon: understanding and managing the largest terrestrial carbon pool. *Carbon Management*. 5:1, 81-91, DOI: 10.4155/cmt.13.77.
- Shafian dan Mass, 2015. Index of Soil Moisture Using Raw Landsat Image Digital Count Data in Texas High Plains. *Remote Sensing Journal*. MDPI. 7(3), 2352-2373; doi: 10.3390/rs70302352.
- Soil Science Network. 1991. *Kimia Tanah*. Jakarta: Departemen Pendidikan dan Kebudayaan.
- Sulaeman *et al.* 2005. *Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk*. Jakarta : Balai Penelitian Tanah Badan Penelitian dan Pengembangan Pertanian, Departemen Pertanian.
- Sutanto. 1986. *Penginderaan Jauh Dasar Jilid 1*. Yogyakarta: UGM Press.
- Vaudour *et al.* 2016. Regional prediction of soil organik carbon content over temperatecroplands using visible near-infrared airborne hyperspectral imageryand synchronous field spectral. *International Journal of Applied Earth Observation and Geoinformation* **49** 24–38.
- Villa *et al.* 2011. Spectral Unmixing for the Classification of Hyperspectral Images at a Finer Spatial Resolution. *Ieee Journal of Selected Topics in Signal Processing*. VOL. 5, NO. 3.
- Wang *et al.* 2010 Mapping Soil Organik Matter Based on Land Degradation Spectral Response ubits using Hyperion . *International Journal of Earth Observation and Geoinformation* . **125** S171 – S180.

- Widati, S. 2007. Respirasi Tanah. dalam Saraswati, R., E. Husen dan R.D.M Simanungkalit (eds.). Metode Analisis Biologi Tanah. Balai Besar Sumberdaya Lahan Pertanian. Badan Penelitian dan Pengembangan Pertanian. Bogor.
- Xiomi,Yiyu,Long, dan Leilei.2017. Construction of the Calibration Set through Multivariate Analysis in Visible and Near-Infrared Prediction Model for Estimating Soil Organic Matter. *MDPI Remote Sensing*. Remote Sens. 2017, 9, 201.
- Yaolin, Qinghu, Teng, Junjie, Tiezhu, Kai, Xiran, dan Yiyun. 2014. Transferability of a Visible and Near-Infrared Model for Soil Organic Matter Estimation in Riparian Landscapes. *Remote Sensing MDPI*. 2014, 6, 4305-4322.
- Zhuo, Liu, Wu, dan Wang.2008. Quantitative Mapping of Soil Organic Material Using Field Spektrometer and Hyperspectral Remote Sensing. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. Vol. XXXVII. Part B8. Beijing.