

## DAFTAR PUSTAKA

- Adhikari, M. (2005). *A Non-destructive Approach for Quantitative Assesment of Tree Resources Outsides the Forest*. Tesis. The Netherlands: ITC
- Andini, S. W., Prasetyo, Y., & Sukmono, A. (2018). Analisis Sebaran Vegetasi dengan Citra Satelit Sentinel Menggunakan Metode NDVI dan Segmentasi. *Jurnal Geodesi Undip*, Vol. 7(1).
- Arifin. (2011). *Estimasi Kandungan Karbon Tegakan Pinus (Pinus mercurii) Berdasarkan Pengolahan Digital Citra Aster di Bagian Hutan Kepanjen, KPH Malang, Jawa Timur*. Yogyakarta : Fakultas Geografi, Universitas Gadjah Mada.
- Aryandi, A., & Zuharnen, Z. (2015). Estimasi Stok Karbon Menggunakan Citra Alos Avnir-2 di Hutan Wanagama Kabupaten Gunungkidul. *Jurnal Bumi Indonesia*, 4(4).
- Badan Pertanahan Daerah. (2024). *Luas Perubahan Penggunaan Lahan Kabupaten Bantul*. Kabupaten Bantul: Kantor Petanahan Kabupaten Bantul.
- Badan Pusat Statistik. (2023). *Kabupaten Bantul Dalam Angka 2022*. Bantul: Badan Pusat Statistik Kabupaten Bantul.
- Badan Pusat Statistik. (2024). *Kabupaten Bantul Dalam Angka 2023*. Bantul: Badan Pusat Statistik Kabupaten Bantul.
- Barnes, B.V., D.R. Zak., S.R. Denton, & S.H. Spurr. (1998). *Forest Ecology 4 edition*. New York: John Willey & Sons.
- Bateson, A. and Curtiss, B. (1996), A method for manual endmember selection and spectral unmixing, *Remote Sens. Enuir.* 55: 229-243.
- Belgiu, M., & Dragut, L. (2016). Random forest in remote sensing: A review of applications and future directions. *ISPRS journal of photogrammetry and remote sensing*, 114, 24-31.
- Breiman, L. (2001). Random forests. *Machine learning*, 45, 5-32.
- Brown, S. (1997). *Estimating Biomass and Biomass Change of Tropical Forests: a Primer*. Rome: FAO – Food and Agriculture Organization of the United Nations. FAO Forestry Paper 134.

- Campbell, J. B. (2002). *Introduction to remote sensing*. New York: The Guilford Press
- Cartus, O, Kellndofer, J, Walker, W, Franco, C, Bishop, J, Santos, L, & Fuentes, JMM. (2014). A National, Detailed Map of Forest Aboveground Carbon Stock in Mexico, *Jurnal of remote Sensing*, Vol. 6: 5559-5588.
- Chrysafis, I., Mallinis, G., Siachalou, S., & Patias, P. (2017). Assessing the relationships between growing stock volume and sentinel-2 imagery in A Mediterranean Forest Ecosystem. *Remote Sensing Letters*, 8(6), 508–517. <https://doi.org/10.1080/2150704X.2017.1295479>
- Congalton, R.G., & Green, K. (2009). *Assessing the Accuracy of Remote Sensed Data; principles and Practies*. Boca Raton: CRC Press
- Cohen, L., Manion, L., & Morrison, K. (2007). *Research Methode in Education (6<sup>th</sup> ed.)*. London, New York: Routllege Falmer
- Crippa, M., Guizzardi, D., Pagani, F., Schiavina, M., Melchiorri, M., Pisoni, E., ... & Coheur, P. (2024). Insights into the spatial distribution of global, national, and subnational greenhouse gas emissions in the Emissions Database for Global Atmospheric Research (EDGAR v8. 0). *Earth System Science Data*, Vol. 16(6): 2811-2830.
- Danoedoro, P. (2012). *Pengantar Penginderana Jauh Digital*. Penerbit Andi: Yogyakarta.
- Danoedoro, P., Rahmi, & Khalifah Nur Insan. (2015). *Pengaruh Metode Koreksi Radiometrik Citra ALOS AVNIR-2 Terhadap Akurasi Hasil Estimasi Karbon Vegetasi Tegakan di Wailayah Kota Semarang Bagian Timur*. Reserachgate.
- Danoedoro, P., & Gupita, D. D. (2022). Combining pan-sharpening and forest cover density transformation methods for vegetation mapping using Landsat-8 Satellite Imagery. *International Journal on Advanced Science, Engineering, and Information Technology*, 12(3), 881-891.
- Deardorff, J. W. (1978). Efficient prediction of ground surface temperature and moisture, with inclusion of a layer of vegetation. *Journal of Geophysical Research: Oceans*, 83(C4), 1889-1903.

- Dube, T., Mutanga, O., Adam, E., & Ismail, R. (2014). Intra-and-inter species biomass prediction in a plantation forest: testing the utility of high spatial resolution spaceborne multispectral rapideye sensor and advanced machine learning algorithms. *Sensors*, 14(8), 15348-15370.
- Febrianti, N, K, O. (2022). *Integrasi Penginderaan Jauh dan Sistem Informasi Geografis untuk Kajian Hubungan Perubahan Penutup Lahan Daerah Tangkapan Air (DTA) Batur Terhadap Perubahan Luas Liputan Danau Batur Tahun 2015-2021*. Yogyakarta: Magister Penginderaan Jauh, Fakultas Geografi, Universitas Gadjah Mada.
- Foody, G. M. (2002). Status of land cover classification accuracy assessment. *Remote sensing of environment*, 80(1), 185-201.
- Gangkofner, U. G., Pradhan, P. S., & Holcomb, D. W. (2007). Optimizing the high-pass filter addition technique for image fusion. *Photogrammetric Engineering & Remote Sensing*, 73(9), 1107-1118.
- Gitelson, A. A. (2004). Wide dynamic range vegetation index for remote quantification of biophysical characteristics of vegetation. *Journal of plant physiology*, 161(2), 165-173.
- Gupita, D. D. (2016). *Kajian Hubungan Antara Tingkat Erosi Berbasis RUSLE dengan Fractional Vegetation Cover (FVC) di DAS Gesing Melalui Analisis Citra Landsat T-8 OLI dan SIG Raster*. Yogyakarta : Fakultas Geografi, Universitas Gadjah Mada.
- Hanum, D. N. (2020). *Estimasi Carbon Loss Pinus Berdasarkan Citra Landsat Multitemporal Akibat Perubahan Penutup Lahan di Sebagian Wilayah BKPH Karangobar, KPH Banyumas Timur, Tahun 1999-2019*. Yogyakarta : Fakultas Geografi, Universitas Gadjah Mada.
- Harini, R., Ika, P. (2013). Faktor dan Pengaruh Alih Fungsi Lahan Pertanian Terhadap Kondisi Sosial Ekonomi Penduduk di Kabupaten Bantul : Kasus Daerah Perkotaan, Pinggiran, dan Pedesaan Tahun 2001-2010. *Jurnal Bumi Indonesia*, Vol.2, No.2.

- Hayani, W, N. (2023). Estimasi Volume Tegakan Jati Menggunakan Citra Sentinel-2A di Sebagian KPH Cepu, Jawa Tengah.
- Jensen, J. R. (2015). *Introductory Digital Image Processing A Remote Sensing Perspective 4<sup>th</sup> Edition*. Pearson Education, Inc.
- Ji, L & Peters, A. J. (2007). Performance Evaluation of Spectral Vegetation Indices Using a Statistical Sensitivity Function. *Remote Sensing of the Environment*, Vol.106: 59-65.
- Jiang, J., Johansen, K., Tu, Y. H., & McCabe, M. F. (2022). Multi-sensor and multi-platform consistency and interoperability between UAV, Planet CubeSat, Sentinel-2, and Landsat reflectance data. *GIScience & Remote Sensing*, 59(1), 936-958.
- Jordan, C. F. (1969). Derivation of leaf-area index from quality of light on the forest floor. *Ecology*, 50(4), 663-666.
- Karyati, K., Widiati, K. Y., Karmini, K., & Mulyadi, R. (2019). Development of allometric relationships for estimate above ground biomass of trees in the tropical abandoned land. *Biodiversitas Journal of Biological Diversity*, Vol. 20(12).
- Kurniawan, R. A. (2013). Open-Economy Modelling (Analisis Matematis Model Mundell-Fleming). 6(1), 58–83.
- Landis, J. R., & Koch, G. G. (1977). *The measurement of observer agreement for categorical data*. *Biometrics*, 33(1), 159-174.
- Liang, S. (2005). *Quantitative remote sensing of land surfaces*. John Wiley & Sons.
- Lillesand, T.M dan Kiefer, R.W. (1997). *Penginderaan Jauh dan Interpretasi Citra*. Diterjemahkan: Dulbahri, Prapto Suharsono, Hartono, Suharyadi. Gajah Mada University Press. Yogyakarta.
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. (2008). *Remote Sensing and Image Interpretation*, 6<sup>th</sup> edition. John Wiley and Sons.
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *Remote Sensing and Image Interpretation*. 7<sup>th</sup> Edition. John Wiley & Sons, Inc.

- Limbong, J.J.A., Ratu, H.H., Simbolon, P., & Prasetyo, S.Y.J. (2020). Analisis Indeks Vegetasi Area Terdampak Banjir Bandang di Kabupaten Jayapura Menggunakan Metode Clustering Pada Citra Landsat 8. *Indonesian Journal of Modeling and Computing*, Vol. 3(1).
- Liu, J, Sleeter, BM., Zhu, Z, Heath, LS, Tan, Z, Wilson, TS, Sherba, J, dan Zhou, D. (2016). Estimating Carbon Sequestration in The Piedmont Ecoregion of United States from 1971 to 2010. *Springer Open Journal of Carbon Balannce Management*, Vol. 11(10).
- Lu, D. (2005). Aboveground biomass estimation using Landsat TM data in the Brazilian Amazon. *International journal of remote sensing*, 26(12), 2509-2525.
- Lu, D. (2006). *The potential and challenge of remote sensing-based biomass estimation*. International Journal of Remote Sensing.
- Malihah, L. (2022). Tantangan Dalam Upaya Mengatasi Dampak Perubahan Iklim dan Mendukung Pembangunan Ekonomi Berkelanjutan: Sebuah Tinjauan. *Jurnal Kebijakan Pembangunan*, Vol. 17.
- Margaretha, EW, Danoedoro, P, & Murti, SH, (2013). *Estimasi Cadangan Karbon Vegetasi Tegakan di Kota Yogyakarta dan Sekitarnya Berbasis ALOS AVNIR 2*, Simposium Nasional Sains Geoinformasi ke III.
- McCoy, R. M. (2005). *Field methods in remote sensing*. Guilford Press.
- Pejabat Pengelola Informasi dan Dokumentasi (PPID) Kabupaten Bantul. (2017). *Data Penggunaan Lahan Tahun 2017*. Bantul: PPID Utama Kabupaten Bantul.
- Picard, N., Andre-Saint, L., Henry, M. (2012). *Manual for Building Tree Volume and Biomass Allometric Equations from Field Measurement to Prediction*. Food and Agricultural Organization of the United Nations, Rome, and Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement, Montpellier.
- Pratama, L, D, Y. (2019). *Model Estimasi Stok Karbon Atas Pernukaan Tegakan Karet (Hevea brasiliensis) Menggunakan Citra Sentinel 2A: Kasus di Perkebunan Karet PTPN IX Kebun Ngobo dan Kebun Getas, Kabupaten Semarang*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.

- Putro, G. S., Marsoem, S. N., Sulisty, J., & Hadiwinoto, S. (2020). Sifat kayu jati unggul nusantara (*tectona grandis* Lf) pada tiga kelas diameter pohon. *Jurnal Pemuliaan Tanaman Hutan*, 14(1), 9-19
- Ray, T. W. (1995). *Vegetation in Remote Sensing* FAQs. Er Mapping Applications. Perth: Earth Resources Mapping Pty. Ltd. Perth.
- Sabarnuridin, M. S., Suryanto, P., & AryonoSury, W. B. (2004). Dinamika pohon mahoni (*Swietenia macrophylla* King) pada agroforestry pola lorong (alley cropping). *Ilmu Pertanian (Agricultural Science)*, 11(1).
- Satriawan, R. (2022). *Pebandingan Estimasi Kandungan Stok Karbon Permukaan Vegetasi Tegakan di Sermo dan Sekitarnya Menggunakan Citra PlanetScope dan Sentinel-2A*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.
- Sun, H, Qie, G, Wang, G, Tan, Y, Li, J, Peng, Y, Ma, Z, dan Luo C. (2015). Increasing the Accuracy of Mapping Urban Forest Carbon Density by Combining Spatial Modeling and Spectral Unmixing Analysis. *Journal of Remote Sensing*, Vol. 7 :15114-15139. ISSN 2072-4292.
- Sutanto. (1986). *Penginderaan Jauh Jilid I*. UGM Press: Yogyakarta
- Sutaryo, D. (2009). *Penghitungan Biomassa: Sebuah Pengantar Untuk Studi Karbon dan Perdagangan Karbon*. Bogor: Wetlands International Indonesia Programme.
- USGS. (2016). *Landsat 8 Data Users Handbook*. In Nasa (Vol.8, Issue June). <https://landsat.usgs.gov/documents/Landsat8DataUsersHandbook>
- Verovenci, I, (2013), Assesment of Remote Sensing Technique Used to Detect Land Use/Land Cover Changes in South-East Transilvania, Romania, *Environmental Monitoring and Assesment Jurnal*, Vol.186(5): 2685-2699
- Wati, D. R., & Irwanjasmoro, S. (2025). Keragaman Mamalia di Cagar Alam Imogiri Kabupaten Bantul. *Jurnal Riset Daerah Kabupaten Bantul*, 25(1), 39-54.
- Wibowo, A. (2013). Aplikasi IPCC Guideline 2006 Untuk Perhitungan Emisi Gas Rumah Kaca Kehutanan di Sumatera Selatan. *Jurnal Analisis Kebijakan Kehutanan*, 10(2), 166-186.

- Xue, J. & Su, B. (2017). Significant remote sensing indices: a review of developments and applications. *Hindawi Journal of Sensors*, Vol. 1:1-1
- Yokoya, N., Grohnfeldt, C., & Chanussot, J. (2017). Hyperspectral and multispectral data fusion: A comparative review of the recent literature. *IEEE Geoscience and Remote Sensing Magazine*, 5(2), 29-56.
- Zhang, X., Chunhua, L., Li, J., dan Sun, Q. 2012. Fractional Vegetation Cover Estimation in Arid and Semi-Arid Environment Using HJ-1 Satellite Hyperspectral Data. *International Journal of Applied Earth Observation and Geoinformation*. Volume 21, pp 506 – 512.