

## DAFTAR PUSTAKA

- Agustini, L. & Irianto, R. S. (2016). Hubungan Antara Kondisi Tajuk *Eucalyptus pellita* F. Muell dan Infeksi Penyakit Busuk Akar. *Jurnal Penelitian Hutan Tanaman*, 13(1), 1-11.
- Amrizal. (2016). *Modul Guru Pembelajar Paket Keahlian Teknik Geomatika*. Jakarta: Kementerian Pendidikan dan Kebudayaan Direktorat Jenderal Guru dan Tenaga Kependidikan.
- Anurogo, W., & Murti, S. H. (2013). *Aplikasi Penginderaan Jauh Untuk Estimasi Produksi Tanaman Karet (Hevea Brasiliensis) di Kota Salatiga, Jawa Tengah* (Doctoral dissertation, Universitas Gadjah Mada).
- Arifin, A. Z., & Lestriandoko, N. H. (2003). Kompresi Citra Penginderaan Jauh Multispektral Berbasis Clustering dan Reduksi Spektral. *Jurnal Ilmiah Teknologi Informasi*, 2(1), 8-14.
- Ariyani, R., & Murti, S. H. (2016). Transformasi Forest Canopy Density dan Second Modified Soil Adjusted Vegetation Index Untuk Monitoring Degradasi Hutan Lindung Dan Taman Nasional di Sarolangun Jambi. *Jurnal Bumi Indonesia*, 5(3).
- Azizah, A. N., Purwanto, T. H., & Zuharnen, Z. (2017). Pemetaan Desa Menggunakan Unmanned Aerial Vehicle di Desa Kepek, Kecamatan Wonosari, Kabupaten Gunungkidul. *Seminar Nasional Geomatika*. 2. Pp 477-486.
- Badan Informasi Geospasial. (2014). *Pedoman Teknis Ketelitian Peta Dasar*. Peraturan Kepala Badan Informasi Geospasial Nomor 15 Tahun 2014.
- Balli, S., Sağbaşı, E. A., & Peker, M. (2019). Human activity recognition from smart watch sensor data using a hybrid of principal component analysis and random forest algorithm. *Measurement and Control*, 52(1-2), 37-45.
- Barry, K. M., Stone, C., & Mohammed, C. L. (2008). Crown-scale evaluation of spectral indices for defoliated and discoloured eucalypts. *International journal of remote sensing*, 29(1), 47-69.
- Breiman, L. (2001). Random forests. *Machine learning*, 45, 5-32.

- Campbell J.B., Wynne R.H. (2011). *Introduction of Remote Sensing Fifth Edition*. USA: The Guilford Press
- Chen, Y., Shen, W., Gao, S., Zhang, K., Wang, J., & Huang, N. (2019). Estimating deciduous broadleaf forest gross primary productivity by remote sensing data using a random forest regression model. *Journal of Applied Remote Sensing*, 13(3), 038502-038502.
- Coops, N. C., Stone, C., Culvenor, D. S., & Chisholm, L. (2004). Assessment of crown condition in eucalypt vegetation by remotely sensed optical indices. *Journal of environmental quality*, 33(3), 956-964.
- Cui, Z., & Kerekes, J. P. (2018). Potential of red edge spectral bands in future landsat satellites on agroecosystem canopy green leaf area index retrieval. *Remote Sensing*, 10(9), 1458.
- Cundill, S. L., van der Werff, H. M., & Van der Meijde, M. (2015). Adjusting spectral indices for spectral response function differences of very high spatial resolution sensors simulated from field spectra. *Sensors*, 15(3), 6221-6240.
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: ANDI.
- de Castro, A. I., Shi, Y., Maja, J. M., & Peña, J. M. (2021). UAVs for vegetation monitoring: Overview and recent scientific contributions. *Remote Sensing*, 13(11), 2139.
- Dewi, S. P. (2012). Pengaruh Pengendalian Internal Dan Gaya Kepemimpinan Terhadap Kinerja Karyawan SPBU Yogyakarta (studi kasus pada spbu anak cabang perusahaan RB. Group). *Nominal: Barometer Riset Akuntansi dan Manajemen*, 1(1).
- Eitel, J. U., Vierling, L. A., Litvak, M. E., Long, D. S., Schulthess, U., Ager, A. A., ... & Stoscheck, L. (2011). Broadband, red-edge information from satellites improves early stress detection in a New Mexico conifer woodland. *Remote Sensing of Environment*, 115(12), 3640-3646.
- Evangelides, C. & Nobajas, A. (2020). Red-Edge Normalized Difference Vegetation Index (NDVI705) from Sentinel-2 imagery to assess post-fire regeneration.

- Evans, B., Lyons, T., Barber, P. A., Stone, C., & Hardy, G. (2011). (2011) Detecting change in vegetation condition using high resolution multispectral imagery. *In: 34th International Symposium on Remote Sensing of Environment*, 10-15 April, Sydney, Australia.
- Evans, B., Lyons, T., Barber, P., Stone, C., & Hardy, G. (2012). Enhancing a eucalypt crown condition indicator driven by high spatial and spectral resolution remote sensing imagery. *Journal of Applied Remote Sensing*, 6(1), 063605-063605.
- Fadjrie, M., Darmawan, S., & Maharani, M. (2018). Penerapan Metode Fotogrametri Jarak Dekat Kombinasi Data Unmanned Aerial Vehicle Untuk Pembuatan Model 3D. Dalam *Seminar Nasional Institut Teknologi Nasional*.
- Fawcett, D., Azlan, B., Hill, T. C., Kho, L. K., Bennie, J., & Anderson, K. (2019). Unmanned aerial vehicle (UAV) derived structure-from-motion photogrammetry point clouds for oil palm (*Elaeis guineensis*) canopy segmentation and height estimation. *International Journal of Remote Sensing*, 40(19), 7538-7560.
- Feng, Q., Gong, J., Liu, J., & Li, Y. (2015). Flood mapping based on multiple endmember spectral mixture analysis and random forest classifier—The case of Yuyao, China. *Remote Sensing*, 7(9), 12539-12562.
- Feriansyah, A., Safe'i, R., Darmawan, A., & Kaskoyo, H. (2020). Status kesehatan hutan berdasarkan indikator kondisi tajuk (studi kasus pada tiga fungsi hutan di Provinsi Lampung). In *Prosiding Seminar Nasional Konservasi 2020* (pp. 243-249). LPPM Universitas Lampung.
- Fidera, M. M. A., & Ihsan, M. (2020). Pemanfaatan Fotogrametri Untuk Model 3 Dimensi Dengan Visualisasi Menggunakan Teknologi Augmented Reality (AR). *Jurnal ENMAP*, 1(2), 67-80.
- Gitelson, A. A., Gritz, Y., & Merzlyak, M. N. (2003). Relationships between leaf chlorophyll content and spectral reflectance and algorithms for non-destructive

chlorophyll assessment in higher plant leaves. *Journal of plant physiology*, 160(3), 271-282.

- Hamur, P. K. (2019). Kajian Pengolahan Data Foto Udara Menggunakan Perangkat Lunak Agisoft Photoscan dan PIX4D Mapper. (*Doctoral dissertation*, ITN MALANG).
- Hassanpour, M., Javan, F. D., & Azizi, A. (2019). Band to band registration of multi-spectral aerial imagery-relief displacement and miss-registration error. In *ISPRS International GeoSpatial Conference 2019* (pp. 467-474). International Society for Photogrammetry and Remote Sensing (ISPRS).
- Hidayatullah, K. H. (2014). Analisis Kluster Untuk Pengelompokan Kabupaten/Kota di Provinsi Jawa Tengah Berdasarkan Indikator Kesejahteraan Rakyat. *Jurnal Statistika Universitas Muhammadiyah Semarang*, 2(1).
- Hutajulu, E. F., Anna, N., & Siregar, E. B. M. (2015). Uji Infeksi *Cylindrocladium* sp pada Tiga Klon Hibrid *Eucalyptus grandis* x *Eucalyptus pellita*. *Peronema Forestry Science Journal*, 4(3), 148-158.
- Irawan, F. A., Hafid, A., & Gunawan, F. (2019). Pemodelan 3 Dimensi Patung Bekantan Banjarmasin Menggunakan Teknik Fotogrametri Rentang Dekat. Dalam *Seminar Nasional Riset Terapan* (Vol. 4, pp. C31-C38).
- Izquierdo-Verdiguier, E., & Zurita-Milla, R. (2020). An evaluation of Guided Regularized Random Forest for classification and regression tasks in remote sensing. *International Journal of Applied Earth Observation and Geoinformation*, 88, 102051.
- Jensen, J. R. (2014). *Remote Sensing of The Environment*. Essex: Pearson Education Limited.
- Jensen, J. R. (2015). *Introductory Digital Image Processing A Remote Sensing Perspective*. Pearson Education: California.
- Jurskis, V. (2005). Eucalypt decline in Australia, and a general concept of tree decline and dieback. *Forest Ecology and Management*, 215(1-3), 1-20.

- Kamal, M., & Arjasakusuma, S. (2010). Ekstraksi Informasi Penutup Lahan Menggunakan Spektrometer Lapangan Sebagai Masukan Endmember pada Data Hiperspektral Resolusi Sedang. *Jurnal Ilmiah Geomatika*, 16(2).
- Kamal, M., Kanekaputra, T., Hermayani, R., & Utari, D. (2020). Pengaruh Distribusi Sampel Pemodelan Terhadap Akurasi Estimasi Leaf Area Index (LAI) Mangrove. *Jurnal Penginderaan Jauh dan Pengolahan Data Citra Digital*, 16(2).
- Khorram S., Koch F.H., Van Der Wiele C.F., Nelson S.A.C. (2012). *Remote Sensing*. USA: Springer
- Leksono, B. (2010). Efisiensi Seleksi Awal Pada Kebun Benih Semai *Eucalyptus pellita* Efficiency of Early Selection in Seedling Seed Orchards of *Eucalyptus pellita*. *Jurnal Penelitian Hutan Tanaman*, 7(1), 1-13.
- Liao, K., Yang, F., Dang, H., Wu, Y., Luo, K., & Li, G. (2022). Detection of Eucalyptus leaf disease with UAV multispectral imagery. *Forests*, 13(8), 1322.
- Lillesand, T. M., & Kiefer, R. W. (1990). *Pengindraan Jauh dan Interpretasi Citra* (Diterjemahkan oleh Dulbahri, Prpto Suharsono, Hartono, dan Suharyadi). Yogyakarta: Gadjah Mada University Press.
- Mahyatar, P., & Kamal, M. (2021). Aboveground mangrove carbon stock mapping using WorldView-2 imagery. In *Seventh Geoinformation Science Symposium 2021* (Vol. 12082, pp. 269-278). SPIE.
- Mangold, R. (1997). *Forest Health Monitoring: Field Methods Guide*. USA: USDA Forest Service.
- Masaitis, G., Mozgeris, G., & Augustaitis, A. (2013). Spectral reflectance properties of healthy and stressed coniferous trees. *Iforest-biogeosciences and Forestry*, 6(1), 30.
- Maxwell, A. E., Warner, T. A., & Guillén, L. A. (2021). Accuracy assessment in convolutional neural network-based deep learning remote sensing studies— Part 1: Literature review. *Remote Sensing*, 13(13), 2450.

- Maxwell, A. E., Warner, T. A., & Guillén, L. A. (2021). Accuracy assessment in convolutional neural network-based deep learning remote sensing studies— Part 2: Recommendations and best practices. *Remote Sensing*, *13*(13), 2591.
- Meiarti, R., Seto, T., & Sartohadi, J. (2019). Uji akurasi hasil teknologi pesawat udara tanpa awak (Unmanned Aerial Vehicle) dalam aplikasi pemetaan kebencanaan kepebisiran. *Jurnal Geografi, Edukasi dan Lingkungan (JGEL)*, *3*(1), 1-17.
- Molidena, E., & As-syakur, A. R. (2012). Karakteristik Pola Spektral Vegetasi Hutan dan Tanaman Industri berdasarkan Data Penginderaan Jauh. *Proceeding of PIT MAPIN XIX, Makassar*.
- Musababa, M. A. (2023). Implementasi Algoritma Linear Regression untuk Prediksi Produksi Tanaman Padi di Kabupaten Grobogan. *Data Sciences Indonesia (DSI)*, *3*(2), 68-78.
- Muslimin, I., & Suhartati, S. (2016). Uji Jarak Tanam pada Tanaman *Eucalyptus pellita* F. Muel di Kabupaten Banyuasin, Sumatera Selatan. *Buletin Eboni*, *13*(2), 119-130.
- Mutaqin, D. J., Nurhayani, F. O., & Rahayu, N. H. (2022). Performa Industri Hutan Kayu dan Strategi Pemulihan Pascapandemi Covid-19. *Bappenas Working Papers*, *5*(1), 48-62.
- Nahari, R. V., Haryanto, H., & Idris, M. Y. (2016). Implementasi Koreksi Awan Pada Data Citra Satelit Modis Level-2 Menggunakan SST Quality Levels. *In Prosiding SENTRA (Seminar Teknologi dan Rekayasa)* (No. 2, pp. 144-149).
- Nazir, M. N., Terhem, R., Norhisham, A. R., Mohd Razali, S., & Meder, R. (2021). Early monitoring of health status of plantation-grown *Eucalyptus pellita* at large spatial scale via visible spectrum imaging of canopy foliage using unmanned aerial vehicles. *Forests*, *12*(10), 1393.
- Noviar, H., Carolita, I., & Santo Cahyono, J. (2012). Uji Akurasi *Training Sampel* Berbasis Objek Citra Landsat di Kawasan Hutan Provinsi Kalimantan Tengah. *GEOMATIKA*, *18*(2).

- Nurteisa, Y. T. (2016). Pemanfaatan Teknologi Foto Udara Format Kecil Untuk Kajian Perencanaan Jaringan Sanitasi Komunal Kawasan Perkotaan (Kasus di Dusun Kepek 1, Kepek, Wonosari, Gunungkidul). (Tesis, Universitas Gadjah Mada)
- Pamoengkas, P., & Maharani, P. L. (2018). Manajemen Tempat Tumbuh Pada Tanaman *Eucalyptus pellita* di PT. Perawang Sukses Perkasa Industri, Distrik Lipat Kain, Riau. *Journal of Tropical Silviculture*, 9(2), 79-84.
- Pratiwi, G., Sasmito, B., & Bashit, N. (2021). Analisis Prediksi Nilai Biomassa Atas Permukaan (Aboveground Biomass) Pohon Karet Menggunakan Citra Sentinel-1A Terhadap Usia Tegakan. *Elipsoida: Jurnal Geodesi dan Geomatika*, 4(01), 27-33.
- Pratiwi, M. M., & Hartono, H. (2014). Kajian Akurasi Interpretasi Hibrida Menggunakan Empat Indeks Vegetasi untuk Pemetaan Kerapatan Kanopi di Kawasan Hutan Kabupaten Gunungkidul. *Jurnal Bumi Indonesia*, 3(1), 228481.
- Puja Saputra, M. (2023). Karakter Morfologi dan Kandungan Minyak Atsiri Tanaman Ekaliptus Pellita (*Eucalyptus pellita*). *Jurnal Agroteknologi Agribisnis dan Akuakultur*, 3(2), 58-67.
- Purnama, S. M. (2015). Aplikasi ALOS AVNIR-2 untuk Hutan dalam Rangka Perhitungan Estimasi Stok Karbon dan Serapan CO<sub>2</sub>. *Seminar Nasional Penginderaan Jauh*.
- Roux, J., & Wingfield, M. J. (2009). Ceratocystis species: emerging pathogens of non-native plantation Eucalyptus and Acacia species. *Southern Forests: a Journal of Forest Science*, 71(2), 115-120.
- Safe'i, R., & Tsani, M. K. (2016). *Kesehatan Hutan*. Yogyakarta: Plantaxia.
- Safe'i, R., Hardjanto, H., Supriyanto, S., & Sundawati, L. (2015). Pengembangan metode penilaian kesehatan hutan rakyat sengon (*Falcataria moluccana* (Miq.) Barneby & JW Grimes). *Jurnal Penelitian Hutan Tanaman*, 12(3), 175-187.
- Safonova, A., Hamad, Y., Dmitriev, E., Georgiev, G., Trenkin, V., Georgieva, M., ... & Iliev, M. (2021). Individual tree crown delineation for the species

classification and assessment of vital status of forest stands from UAV images. *Drones*, 5(3), 77.

- Sambodo, K. A., Rahayu, M. I., Indriasari, N., & Natsir, M. (2014). Klasifikasi Hutan-Non Hutan Data Alos Palsar Menggunakan Metode Random Forest. In *Prosiding Seminar Nasional Penginderaan Jauh 2014* (pp. 120-127). LAPAN.
- Santoso, I., Ismanto, R. D., Chusnayah, F., Tjahjaningsih, A., & Vetrita, Y. (2022, November). Lava flow mapping Karangetang Volcano during 2019 eruption using Sentinel-2 Images and Random Forest model. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1109, No. 1, p. 012063). IOP Publishing.
- Sari, N. M., & Kushardono, D. (2014). Klasifikasi Penutup Lahan Berbasis Obyek Pada Data Foto UAV Untuk Mendukung Penyediaan Informasi Penginderaan Jauh Skala Rinci (Object Based Classification of Land Cover on UAV Photo Data to Support the Provision Of Detailed-Scale Remote Sensing Information). *Jurnal Penginderaan Jauh dan Pengolahan Data Citra Digital*, 11(2).
- Stone, C., & Haywood, A. (2006). Assessing canopy health of native eucalypt forests. *Ecological Management & Restoration*, 7, S24-S30.
- Supangat, A. B., Supriyo, H., Sudira, P., & Poedjirahajoe, E. (2013). Status Kesuburan Tanah di Bawah Tegakan Eucalyptus pellita F. Muell: Studi Kasus di HPHTI PT. Arara Abadi, Riau (Soil fertility under Eucalyptus pellita F. Muell stands: Case study in PT. Arara Abadi, Riau). *Jurnal Manusia dan Lingkungan*, 20(1), 22-34.
- Tallent-Halsell, N.G. (1994). *Forest Health Monitoring 1994 Field Methods Guide*. EPA/620/R/-94/027. U.S. Environmental Protection Agency, Washington D.C.
- Tinkham, W. T., & Swayze, N. C. (2021). Influence of Agisoft Metashape parameters on UAS structure from motion individual tree detection from canopy height models. *Forests*, 12(2), 250.

- Torres, P., Rodes-Blanco, M., Viana-Soto, A., Nieto, H., & García, M. (2021). The role of remote sensing for the assessment and monitoring of forest health: A systematic evidence synthesis. *Forests*, 12(8), 1134.
- Triscowati, D. W., Sartono, B., Kurnia, A., Dirgahayu, D., & Wijayanto, A. W. (2020). Classification of rice-plant growth phase using supervised random forest method based on landsat-8 multitemporal data. *International Journal of Remote Sensing and Earth Sciences (IJReSES)*, 16(2), 187-196.
- Tuominen, J., Lipping, T., & Kuosmanen, V. (2008). Assesment of ENVI forest health tool in detection of dust and seepage contaminated forest areas. In *IGARSS 2008-2008 IEEE International Geoscience and Remote Sensing Symposium* (Vol. 3, pp. III-1358). IEEE.
- Tuominen, J., Lipping, T., Kuosmanen, V., & Haapanen, R. (2009). Remote sensing of forest health. *Geoscience and remote sensing*, 29-52.
- Wang, A. Y. T., Murdock, R. J., Kauwe, S. K., Oliynyk, A. O., Gurlo, A., Brgoch, J., ... & Sparks, T. D. (2020). Machine learning for materials scientists: an introductory guide toward best practices. *Chemistry of Materials*, 32(12), 4954-4965.
- Widiatma, A. P., & Halimatussadiyah, A. (2019). Kebijakan moratorium pemanfaatan gambut: potensi manfaat ekonomi dan lingkungan untuk hutan tanaman industri. *Jurnal Analisis Kebijakan Kehutanan*, 16(2), 133-143.
- Witzell, J., & Martín, J. A. (2018). Endophytes and Forest Health. *Endophytes of Forest Trees: Biology and Applications*, 261-282.
- Yudistira, P., Karuniasa, M., & Wardhana, Y. M. A. (2019). Model Pengelolaan *Eucalyptus pellita* pada Hutan Industri Berkelanjutan. *Jurnal selulosa*, 9(01), 33-38.
- Zahra, N. F., Y. Setiawan, and L. B. Prasetyo. "Estimation of Mangrove Canopy Cover Using Unmanned Aerial Vehicle (UAV) in Indramayu Regency, West Java." In *IOP Conference Series: Earth and Environmental Science*, vol. 950, no. 1, p. 012032. IOP Publishing, 2022.

Zainal, Z. (2018). *Intergovernmental Relations* Dalam Pemberian Konsesi Hutan  
Tanaman Industri Di Provinsi Riau. *Jurnal Tapis: Jurnal Teropong Aspirasi  
Politik Islam*, 14(2), 92-114.