DAFTAR PUSTAKA

Ahmad, N., Ullah, S., Zhao, N., Mumtaz, F., Ali, A., Ali, A., ... & Shakir, M. (2023). Comparative analysis of remote sensing and geo-statistical techniques to quantify forest biomass. Forests, 14(2), 379.

Aji, M. A. P., Kamal, M., & Farda, N. M. (2023). Mangrove species mapping through phenological analysis using random forest algorithm on Google Earth Engine. Remote Sensing Applications: Society and Environment, 30, 100978.

Ardli ER, M Wolff. (2008). Land use and land cover change affecting habitat distribution in the Segara Anakan lagoon, Java, Indonesia. Regional Environmental Change. DOI:10.1007/ s10113-008-0072-6.

Araza, A., De Bruin, S., Herold, M., Quegan, S., Labriere, N., Rodriguez-Veiga, P., ... &Lucas, R. (2022). A comprehensive framework for assessing the accuracy and uncertainty of global above-ground biomass maps. Remote Sensing of Environment 272, 112917.

Bikia, V., Rovas, G., Pagoulatou, S., & Stergiopulos, N. (2021). Determination of aortic characteristic impedance and total arterial compliance from regional pulse wave velocities using machine learning: an in-silico study. Frontiers in bioengineering and biotechnology, 9, 649866.

Bismark, M., Subiandono, E., & Heriyanto, N. M. (2008). Keragaman dan potensi jenis serta kandungan karbon hutan mangrove di Sungai Subelen Siberut, Sumatera Barat. Jurnal Penelitian Hutan dan Konservasi Alam, 5(3), 297-306.

Breiman, L. (2001). Random forests. Machine learning, 45, 5-32.

Brown, S. (1997). Estimating biomass and biomass change of tropical forests: a primer. FAO Forestry Paper, 134(August), 55. https://doi.org/ISBN 92-5-103955-0

Brown, S. 1997. Estimating Biomass and Biomass Change of Tropical Forest. A Primer, FAO. Forestry Paper No. 134. FAO, USA.

Byrd, K. B., O'Connell, J. L., Di Tommaso, S., & Kelly, M. (2014). Evaluation of sensor types and environmental controls on mapping biomass of coastal marsh emergent vegetation. Remote Sensing of Environment, 149, 166-180.

Cutler, D. R., Edwards Jr, T. C., Beard, K. H., Cutler, A., Hess, K. T., Gibson, J., & Lawler, J. J. (2007). Random forests for classification in ecology. Ecology, 88(11), 2783-2792.

Dahlan, I.N.S. Jaya, dan Istomo. 2005. Estimasi Karbon Tegakan Acacia mangium Willd Menggunakan Citra Landsat ETM+ dan SPOT-5: Studi Kasus di BKPH Parung Panjang KPH Bogor. Pertemuan Ilmiah Tahunan MAPIN XIV "Pemanfaatan Efektif Penginderaan Jauh Untuk Peningkatan Kesejahteraan Bangsa" Institut Teknologi Sepuluh Nopember, Surabaya 14-15 September 2005.

Daniel C, Danoto J, Kauffman B, Murdiyarso D, Kurnianto S, Stidham M, Kannine M. 2011. Mangroves among the most carbon-rich forests in the tropics. Nature Geoscience 4:293-297. doi: 10.1038/naturgeo.2011.206.

David, R. M., Rosser, N. J., & Donoghue, D. N. (2022). Improving above ground biomass estimates of Southern Africa dryland forests by combining Sentinel -1 SAR and Sentinel-2 multispectral imagery. Remote Sensing of Environment, 282, 113232.

Dimara, A., Hamuna, B., & Dimara, L. (2020). Pemanfaatan citra satelit Sentinel-2A untuk pemetaan habitat dasar perairan dangkal (Studi Kasus: Teluk Humbolt, Kota Jayapura). Jurnal Ilmu Kelautan Dan Perikanan Papua, 3(1), 25-31.

Forestriko, H. F. (2016). Pemanfaatan Citra Landsat 8 untuk Estimasi Stok Karbon Hutan Mangrove di Kawasan Segara Anakan Cilacap Jawa Tengah. Jurnal Bumi Indonesia, 5(1).

Gatti, A. dan A. Bertolini. 2015. Sentinel-2 Products Specification Document, https://sentinel.esa.int/documents/247904/685211/Sentinel-2-Product SpecificationsDocument. Diakses 10 April 2019 22:25 WIB.

HAKIM, M. A. (2022). KOMBINASI CITRA SATELIT OPTIK DAN RADAR UNTUKPEMETAAN STOK KARBON MANGROVE DI KAWASAN CLUNGUPMANGROVE CONSERVATION (CMC) KABUPATEN MALANG (Doctoraldissertation, Universitas Gadjah Mada).

Huang, Z., Tian, Y., Zhang, Q., Huang, Y., Liu, R., Huang, H., ... & Liu, H. (2022). Estimating mangrove above-ground biomass at Maowei Sea, Beibu Gulf of China using machine learning algorithm with Sentinel -1 and Sentinel-2 data. Geocarto International, 37(27), 15778-15805.

Hudaya, Y. F., Hartono, H., & Murti, S. H. (2014). Pendugaan Potensi Cadangan Karbon Hutan di Atas Permukaan pada Ekosistem Mangrove Berbasis Synthetic Aperture Radar L-Band. Majalah Geografi Indonesia, 28(2), 188-199.

Heumann, B. W. (2011). Satellite remote sensing of mangrove forests: Recent advances and future opportunities. Progress in Physical Geography, 35(1), 87-108.

Hermayani, Rima. Analisis Citra Sentinel-1A Untuk Estimasi Stok Karbon Di Atas Permukaan (Above Ground Carbon) Hutan Mangrove Pulau Kemujan, Taman Nasional Karimunjawa. Diss. Universitas Gadjah Mada, 2018.

Hidayati, I. N. (2013). Ekstraksi Data Indeks Vegetasi untuk Evaluasi Ruang Terbuka Hijau berdasarkan Citra ALOS di Kecamatan Ngaglik Kabupaten Sleman Yogyakarta. Agroteknologi, 3(2), 27–34.

Hornong, N, 2004. Global Land Vegetation; An Electronic Textbook. NASA Goddard Space Flihgt Center Earth Sciences.

Indonesia, S. N. (2011). Pengukuran dan penghitungan cadangan karbon–Pengukuran lapangan untuk penaksiran cadangan karbon hutan (ground based forest carbon accounting). Badan Standarisasi Indonesia. SNI, 7724, 2011.

IPCC. (2003). IPCC Good Practice Guidance for Land Use, Land-Use Change and Forestry Prepared by the National Greenhouse Gas Inventories Programme. Hayama: IGES.

Ismail, Sulistiono, Haryadi S, Madduppa H. 2018. Condition and mangrove density in Segara Anakan, Cilacap Regency, Central Java Province, Indonesia. Aquaculture, Aquarium, Conservation, Legislation-Bioflux. 11(4): 1055-1068.

Ismail, I., Sulistiono, S., Hariyadi, S., & Madduppa, H. (2019). Hubungan antara degradasi mangrove Segara Anakan dan penurunan hasil tangkapan kepiting bakau (Scylla sp.) di Kabupaten Cilacap, Provinsi Jawa Tengah. *Jurnal Ilmu Pertanian Indonesia*, *24*(3), 179-187.

Isnaeni, R., Ardli, E. R., & Yani, E. (2019). Kajian Pendugaan Biomassa dan Stok Karbon pada Nypa fruticans di Kawasan Segara Anakan bagian Barat, Cilacap. BioEksakta: Jurnal Ilmiah Biologi Unsoed, 1(2), 151-157.

Kauffmann, J.B and Donato, D. 2010. Protocols for the Measurement, Monitoring and Reporting of Structure, Biomass, and Carbon Stocks in Mangrove Forests.

Komiyama, A., Ong, J. E., & Poungparn, S. (2008). Allometry, biomass, and productivity of mangrove forests: A review. Aquatic botany, 89(2), 128-137.

Krisnawati, H. 2017. Hutan mangrove untuk mitigasi perubahan iklim. Bogor: Pusat Penelitian dan Pengembangan Hutan.

Kusmana, C., & Sabiham, S. (1992). An estimation of above ground tree biomass of a mangrove forest in East Sumatra, Indonesia. Tropics, 1(4), 243-257.

Li, H., Huang, B., & Huang, X. (2010). A level set filter for speckle reduction in SAR images. EURASIP Journal on Advances in Signal Processing, 2010, 1-14.

Liu, Z., Peng, C., Work, T., Candau, J. N., DesRochers, A., & Kneeshaw, D. (2018). Application of machine-learning methods in forest ecology: recent progress and future challenges. Environmental Reviews, 26(4), 339-350.

Litton, C. M., & Boone Kauffman, J. (2008). Allometric models for predicting aboveground biomass in two widespread woody plants in Hawaii. Biotropica, 40(3), 313-320.

Lu, D., Mausel, P., Brondízio, E., & Moran, E. (2004). Relationships between forest stand parameters and Landsat TM spectral responses in the Brazilian Amazon Basin. Forest ecology and management, 198(1-3), 149-167.

Lu, D., Chen, Q., Wang, G., Liu, L., Li, G., & Moran, E. (2016). A survey of remote sensing-based aboveground biomass estimation methods in forest ecosystems. International Journal of Digital Earth, 9(1), 63-105.

Mansourpour, M., Rajabi, M. A., & Blais, J. A. R. (2006, February). Effects and performance of speckle noise reduction filters on active radar and SAR images. In Proc. Isprs (Vol. 36, No. 1, p. W41).

Manuri, S., Putra, C. A. S., & Saputra, A. D. (2011). Tehnik pendugaan cadangan karbon hutan. Merang REDD Pilot Project, German International Cooperation–GIZ. Palembang.

Marghany, M., & Van Genderen, J. (2014, February). Entropy algorithm for automatic detection of oil spill from radarsat-2 SAR data. In IOP Conference Series: Earth and Environmental Science (Vol. 18, No. 1, p. 012051). IOP Publishing.

Nuthammachot, N., Askar, A., Stratoulias, D., & Wicaksono, P. (2022). Combined use of Sentinel-1 and Sentinel-2 data for improving above-ground biomass estimation. Geocarto International, 37(2), 366-376.

Omar, H., Hafizzul, M. M., & Kasim, A. R. (2017). Synergetic of PALSAR-2 and Sentinel-1A SAR Polarisation for Retrieving Aboveground Biomass in Dipterocarp Forest of Malaysia. Aplied Science, 7, 675.

Pham, T. D., Yokoya, N., Bui, D. T., Yoshino, K., & Friess, D. A. (2019). Remote sensing approaches for monitoring mangrove species, structure, and biomass: Opportunities and challenges. Remote Sensing, 11(3), 230.

Pham, T. D., Yoshino, K., Le, N. N., & Bui, D. T. (2018). Estimating aboveground biomass of a mangrove plantation on the Northern coast of Vietnam using machine learning techniques with an integration of ALOS-2 PALSAR-2 and Sentinel-2A data. International Journal of Remote Sensing, 39(22), 7761-7788.

Rahadian, A. (2019). Model SpasialPendugaan Biomassa Dan Karbon Mangrove Di Indonesia. IpbUniversity.

Rachmawati, D., Setyobudiandi, I., & Hilmi, E. (2014).Potensi estimasi karbon tersimpan pada vegetasi mangrove di wilayah pesisir muara gembong Kabupaten Bekasi.Omni-Akuatika, 10(2)85-91. DOI : 10.20884/1.oa.2014.10.2.22

Réjou-Méchain, M., Barbier, N., Couteron, P., Ploton, P., Vincent, G., Herold, M., ... & Pélissier, R. (2019). Upscaling forest biomass from field to satellite measurements: sources of errors and ways to reduce them. Surveys in Geophysics, 40, 881-911.

Rodriguez-Galiano, V. F., Ghimire, B., Rogan, J., Chica-Olmo, M., & Rigol-Sanchez, J. P. (2012). An assessment of the effectiveness of a random forest classifier for land-cover classification. ISPRS journal of photogrammetry and remote sensing, 67, 93-104.

Rodríguez-Veiga, P., Quegan, S., Carreiras, J., Persson, H. J., Fransson, J. E., Hoscilo, A., ... & Balzter, H. (2019). Forest biomass retrieval approaches from earth observation in different biomes. International Journal of Applied Earth Observation and Geoinformation, 77, 53-68.

Santoro, M., Beaudoin, A., Beer, C., Cartus, O., Fransson, J. E., Hall, R. J., ... & Wegmüller, U. (2015). Forest growing stock volume of the northern hemisphere: Spatially explicit estimates for 2010 derived from Envisat ASAR. Remote Sensing of Environment, 168, 316-334.

Sasmito, S. D., Taillardat, P., Clendenning, J. N., Cameron, C., Friess, D. A., Murdiyarso, D., & Hutley, L. B. (2019). Effect of land-use and land-cover change on mangrove blue carbon: A systematic review. Global change biology, 25(12), 4291-4302.

Subekti, S. (2009). Pemanasan Global Dan Upaya Pengelolaan Mangrove. Dinamika Sains, 7(15).

Sulistiyowati, H. 2009. Biodiversitas Mangrove di Cagar Alam Pulau Sempu. Jurnal Saintek Volume 8, Nomor 1.

Somantri, L. (2008). Pemanfaatan teknik penginderaan jauh untuk mengidentifikasi kerentanan dan risiko banjir. Jurnal Geografi Gea, 8(2).

Sondak, C. F. (2015). Estimasi potensi penyerapan karbon biru (blue carbon) oleh hutan mangrove Sulawesi Utara. Journal Of Asean Studies On Maritime Issues, 1(1), 24-29.

Ulumudin, Y.I., E. Sulistiyawati, D.M. Hakim, dan A.B. Harto. 2005. Korelasi stok karbon dengan karakteristik spektral citra landsat: studi kasus gunung papandayan. Pertemuan ilmiah tahunan MAPIN XIV "Pemanfaatan Efektif Penginderaan Jauh untuk Peningkatan Kesejahteraan Bangsa". Surabaya 14-15 September 2005, Kampus Institut Teknologi Sepuluh Nopember.

Wang, D., Wan, B., Qiu, P., Su, Y., Guo, Q., Wang, R., ... & Wu, X. (2018). Evaluating the performance of Sentinel-2, Landsat 8 and Pléiades-1 in mapping mangrove extent and species. Remote Sensing, 10(9), 1468.

Wicaksono, P. (2015). Pengembangan Model Penginderaan Jauh Untuk Pemetaan Stok Karbon Padang Lamun Dan Hutan Mangrove. Universitas Gadjah Mada.

Wicaksono P, Danoedoro P, Hartono, Nehren U. 2016. Mangrove biomass carbon stock mapping of the Karimunjawa Islands using multispectral remote sensing. International Journal of Remote Sensing. 37(1):26-52.