

DAFTAR PUSTAKA

- Alongi, D. M. (2002). Present State and Future of the World's Mangrove Forests. *Environmental Conservation*, 29(3), 331–349.
- Arief, A. (2003). *Hutan Mangrove: Fungsi & Manfaatnya*. Yogyakarta: Kanisius.
- Badan Pusat Statistik. (2014). *Bali dalam Angka*. Denpasar: Badan Pusat Statistik.
- Badan Standardisasi Nasional. (2011). *SNI 7724:2011: Pengukuran dan Penghitungan Cadangan Karbon – Pengukuran Lapangan untuk Penaksiran Cadangan Karbon Hutan*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2011). *SNI 7725:2011: Penyusunan Persamaan Alometrik untuk Penaksiran Cadangan Karbon Hutan Berdasar Pengukuran Lapangan*. Jakarta: Badan Standardisasi Nasional.
- BPDAS Unda Anyar. (2008). *Kondisi Hutan Mangrove di wilayah Kerja BPDAS Unda Anyar*. Denpasar: Kementerian Kehutanan.
- Brown, S. (1997). *Estimating Biomass and Biomass Change of Tropical Forests: A Primer*. Rome: FAO Forestry.
- Chadwick, J. (2011). Integrated LiDAR and IKONOS Multispectral Imagery for Mapping Mangrove Distribution and Physical Properties. *International Journal of Remote Sensing*, 32(21), 6765–6781.
- Chaniago, A. A., Sardjunani, N., Surbakti, S., Kandun, I. N., Sukarma, R., Prawiradinata, R. S., . . . Nurdin, M. H. (2015). *Laporan Pencapaian Tujuan Pembangunan Milenium di Indonesia 2014*. Jakarta: Kementerian Perencanaan Pembangunan Nasional/Badan Perencanaan Pembangunan Nasional (BAPPENAS).
- Chen, Q., Laurin, G. V., Battles, J. J., & Saah, D. (2012). Integration of Airborne Lidar and Vegetation Types Derived from Aerial Photography for Mapping Aboveground Live Biomass. *Remote Sensing of Environment*, 121, 108–117.

- Clough, B. F., & Scott, K. (1989). Allometric Relationships for Estimating Aboveground Biomass in Six Mangrove Species. *Forest Ecology Management*, 27, 117-127.
- Congalton, R. G., & Green, K. (2009). *Assessing the Accuracy of Remotely Sensed Data*. New York: CRC Press.
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: Andi.
- de Leeuw, J., Jia, H., Yang, L., Liu, X., Schmidt, K., & Skidmore, A. K. (2006). Comparing accuracy assessments to infer superiority of image classification methods. *International Journal of Remote Sensing*, 27, 223–232.
- Digital Globe.(2010a).*Digital Globe Data Sheet*. Diakses pada 9 Januari 2016, dari http://global.digitalglobe.com/sites/default/files/DG_WorldView2_DS_PROD.pdf
- Digital Globe. (2010b). *Digital Globe*. Diakses pada 20 Januari 2016, dari [http://global.digitalglobe.com/sites/default/files/Radiometric_Use_of_WorldView-2_Imagery%20\(1\).pdf](http://global.digitalglobe.com/sites/default/files/Radiometric_Use_of_WorldView-2_Imagery%20(1).pdf)
- Dinas Pariwisata Bali. (2015). *Dinas Pariwisata Pemerintah Provinsi Bali*. Diakses pada 8 November 2015, dari <http://www.disparada.baliprov.go.id/id/Statistik>
- Duarte, C. M., Middelburg, J., & Caraco, N. (2005). Major role of marine vegetation on the oceanic carbon cycle. *Biogeosciences*, 2, 1– 8.
- Foody, G. M., (2004). Thematic Map Comparison: Evaluating the Statistical Significance of Differences in Classification Accuracy. *Photogrammetric Engineering and Remote Sensing*, 70(5), 627-633.
- Frananda, H., Hartono, & Jatmiko, R. H. (2015). Komparasi Indeks Vegetasi Untuk Estimasi Stok Karbon Hutan Mangrove Kawasan Segoro Anak Pada Kawasan Taman Nasional Alas Purwo Banyuwangi, Jawa Timur. *Majalah Ilmiah Globè*, 17(2), 113-123.
- Giri, C., Ochieng, E., Tieszen, L. L., Zhu, Z., Singh, A., Loveland, T., . . . Duke, N. (2010). Status and Distribution of Mangrove Forests of the World using Earth Observation Satellite Data. *Global Ecology and Biogeography*, 1-6.

- Heumann, B. (2011). Satellite Remote Sensing of Mangrove Forest: Recent Advances and Future Opportunities. *Progress in Physical Geography*, 35(1), 87-108.
- Hirata, Y., Tabuchi, R., Patanaponpaiboon, P., Pongparn, P., Yoneda, R., & Fujioka, Y. (2014). Estimation of aboveground biomass in mangrove forests using high-resolution satellite data. *Japanese Forest Society*, 19, 34–41.
- Hoffer, R. (1978). *Remote Sensing: The Quantitative Approach*. New York: McGraw-Hill.
- Ishii, T., & Tateda, Y. (2004). Leaf Area Index and Biomass Estimation for Mangrove Plantation in Thailand. *Geoscience and Remote Sensing Symposium*, 4, 2323 - 2326.
- Jensen, J. R. (2004). *Introductory Digital Image Processing - A Remote Sensing Perspectives*. New Jersey: Pearson Prentice Hall.
- Jensen, J. R. (2007). *Remote Sensing of the Environment: An Earth Resource Perspective. 2nd Edition*. New Jersey: Pearson Prentice Hall.
- Kamal, M., & Phinn, S. (2011). Hyperspectral Data for Mangrove Species Mapping: A Comparison of Pixel-Based and Object-Based Approach. *Remote Sensing*, 3, 2222-2242.
- Kamaruzaman, J., & Kasawani, I. (2007). Imaging Spectrometry on Mangrove Species Identification and Mapping in Malaysia. *Wseas Transactions on Biology and Biomedicine*, 4(8), 118-126.
- Kitamura, S., Anwar, C., Chaniago, A., & Baba, S. (2003). *Buku Panduan Mangrove di Indonesia*. Denpasar: Mangrove Information Centre Project.
- Komiyama, A., Pongparn, S., & Kato, S. (2005). Common Allometric Equations for Estimating. *Journal of Tropical Ecology*, 21(04), 471 – 477.
- Komiyama, A., Pongparn, S., & Ong, J. E. (2008). Allometry, Biomass, and Productivity of. *Aquatic Botany*, 89, 128-137.
- Krisnawati, H., Adinugroho, w. c., & Imanuddin, R. (2012). *Monograph Allometric Models for Estimating Tree Biomass at Various Forest Ecosystem Type in Indonesia*. Bogor: Kementerian Kehutanan.

- Kuenzer, C., Bluemel, A., Gebhardt, S., Quoc, T. V., & Dech, S. (2011). Remote Sensing of Mangrove Ecosystems: A Review. *Remote Sensing*, 3, 878-928.
- Laffoley, D., & Grimsditch, G. (2009). *The Management of Natural Coastal Carbon Sinks*. Gland Switzerland: International Union for Conservation of Nature.
- Lefsky, M. A., Harding, D. J., Keller, M., Cohen, W. B., Carabajal, C. C., Espirito-Santo, F. D., . . . Oliveira, R. (2005). Estimates of Forest Canopy Height and Aboveground Biomass using ICESat. *Geophysical Research*, 32, 1-4.
- Li, X., Yeh, A. G.-O., Wang, S., Liu, K., Liu, X., Qian, J., & Chen, X. (2007). Regression and Analytical Models for Estimating Mangrove Wetland Biomass in South China using Radarsat Images. *International Journal of Remote Sensing*, 28(24), 5567-5582.
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2008). *Remote Sensing and Image Interpretation*. New York: John Wiley & Sons Inc.
- McCoy, R. M. (2005). *Field Methods in Remote Sensing*. New York: The Guilford Press.
- Mudiyarso, D., Donato, D., Kauffman, J. B., Kurnianto, S., Stidham, M., & Kanninen, M. (2009). *Carbon Storage in Mangrove and Peatland Ecosystems: A Preliminary Account from Plots in Indonesia*. Bogor: Center of International Forest Research.
- Murray, B. C., Pendleton, L., Jenkins, W. A., & Sifleet, S. (2011). *Green Payments for Blue Carbon Economic Incentives for Protecting Threatened Coastal Habitats*. Durham: Nicholas Institute for Environmental Policy Solutions.
- Ni-Meister, W., Lee, S., Strahler, A. H., Woodcock, C. E., Schaaf, C., Yao, T., . . . Blair, J. B. (2010). Assessing General Relationships Between Aboveground Biomass and Vegetation Structure Parameters for Improved Carbon Estimate from Lidar Remote Sensing. *Journal Of Geophysical Research*, 115, 1-12.
- Ong, J. E., Gong, W. K., & Wong, C. H. (2004). Allometry and partitioning of the mangrove, *Rhizophora apiculata*. *Forest Ecology and Management*, 395-408.

- Patil, V., Singh, A., Naik, N., & Unnikrishnan, S. (2014). Estimation of Carbon Stocks in *Avicennia marina* Stand Using Allometry, CHN Analysis, and GIS Methods. *Wetlands*, 34, 379-391.
- Patil, V., Singh, A., Naik, N., & Unnikrishnan, S. (2015). Estimation of Mangrove Carbon Stocks by Applying Remote Sensing and GIS Techniques. *Wetlands*, 35, 695-707.
- Pendleton, L., Donato, D., Murray, B. C., Crooks, S., Jenkins, J., Sifleet, S., . . . Baldera, A. (2012). Estimating Global “Blue Carbon” Emissions from Conversion and Degradation of Vegetated Coastal Ecosystems. *Plos One*, 7(9), 1-7.
- Proisy, C., Coueron, P., & Fromard, F. (2007). Predicting and Mapping Mangrove Biomass from Canopy Grain Analysis using Fourier-based Textural Ordination of IKONOS Images. *Remote Sensing of Environment*, 109, 379–392.
- Republik Indonesia. (1978). *Surat Keputusan Dirjen Kehutanan No. 60/Kpts/Dj./I/1978 tentang Pedoman Sistim Silvikultur Hutan Payau*. Jakarta: Sekretariat Negara.
- Republik Indonesia. (2011). *Peraturan Presiden Republik Indonesia No 45 Tahun 2011 tentang Rencana Tata Ruang Kawasan Perkotaan Denpasar, Badung, Gianyar, dan Tabanan*. Jakarta: Sekretariat Negara.
- Sari, K. R., Dewi, P. R., & Parameswari, A. A. (2015). Upaya Australia dalam Pengurangan Emisi Gas Karbon Melalui Kerjasama IAFCP di Kabupaten Kapuas, Kalimantan Tengah. *Jurnal Hubungan Internasional*, 1(03), 1-11.
- Setyawan, A. D., Winarno, K., & Purnama, P. C. (2003). Ekosistem Mangrove di Jawa: 1. Kondisi Terkini. *Jurnal Biodiversitas*, 4(2), 133-145.
- Siregar, C. A., & Dharmawan. (2009). *Biomassa Karbon Pada Hutan Tanaman Mangrove*. Bogor: Badan Litbang Departemen Kehutanan.
- Sumargo, W., Nanggara, S. G., Nainggolan, F., & Apriani, I. (2001). *Potret Keadaan Hutan Indonesia*. Bogor: Forest Watch Indonesia.
- Sutanto. (1999). *Penginderaan Jauh Jilid 1*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.

- Sutaryo, D. (2009). *Penghitungan Biomassa: Sebuah Pengantar untuk Studi Karbon dan Perdagangan Karbon*. Bogor: Wetlands International Indonesia Programme.
- Suyadi, Ulumudin, Y. I., & Vebriansyah, R. (2013). Indeks Vegetasi dari Citra Satelit Alos untuk Memperkirakan Cadangan Karbon Atas Permukaan di Hutan Mangrove. *Berita Biologi*, 12(2), 249-258.
- Thapa, R. B., Watanabe, M., Motohka, T., & Shimada, M. (2015). Potential of High-resolution ALOS-PALSAR Mosaic Texture for Aboveground Forest Carbon Tracking in Tropical Region. *Remote Sensing of Environment*, 160, 122–133.
- van der Werf, G. R., Morton, D. C., DeFries, R. S., Oliver, J. G., Kasibhatla, P. S., Jackson, R. B., . . . Randerson, J. T. (2009). CO₂ Emissions from Forest Loss. *Nature Geoscience*, 2, 737-738.
- Wicaksono, P., Danoedoro, P., Hartono, Nehren, U., & Ribbe, L. (2011). Preliminary Work of Mangrove Ecosystem Carbon Stock Mapping in Small Island Using Remote Sensing: Above and Below Ground Carbon Stock Mapping on Medium Resolution Satellite Image. *Proceedings of SPIE - The International Society For Optical Engineering*, 8174 81741B-1.
- 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.
- Wiyanto, D. B., & Faiqoh, E. (2015). Analisis vegetasi dan struktur komunitas Mangrove Di Teluk Benoa, Bali. *Journal of Marine and Aquatic Sciences*, 1-7.
- Zhu, Y., Liu, K., Liu, L., Wang, S., & Liu, H. (2015). Retrieval of Mangrove Aboveground Biomass at the Individual Species Level with WorldView-2 Images. *Remote Sensing*, 7, 12192-12214.