

## DAFTAR PUSTAKA

- Anggoro, A., Siregar, V. P., Syamsul, D., & Agus, B. (2015). *Pemetaan Zona Geomorfologi Ekosistem Terumbu Karang Menggunakan Metode OBIA, Studi Kasus di Pulau Pari (Geomorphic Zones Mapping of Coral Reef Ecosystem with OBIA Method, Case Study in Pari Island)*.  
<https://www.researchgate.net/publication/281585150>
- Anggoro, A., Siregar, V. P., & Agus, S. B. (2016). The Effect of Sunlight on Benthic Habitats Mapping in Pari Island Using Worldview-2 Imagery. *Procedia Environmental Sciences*, 33, 487–495. <https://doi.org/10.1016/j.proenv.2016.03.101>
- Anggoro, A., Siregar, V. P., & Agus, S. B. (2017). Klasifikasi Multiskala untuk Pemetaan Zona Geomorfologi dan Habitat Benthik Menggunakan Metode OBIA di Pulau Pari. *Jurnal Penginderaan Jauh*, 12(2), 89–76.
- Anggoro, A., Siregar, V. P., Syamsul, D., & Agus, B. (2015). *Pemetaan Zona Geomorfologi Ekosistem Terumbu Karang Menggunakan Metode OBIA, Studi Kasus di Pulau Pari (Geomorphic Zones Mapping of Coral Reef Ecosystem with OBIA Method, Case Study in Pari Island)*.  
<https://www.researchgate.net/publication/281585150>
- Anggoro, A., Sumartono, E., Siregar, V. P., Agus, S. B., Purnama, D., Supriyono, S., Puspitosari, D. A., Listyorini, T., Sulisty, B., & Parwito, P. (2018). Comparing Object-based and Pixel-based Classifications for Benthic Habitats Mapping in Pari Islands. *Journal of Physics: Conference Series*, 1114(1).  
<https://doi.org/10.1088/1742-6596/1114/1/012049>
- Baum, G., Januar, H. I., Ferse, S. C. A., & Kunzmann, A. (2015). Local and regional impacts of pollution on coral reefs along the thousand islands north of the megacity Jakarta, Indonesia. *PLoS ONE*, 10(9). <https://doi.org/10.1371/journal.pone.0138271>
- Belgiu, M., & Drăgu, L. (2016). Random forest in remote sensing: A review of applications and future directions. Dalam *ISPRS Journal of Photogrammetry and Remote Sensing* (Vol. 114, hlm. 24–31). Elsevier B.V.  
<https://doi.org/10.1016/j.isprsjprs.2016.01.011>
- Blaschke, T., Lang, S., & Hay, G. J. (2008). *Object-Based Image Analysis*.

BPS Kabupaten Kepulauan Seribu. (2022). *Kabupaten Kepulauan Seribu Dalam Angka* (BPS Kabupaten Kepulauan Seribu, Ed.). BPS Kabupaten Kepulauan Seribu.

Burns, C., Bollard, B., & Narayanan, A. (2022). Machine-Learning for Mapping and Monitoring Shallow Coral Reef Habitats. Dalam *Remote Sensing* (Vol. 14, Nomor 11). MDPI. <https://doi.org/10.3390/rs14112666>

Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Andi.

Dwikarsa, Y., & Basith, A. (2021). Benthic habitats classification using multi scale parameters of GEOBIA on orthophoto images of Karimunjawa waters. *Communications in Science and Technology*, 6(1), 55–59. <https://doi.org/10.21924/CST.6.1.2021.332>

Eastman, E. J. (2012). *IDRISI Selva Tutorial*. [www.clarklabs.org](http://www.clarklabs.org)

Giyanto, Abrar, M., Hadi, T. A., Budiyanto, A., Hafizt, M., Salatalohy, A., & Iswari, M. Y. (2017). *Status Terumbu Karang Indonesia 2017* (Suharsono, Ed.). Pusat Penelitian Oseanografi Lembaga Ilmu Pengetahuan Indonesia. [www.oseanografi.lipi.go.id](http://www.oseanografi.lipi.go.id)

Gu, H., Li, H., Yan, L., Liu, Z., Blaschke, T., & Soergel, U. (2017). An object-based semantic classification method for high resolution remote sensing imagery using ontology. *Remote Sensing*, 9(4). <https://doi.org/10.3390/rs9040329>

Hadi, A. A., & Wicaksono, P. (2021). Accuracy assessment of relative and absolute water column correction methods for benthic habitat mapping in Parang Island. *IOP Conference Series: Earth and Environmental Science*, 686(1). <https://doi.org/10.1088/1755-1315/686/1/012034>

Hamidah, M., Pasaribu, R. A., & Aditama, F. A. (2021). Benthic habitat mapping using Object-Based Image Analysis (OBIA) on Tidung Island, Kepulauan Seribu, DKI Jakarta. *IOP Conference Series: Earth and Environmental Science*, 944(1). <https://doi.org/10.1088/1755-1315/944/1/012035>

Hamylton, S. M. (2017). *Spatial analysis of coastal environments*. Cambridge University Press.

Harris, P. T., & Baker, E. K. (2012). Why Map Benthic Habitats? Dalam *Seafloor Geomorphology as Benthic Habitat* (hlm. 3–22). Elsevier Inc.  
<https://doi.org/10.1016/B978-0-12-385140-6.00001-3>

Hay, G. J., & Castilla, G. (2008). Geographic object-based image analysis (GEOBIA): A new name for a new discipline. *Lecture Notes in Geoinformation and Cartography*, 0(9783540770572), 75–89. [https://doi.org/10.1007/978-3-540-77058-9\\_4](https://doi.org/10.1007/978-3-540-77058-9_4)

Hedley, J. D., Harborne, A. R., & Mumby, P. J. (2005). Simple and robust removal of sun glint for mapping shallow-water benthos. *International Journal of Remote Sensing*, 26(10), 2107–2112. <https://doi.org/10.1080/01431160500034086>

Hedley, J. D., Roelfsema, C. M., Chollett, I., Harborne, A. R., Heron, S. F., Weeks, S. J., Skirving, W. J., Strong, A. E., Mark Eakin, C., Christensen, T. R. L., Ticzon, V., Bejarano, S., & Mumby, P. J. (2016). Remote sensing of coral reefs for monitoring and management: A review. Dalam *Remote Sensing* (Vol. 8, Nomor 2). MDPI AG.  
<https://doi.org/10.3390/rs8020118>

Hendarti, R. (2021). A study on sea condition of Seribu Islands, Jakarta and the potential of floating PV Systems. *IOP Conference Series: Earth and Environmental Science*, 794(1). <https://doi.org/10.1088/1755-1315/794/1/012170>

Hidayat, F., Rudiastuti, A. W., & Purwono, N. (2018). GEOBIA an (Geographic) Object-Based Image Analysis for coastal mapping in Indonesia: A Review. *IOP Conference Series: Earth and Environmental Science*, 162(1). <https://doi.org/10.1088/1755-1315/162/1/012039>

Hochberg, E. J., Andréfouët, S., & Tyler, M. R. (2003). Sea surface correction of high spatial resolution ikonos images to improve bottom mapping in near-shore environments. *IEEE Transactions on Geoscience and Remote Sensing*, 41(7 PART II), 1724–1729. <https://doi.org/10.1109/TGRS.2003.815408>

Jensen, J. R. (2014). *Remote sensing of the environment : an earth resource perspective*. Pearson.

Jensen, J. R. (2015). *INTRODUCTORY DIGITAL IMAGE PROCESSING A Remote Sensing Perspective* (4 ed.). Pearson Education, Inc.

Kulkarni, V. Y. (2013). Random Forest Classifiers :A Survey and Future Research Directions. Dalam *International Journal of Advanced Computing* (Vol. 36, Nomor 1).

Lang, S. (2008). Object-based image analysis for remote sensing applications: Modeling reality – dealing with complexity. *Lecture Notes in Geoinformation and Cartography*, 0(9783540770572). [https://doi.org/10.1007/978-3-540-77058-9\\_1](https://doi.org/10.1007/978-3-540-77058-9_1)

Latuconsina, H. (2020). *Ekologi Perairan Tropis* (Ketiga). Gadjah Mada University Press.

Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *REMOTE SENSING AND IMAGE INTERPRETATION* (7 ed.). Wiley.

Lyzenga, D. R. (1978). Passive remote sensing techniques for mapping water depth and bottom features. *Applied Optics*, 17(3). <https://doi.org/10.1364/ao.17.000379>

Miller, R. L., Castillo, C. E. del, & Mckee, B. A. (2005). *Remote Sensing of Coastal Aquatic Environments*. Springer.

Mujiono, D. I. K., & Oktaviani, J. (2021). Segitiga Terumbu Karang Dunia (The Coral Triangle): Manfaat, Masalah, dan Upaya. *Jurnal Dinamika Global*, 6, 1–19.

Nababan, B., Mastu, L. O. K., Idris, N. H., & Panjaitan, J. P. (2021). Shallow-water benthic habitat mapping using drone with object based image analyses. *Remote Sensing*, 13(21). <https://doi.org/10.3390/rs13214452>

Nawangsari, T. (2017). Test Of Difference Between Paired Sample By Using Mcnemar Test. *International Conference on Mathematics: Education, Theory, and Application (ICMETA)*, 1.

Nazeer, M., Ilori, C. O., Bilal, M., Nichol, J. E., Wu, W., Qiu, Z., & Gayene, B. K. (2021). Evaluation of atmospheric correction methods for low to high resolutions satellite remote sensing data. *Atmospheric Research*, 249. <https://doi.org/10.1016/j.atmosres.2020.105308>

Nguyen, T., Lique, B., Mengersen, K., & Sous, D. (2021). Mapping of coral reefs with multispectral satellites: A review of recent papers. Dalam *Remote Sensing* (Vol. 13, Nomor 21). MDPI. <https://doi.org/10.3390/rs13214470>

- Nurrahman, Y. A., & Nurdjaman, S. (2018). Primary productivity of coastal ecosystems in the Seribu Islands (case study on Kelapa Dua Island, Pramuka Island and Pari Island). *IOP Conference Series: Earth and Environmental Science*, 162(1). <https://doi.org/10.1088/1755-1315/162/1/012025>
- Prayuda, B. (2014). *Pemetaan Habitat Dasar Perairan Laut Dangkal* (Suyarso, Ed.). Pusat Penelitian Oseanografi Lembaga Ilmu Pengetahuan Indonesia. <http://www.coremap.or.id>
- Pursetyo, K. T., Tjahjaningsih, W., & Pramono, H. (2015). Comparative Morphology of Blood Cockles in Kenjeran and Sedati. Dalam *Jurnal Ilmiah Perikanan dan Kelautan* (Vol. 7, Nomor 1).
- Radoux, J., & Bogaert, P. (2017). Good practices for object-based accuracy assessment. *Remote Sensing*, 9(7). <https://doi.org/10.3390/rs9070646>
- Richards, J. A. (2013). Remote sensing digital image analysis: An introduction. Dalam *Remote Sensing Digital Image Analysis: An Introduction* (Vol. 9783642300622). Springer-Verlag Berlin Heidelberg. <https://doi.org/10.1007/978-3-642-30062-2>
- Roelfsema, C. (2010). Integrating field data with high spatial resolution multispectral satellite imagery for calibration and validation of coral reef benthic community maps. *Journal of Applied Remote Sensing*, 4(1), 043527. <https://doi.org/10.1117/1.3430107>
- Selamat, M. B., Jaya, I., Siregar, V. P., & Hestirianoto, D. T. (2012). *Akurasi Tematik Peta Substrat Dasar dari Citra Quickbird (Studi Kasus Gusung Karang Lebar, Kepulauan Seribu, Jakarta)*. [www.ijms.undip.ac.id](http://www.ijms.undip.ac.id)
- Smith, M. Q. R. P. ., & Ruxton, G. D. (2020). Effective use of the McNemar test. *Behavioral Ecology and Sociobiology*, 74(11). <https://doi.org/10.1007/s00265-020-02916-y>
- Urdike, T., & Comp, C. (2010). *Radiometric Use of WorldView-2 Imagery Technical Note*.
- Wang, & Ye-qiao. (2010). *Remote Sensing of Coastal Environments*. CRC Press Taylor & Francis Group.

Wicaksono, P. (2012). The Effect of Sunlight on Satellite-Based Benthic Habitat Identification. Dalam *International Journal of Advanced Research in Computer and Communication Engineering* (Vol. 1). [www.ijarcce.com](http://www.ijarcce.com)

Wicaksono, P. (2016). Improving the accuracy of multispectral-based benthic habitats mapping using image rotations: The application of principle component analysis and independent component analysis. *European Journal of Remote Sensing*, 49, 433–463. <https://doi.org/10.5721/EuJRS20164924>

Wicaksono, P., & Aryaguna, P. A. (2020). Analyses of inter-class spectral separability and classification accuracy of benthic habitat mapping using multispectral image. *Remote Sensing Applications: Society and Environment*, 19. <https://doi.org/10.1016/j.rsase.2020.100335>

Wicaksono, P., Aryaguna, P. A., & Lazuardi, W. (2019). Benthic habitat mapping model and cross validation using machine-learning classification algorithms. *Remote Sensing*, 11(11). <https://doi.org/10.3390/rs11111279>

Wicaksono, P., & Hafizt, M. (2018). Dark target effectiveness for dark-object subtraction atmospheric correction method on mangrove above-ground carbon stock mapping. *IET Image Processing*, 12(4), 582–587. <https://doi.org/10.1049/iet-ipr.2017.0295>

Wicaksono, P., & Harahap, S. D. (2023). Mapping Seagrass Biodiversity Indicators of Pari Island using Multiple WorldView-2 Bands Derivatives. *Geosfera Indonesia*, 8(2), 189. <https://doi.org/10.19184/geosi.v8i2.41214>

Wicaksono, P., & Lazuardi, W. (2018). Assessment of PlanetScope images for benthic habitat and seagrass species mapping in a complex optically shallow water environment. *International Journal of Remote Sensing*, 39(17), 5739–5765. <https://doi.org/10.1080/01431161.2018.1506951>

Wicaksono, P., & Lazuardi, W. (2019). Random Forest Classification Scenarios for Benthic Habitat Mapping Using Planetscope Image. *IEEE International Conference on Communications*, 8245–88248.

Wicaksono, P., Wulandari, S. A., Lazuardi, W., & Munir, M. (2021). Sentinel-2 images deliver possibilities for accurate and consistent multi-temporal benthic habitat maps

in optically shallow water. *Remote Sensing Applications: Society and Environment*,  
23. <https://doi.org/10.1016/j.rsase.2021.100572>

Yang, C. Y., Yang, D. T., Ye, H. bin, & Cao, W. X. (2011). Validation and analysis of  
water column correction algorithm at Sanya Bay. *Guang Pu Xue Yu Guang Pu Fen  
Xi/Spectroscopy and Spectral Analysis*, 31(7), 1912–1916.  
[https://doi.org/10.3964/j.issn.1000-0593\(2011\)07-1912-05](https://doi.org/10.3964/j.issn.1000-0593(2011)07-1912-05)

Yusuf, F. R., Santoso, K. B., Ningam, M. U. L., Kamal, M., & Wicaksono, P. (2018).  
Evaluation of atmospheric correction models and Landsat surface reflectance  
product in Daerah Istimewa Yogyakarta, Indonesia. *IOP Conference Series: Earth  
and Environmental Science*, 169(1). [https://doi.org/10.1088/1755-  
1315/169/1/012004](https://doi.org/10.1088/1755-1315/169/1/012004)

Zoffoli, M. L., Frouin, R., & Kampel, M. (2014). Water column correction for coral reef  
studies by remote sensing. Dalam *Sensors (Switzerland)* (Vol. 14, Nomor 9, hlm.  
16881–16931). MDPI AG. <https://doi.org/10.3390/s140916881>