

## DAFTAR PUSTAKA

- Adyasari, D., Pratama, M. A., Teguh, N. A., Sabdaningsih, A., Kusumaningtyas, M. A., & Dimova, N. (2021). Anthropogenic impact on Indonesian coastal water and ecosystems: Current status and future opportunities. *Marine Pollution Bulletin*, *171*. <https://doi.org/10.1016/j.marpolbul.2021.112689>
- Alongi, D. M., Murdiyarso, D., Fourqurean, J. W., Kauffman, J. B., Hutahaean, A., Crooks, S., Lovelock, C. E., Howard, J., Herr, D., Fortes, M., Pidgeon, E., & Wagey, T. (2016). Indonesia's blue carbon: a globally significant and vulnerable sink for seagrass and mangrove carbon. *Wetlands Ecology and Management*, *24*(1), 3–13. <https://doi.org/10.1007/s11273-015-9446-y>
- Amani, M., Ghorbanian, A., Ahmadi, S. A., Kakooei, M., Moghimi, A., Mirmazloumi, S. M., Moghaddam, S. H. A., Mahdavi, S., Ghahremanloo, M., Parsian, S., Wu, Q., & Brisco, B. (2020). Google Earth Engine Cloud Computing Platform for Remote Sensing Big Data Applications: A Comprehensive Review. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, *13*, 5326–5350. <https://doi.org/10.1109/JSTARS.2020.3021052>
- Ambo-Rappe, R. (2020). Seagrass meadows for fisheries in Indonesia: A preliminary study. *IOP Conference Series: Earth and Environmental Science*, *564*(1). <https://doi.org/10.1088/1755-1315/564/1/012017>
- Badan Informasi Geospasial. (2018). *Geomaritime Indonesia* (F. Ibrahim, Ed.). Badan Informasi Geospasial.
- Bai, J., Li, Y., Chen, S., Du, J., & Wang, D. (2023). Long-time monitoring of seagrass beds on the east coast of Hainan Island based on remote sensing images. *Ecological Indicators*. <https://api.semanticscholar.org/CorpusID:265291179>
- Bakker, W. H., Feringa, W., Gieske, A. S. M., Gorte, B. G. H., Grabmaier, K. A., Hecker, C. A., Horn, J. A., Huurneman, G. C., Janssen, L. L. F., Kerle, N., van der Meer, F. D., Parodi, G. N., Pohl, C., Reeves, C. V., van Ruitenbeek, F. J.,

- Schetselaar, E. M., Tempfli, K., Weir, M. J. C., Westinga, E., & Woldai, T. (2009). *Principles of Remote Sensing: An introductory textbook* (K. Tempfli, N. Kerle, G. C. Huurneman, & L. L. F. Janssen, Eds.). ITC.
- Ban, Y. (2016). Multitemporal Remote Sensing: Current Status, Trends and Challenges. In Y. Ban (Ed.), *Multitemporal Remote Sensing: Methods and Applications* (pp. 1–18). Springer International Publishing. [https://doi.org/10.1007/978-3-319-47037-5\\_1](https://doi.org/10.1007/978-3-319-47037-5_1)
- Bannari, A., Ali, T. S., & Abahussain, A. (2022). The capabilities of Sentinel-MSI (2A/2B) and Landsat-OLI (8/9) in seagrass and algae species differentiation using spectral reflectance. *Ocean Science*, *18*(2), 361–388. <https://doi.org/10.5194/os-18-361-2022>
- Belgiu, M., & Drăguț, L. (2016). Random forest in remote sensing: A review of applications and future directions. *ISPRS Journal of Photogrammetry and Remote Sensing*, *114*, 24–31. <https://doi.org/https://doi.org/10.1016/j.isprsjprs.2016.01.011>
- Blume, A., Pertiwi, A. P., Lee, C. B., & Traganos, D. (2023). Bahamian seagrass extent and blue carbon accounting using Earth observation. *Frontiers in Marine Science*, *10*. <https://doi.org/10.3389/fmars.2023.1058460>
- Borum, J., Duarre, C. M., Krause-Jensen, D., & Greve, T. M. (2004). *European seagrasses: an introduction to monitoring and management*. The M & MS Project.
- Breiman, L. (2001). Random Forests. *Machine Learning*, *45*(1), 5–32. <https://doi.org/10.1023/A:1010933404324>
- Campbell, J. B., & Wynne, R. H. (2011). *Introduction to Remote Sensing* (5th ed.). The Guildford Press.
- Chambers, J. Q., Higuchi, N., Tribuzy, E. S., & Trumbore, S. E. (2001). Carbon sink for a country. *Nature*, *410*.

- Cutler, A., Cutler, D. R., & Stevens, J. R. (2012). Random Forests. In *Ensemble Machine Learning* (pp. 157–175). Springer New York. [https://doi.org/10.1007/978-1-4419-9326-7\\_5](https://doi.org/10.1007/978-1-4419-9326-7_5)
- Cutillas, P., Navarro, A., García, C., Zema, D. A., & Álvarez, J. P. (2023). What is going on within google earth engine? A systematic review and meta-analysis. In *Remote Sensing Applications: Society and Environment* (Vol. 29). Elsevier B.V. <https://doi.org/10.1016/j.rsase.2022.100907>
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Penerbit Andi.
- Dwyer, J. L., Roy, D. P., Sauer, B., Jenkerson, C. B., Zhang, H. K., & Lymburner, L. (2018). Analysis ready data: Enabling analysis of the landsat archive. *Remote Sensing*, 10(9). <https://doi.org/10.3390/rs10091363>
- European Space Agency. (2015). *Sentinel-2 User Handbook*. European Space Agency.
- Fauzan, M. A., Kumara, I. S. W., Yogyantoro, R., Suwardana, S., Fadhillah, N., Nurmalasari, I., Apriyani, S., & Wicaksono, P. (2017). Assessing the capability of sentinel-2A data for mapping seagrass percent cover in Jerowaru, East Lombok. *Indonesian Journal of Geography*, 49(2), 195–203. <https://doi.org/10.22146/ijg.28407>
- Fauzan, M. A., Wicaksono, P., & Hartono. (2021). Characterizing Derawan seagrass cover change with time-series Sentinel-2 images. *Regional Studies in Marine Science*, 48, 1–8. <https://doi.org/10.1016/j.rsma.2021.102048>
- Foody, G. M. (2020). Explaining the unsuitability of the kappa coefficient in the assessment and comparison of the accuracy of thematic maps obtained by image classification. *Remote Sensing of Environment*, 239, 111630. <https://doi.org/10.1016/j.rse.2019.111630>
- Frantz, D. (2019). FORCE-Landsat + Sentinel-2 analysis ready data and beyond. In *Remote Sensing* (Vol. 11, Issue 9). MDPI AG. <https://doi.org/10.3390/rs11091124>

- Gandhi, U. (2024). Cloud-Based Remote Sensing with Google Earth Engine. In *Cloud-Based Remote Sensing with Google Earth Engine*. Springer International Publishing. <https://doi.org/10.1007/978-3-031-26588-4>
- Gillis, D. B. (2016). Detection of underwater objects in hyperspectral imagery. *2016 8th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS)*, 1–5. <https://doi.org/10.1109/WHISPERS.2016.8071732>
- Green, E. P., & Short, F. T. (2003). *World Atlas of Seagrasses*. <http://www.arcliive.org/details/worldatlasofseag03gree>
- Guannel, G., Arkema, K., Ruggiero, P., & Verutes, G. (2016). The power of three: Coral reefs, seagrasses and mangroves protect coastal regions and increase their resilience. *PLoS ONE*, *11*(7). <https://doi.org/10.1371/journal.pone.0158094>
- Ha, N. T., Manley-Harris, M., Pham, T. D., & Hawes, I. (2020). A comparative assessment of ensemble-based machine learning and maximum likelihood methods for mapping seagrass using sentinel-2 imagery in Tauranga Harbor, New Zealand. *Remote Sensing*, *12*(3). <https://doi.org/10.3390/rs12030355>
- Hemminga, M. A., & Duarte, C. M. (2000). *Seagrass Ecology*. Cambridge University Press.
- Hernawan, U. E., Rahmawati, S., Ambo-Rappe, R., Sjafrie, N. D. M., Hadiyanto, H., Yusup, D. S., Nugraha, A. H., La Nafie, Y. A., Adi, W., Prayudha, B., Irawan, A., Rahayu, Y. P., Ningsih, E., Riniatsih, I., Supriyadi, I. H., & McMahan, K. (2021). The first nation-wide assessment identifies valuable blue-carbon seagrass habitat in Indonesia is in moderate condition. *Science of the Total Environment*, *782*. <https://doi.org/10.1016/j.scitotenv.2021.146818>
- Hernawan, U. E., Sjafrie, N. D. M., Supriyadi, I. H., Suyarso, S., Iswari, M. Y., Anggraini, K., & Rahmat, R. (2017). *Status Padang Lamun Indonesia 2017*. Pusat Penelitian Oseanografi LIPI.

- Hilmi, N., Chami, R., Sutherland, M. D., Hall-Spencer, J. M., Lebleu, L., Benitez, M. B., & Levin, L. A. (2021). The Role of Blue Carbon in Climate Change Mitigation and Carbon Stock Conservation. *Frontiers in Climate*, 3. <https://doi.org/10.3389/fclim.2021.710546>
- Hogarth, P. (2007). *The Biology of Mangroves and Seagrasses*. Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780198568704.001.0001>
- Holden, H. M. (1999). *An Analysis of In Situ Observations of Spectral Reflectance Characteristics of Coral Reef Features in Fiji and Indonesia*. University of Waterloo.
- Howard, J., Hoyt, S., Isensee, K., Pidgeon, E., & Telszewski, M. (2014). *Coastal Blue Carbon: Methods for assessing carbon stocks and emissions factors in mangroves, tidal salt marshes, and seagrass meadows*. [www.ioc.unesco.org](http://www.ioc.unesco.org)
- Husodo, T., Palabbi, S. D. G., Abdoellah, O. S., Nurzaman, M., Fitriani, N., & Partasmita, R. (2017). Seagrass diversity and carbon sequestration: Case study on Pari Island, Jakarta Bay, Indonesia. *Biodiversitas*, 18(4), 1596–1601. <https://doi.org/10.13057/biodiv/d180438>
- Ikhsan, N., Zamani, N. P., & Soedharma, D. (2019). Struktur Komunitas Lamun di Pulau Wanci, Kabupaten Wakatobi, Sulawesi Tenggara. *Jurnal Teknologi Perikanan Dan Kelautan*, 10(1), 27–38.
- Jamaluddin, I. (2020). *Penerapan Algoritma Support Vector Machine Menggunakan Google Earth Engine Untuk Pemetaan Mangrove Pada Tipe Hutan Yang Berbeda*. Fakultas Geografi, Universitas Gadjah Mada.
- Janiesch, C., Zschech, P., & Heinrich, K. (2021). Machine learning and deep learning. *Electronic Markets*, 31, 685–695. <https://doi.org/10.1007/s12525-021-00475-2>/Published

- Janitza, S., & Hornung, R. (2018). On the overestimation of random forest's out-of-bag error. *PLOS ONE*, *13*(8), e0201904. <https://doi.org/10.1371/journal.pone.0201904>
- Jayachandran, P. R., Bijoy Nandan, S., Jima, M., Philomina, J., & Vishnudattan, N. K. (2022). Benthic organisms as an ecological tool for monitoring coastal and marine ecosystem health. In *Ecology and Biodiversity of Benthos* (pp. 337–362). Elsevier. <https://doi.org/10.1016/B978-0-12-821161-8.00004-0>
- Kavanaugh, M., Bell, T., Catlett, D., Cimino, M., Doney, S., Klajbor, W., Messié, M., Montes, E., Muller Karger, F., Otis, D., Santora, J., Schroeder, I., Triñanes, J., & Siegel, D. (2021). Satellite Remote Sensing and the Marine Biodiversity Observation Network: Current Science and Future Steps. *Oceanography*, *34*(2). <https://doi.org/10.5670/oceanog.2021.215>
- Kawaroe, M., Nugraha, A. H., Juraij, & Tasabaramo, I. A. (2016). Seagrass biodiversity at three marine ecoregions of Indonesia: Sunda shelf, sulawesi sea, and banda sea. *Biodiversitas*, *17*(2), 585–591. <https://doi.org/10.13057/biodiv/d170228>
- Koch, E. W., Barbier, E. B., Silliman, B. R., Reed, D. J., Perillo, G. M. E., Hacker, S. D., Granek, E. F., Primavera, J. H., Muthiga, N., Polasky, S., Halpern, B. S., Kennedy, C. J., Kappel, C. V., & Wolanski, E. (2009). Non-linearity in ecosystem services: Temporal and spatial variability in coastal protection. *Frontiers in Ecology and the Environment*, *7*(1), 29–37. <https://doi.org/10.1890/080126>
- Kohler, K. E., & Gill, S. M. (2006). Coral Point Count with Excel extensions (CPCe): A Visual Basic program for the determination of coral and substrate coverage using random point count methodology. *Computers & Geosciences*, *32*(9), 1259–1269. <https://doi.org/10.1016/j.cageo.2005.11.009>
- Konecny, G. (2014). *Geoinformation: Remote Sensing, Photogrammetry, and Geographic Information Systems* (2nd ed.). CRC Press.

- Li, Y., Bai, J., Chen, S., Chen, B., & Zhang, L. (2023). Mapping seagrasses on the basis of Sentinel-2 images under tidal change. *Marine Environmental Research*, 185. <https://doi.org/10.1016/j.marenvres.2023.105880>
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *Remote Sensing and Image Interpretation* (7th ed.). John Wiley & Sons.
- LIPI. (2020). *Gugusan Pulau Pari, Kepulauan Seribu* (S. Wouthuyzen & M. Abrar, Eds.). LIPI Press.
- Liu, K., Ding, H., Tang, G., Zhu, A.-X., Yang, X., Jiang, S., & Cao, J. (2017). An object-based approach for two-level gully feature mapping using high-resolution DEM and imagery: a case study on hilly loess plateau region, China. *Chinese Geographical Science*, 27(3), 415–430. <https://doi.org/10.1007/s11769-017-0874-x>
- Kementerian Lingkungan Hidup dan Kehutanan Republik Indonesia. (2017). Peraturan Direktur Jenderal Pengendalian Pencemaran Dan Kerusakan Lingkungan Nomor P.5/PPKL/PPKPL/PKL.1/10/2017 Tentang Pedoman Inventarisasi Ekosistem Padang Lamun, Pub. L. No. P.5/PPKL/PPKPL/PKL.1/10/2017.
- Marfai, M. A., Sarastika, T., Trihatmoko, E., Rahantan, R., Sarihati, P., & Suriadi. (2018). *Kajian Daya Dukung dan Ekosistem Pulau Kecil (Studi Kasus Pulau Pari)*. Gadjah Mada University Press.
- Mckenzie, L. (2008). *Seagrass Educators Handbook*. [www.seagrasswatch.org](http://www.seagrasswatch.org)
- Mckenzie, L. J., Campbell, S. J., & Roder, C. A. (2003). *Seagrass-Watch: Manual for Mapping & Monitoring Seagrass Resources by Community (citizen) volunteers*. 100.
- McLeod, E., Chmura, G. L., Bouillon, S., Salm, R., Björk, M., Duarte, C. M., Lovelock, C. E., Schlesinger, W. H., & Silliman, B. R. (2011). A blueprint for blue carbon: Toward an improved understanding of the role of vegetated coastal habitats in

- sequestering CO<sub>2</sub>. In *Frontiers in Ecology and the Environment* (Vol. 9, Issue 10, pp. 552–560). <https://doi.org/10.1890/110004>
- Mell, P., & Grance, T. (2011). *The NIST Definition of Cloud Computing*. National Institute of Standards and Technology.
- Menteri Kehutanan Republik Indonesia. (2014). Peraturan Menteri Kehutanan Republik Indonesia Nomor P.48/Menhut-II/2014 Tentang Tata Cara Pelaksanaan Pemulihan Ekosistem Pada Kawasan Suaka Alam Dan Kawasan Pelestarian Alam
- Moberg, F., & Ack, P. R. O. (2003). Ecosystem services of the tropical seascape: interactions, substitutions and restoration. In *Ocean & Coastal Management* (Vol. 46).
- Montoya, A. V., Burbano, N. M., Mero, P. C., Rivera T., H., Sadeck, L., & Adami, M. (2023). Google Earth Engine: A Global Analysis and Future Trends. In *Remote Sensing* (Vol. 15, Issue 14). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/rs15143675>
- National Coral Reef Institute. (2001). *CPCe 4.1 Help*. National Coral Reef Institute.
- Obregón, M. Á., Rodrigues, G., Costa, M. J., Potes, M., & Silva, A. M. (2019). Validation of ESA Sentinel-2 L2A Aerosol Optical Thickness and Columnar Water Vapour during 2017–2018. *Remote Sensing*, *11*(14), 1649. <https://doi.org/10.3390/rs11141649>
- Orth, R. J., Carruthers, T. J. B., Dennison, W. C., Duarte, C. M., Fourqurean, J. W., Heck, K. L., Hughes, A. R., Kendrick, G. A., Kenworthy, W. J., Olyarnik, S., Short, F. T., Waycott, M., & Williams, S. L. (2006). A Global Crisis for Seagrass Ecosystems. *BioScience*, *56*(12), 987–996. [https://doi.org/10.1641/0006-3568\(2006\)56\[987:AGCFSE\]2.0.CO;2](https://doi.org/10.1641/0006-3568(2006)56[987:AGCFSE]2.0.CO;2)
- Orth, R. J., & Heck Jr., K. L. (2023). The Dynamics of Seagrass Ecosystems: History, Past Accomplishments, and Future Prospects. *Estuaries and Coasts*, *46*(7), 1653–1676. <https://doi.org/10.1007/s12237-023-01252-4>

- Palabbi, S. Dg. (2021). *Padang Lamun Dalam Upaya Pengendalian Emisi Karbon* (Prayuda, Ed.). Bintang Pustaka Mandiri.
- Phinn, S., Roelfsema, C., Kovacs, E., Canto, R., Lyons, M., Saunders, M., & Maxwell, P. (2018). Mapping, monitoring and modelling seagrass using remote sensing techniques. In *Seagrasses of Australia: Structure, Ecology and Conservation* (pp. 445–487). Springer International Publishing. [https://doi.org/10.1007/978-3-319-71354-0\\_15](https://doi.org/10.1007/978-3-319-71354-0_15)
- Pontius, R. G., & Millones, M. (2011). Death to Kappa: birth of quantity disagreement and allocation disagreement for accuracy assessment. *International Journal of Remote Sensing*, 32(15), 4407–4429. <https://doi.org/10.1080/01431161.2011.552923>
- Potapov, P., Hansen, M. C., Kommareddy, I., Kommareddy, A., Turubanova, S., Pickens, A., Adusei, B., Tyukavina, A., & Ying, Q. (2020). Landsat analysis ready data for global land cover and land cover change mapping. *Remote Sensing*, 12(3). <https://doi.org/10.3390/rs12030426>
- Pu, R., Bell, S., Baggett, L., Meyer, C., & Zhao, Y. (2012). Discrimination of Seagrass Species and Cover Classes with in situ Hyperspectral Data. *Journal of Coastal Research*, 285, 1330–1344. <https://doi.org/10.2112/JCOASTRES-D-11-00229.1>
- Ramsey, E. W. (2005). Remote Sensing of Coastal Environments. In M. L. Schwartz (Ed.), *Encyclopedia of Coastal Science* (pp. 797–804). Springer Netherlands. [https://doi.org/10.1007/1-4020-3880-1\\_257](https://doi.org/10.1007/1-4020-3880-1_257)
- Reynolds, C. S. (2001). Benthic Ecology. In *Encyclopedia of Environmetrics*. Wiley. <https://doi.org/10.1002/9780470057339.vab010>
- Richards, J. A., & Jia, X. (2006). *Remote Sensing Digital Image Analysis: An Introduction* (4th ed.). Springer-Verlag Berlin Heidelberg.
- Rifai, H., Quevedo, J. M. D., Lukman, K. M., Sondak, C. F. A., Risandi, J., Hernawan, U. E., Uchiyama, Y., Ambo-Rappe, R., & Kohsaka, R. (2023). Potential of

seagrass habitat restorations as nature-based solutions: Practical and scientific implications in Indonesia. *Ambio*, 52(3), 546–555.  
<https://doi.org/10.1007/s13280-022-01811-2>

Risandi, J., Rifai, H., Lukman, K. M., Sondak, C. F. A., Hernawan, U. E., Quevedo, J. M. D., Hidayat, R., Ambo-Rappe, R., Lanuru, M., McKenzie, L., Kohsaka, R., & Nadaoka, K. (2023). Hydrodynamics across seagrass meadows and its impacts on Indonesian coastal ecosystems: A review. In *Frontiers in Earth Science* (Vol. 11, pp. 1–16). Frontiers Media S.A. <https://doi.org/10.3389/feart.2023.1034827>

Roelfsema, C. M., Kovacs, E. M., Lyons, M. B., & Phinn, S. R. (2015). *Benthic and substrate cover data derived from a time series of photo-transect surveys for the Eastern Banks, Moreton Bay Australia, 2004-2015*. PANGAEA.  
<https://doi.org/10.1594/PANGAEA.846147>

Roelfsema, C. M., Lyons, M., Kovacs, E. M., Maxwell, P., Saunders, M. I., Samper-Villarreal, J., & Phinn, S. R. (2014). Multi-temporal mapping of seagrass cover, species and biomass: A semi-automated object based image analysis approach. *Remote Sensing of Environment*, 150, 172–187.  
<https://doi.org/https://doi.org/10.1016/j.rse.2014.05.001>

Roelfsema, C. M., Phinn, S. R., Udy, N., & Maxwell, P. (2009). An Integrated Field and Remote Sensing Approach for Mapping Seagrass Cover, Moreton Bay, Australia. *Journal of Spatial Science*, 54(1), 45–62.  
<https://doi.org/10.1080/14498596.2009.9635166>

Roelfsema, C., & Phinn, S. (2009). *A Manual for Conducting Georeferenced Photo Transects Surveys to Assess the Benthos of Coral Reef and Seagrass Habitats*.

Rustam, A. (2019). Pemantauan Ekosistem Lamun Pulau Pari dan Pulau Tikus. *Jurnal Riset Jakarta*, 12(1), 7–15.

Sandoval, L. L., Anastasiou, C., Montes, E., Raulerson, G., Sherwood, E., & Karger, F. E. M. (2022). Seagrass distribution, areal cover, and changes (1990–2021) in

- coastal waters off West-Central Florida, USA. *Estuarine, Coastal and Shelf Science*, 279. <https://doi.org/10.1016/j.ecss.2022.108134>
- Schaduw, J. N. W., & Kondoy, K. F. I. (2020). *Seagrass percent cover in small islands of Bunaken National Park, North Sulawesi Province, Indonesia* (Vol. 13, Issue 2). <http://www.bioflux.com.ro/aac1>
- Sebastian, T., Sreenath, K. R., Sreeram, M. P., & Ranith, R. (2023). Dwindling seagrasses: A multi-temporal analysis on Google Earth Engine. *Ecological Informatics*, 74. <https://doi.org/10.1016/j.ecoinf.2022.101964>
- Serge, A., Maële, B., Stéphane, G., & Antoine, G. (2024). Evaluation of the Allen Coral Atlas benthic habitat map product for New Caledonia using representative habitat observations from a multi-species fishery assessment. *Coral Reefs*, 43(3), 523–540. <https://doi.org/10.1007/s00338-024-02481-0>
- Short, F. T., & Coles, R. G. (2001). *Global Seagrass Research Methods*. Elsevier.
- Sjafrie, N. D. M., Triyono, Zulpikar, F., Rahmawati, S., & Hernawan, U. E. (2022). Preliminary study on community's perception of seagrass restoration on Pari Island, Seribu Islands Regency. *IOP Conference Series: Earth and Environmental Science*, 967(1). <https://doi.org/10.1088/1755-1315/967/1/012028>
- Spalding, M., Taylor, M., Ravilious, C., Short, F., & Green, E. (2003). Global Overview: The Distribution and Status of Seagrasses. In E. P. Green & F. T. Short (Eds.), *World Atlas of Seagrasses* (pp. 13–34). University of California Press.
- Traganos, D., Pertiwi, A. P., Lee, C. B., Blume, A., Poursanidis, D., & Shapiro, A. (2022). Earth observation for ecosystem accounting: spatially explicit national seagrass extent and carbon stock in Kenya, Tanzania, Mozambique and Madagascar. *Remote Sensing in Ecology and Conservation*, 8(6), 778–792. <https://doi.org/10.1002/rse2.287>
- Turpie, K. R., Ackleson, S. G., Byrd, K. B., & Moisan, T. A. H. (2021). Editorial: Science and Applications of Coastal Remote Sensing. In *Frontiers in Marine*

*Science* (Vol. 8). *Frontiers Media S.A.*

<https://doi.org/10.3389/fmars.2021.641029>

United Nations Environment Programme. (2020a). *Out of the Blue: The value of seagrasses to the environment and to people*. UNEP.

[www.un.org/Depts/Cartographic/english/htmain.htm](http://www.un.org/Depts/Cartographic/english/htmain.htm)

United Nations Environment Programme. (2020b). *The Value of Seagrasses to the Environment and to People*.

Unsworth, R. K. F., Ambo-Rappe, R., Jones, B. L., La Nafie, Y. A., Irawan, A., Hernawan, U. E., Moore, A. M., & Cullen-Unsworth, L. C. (2018). Indonesia's globally significant seagrass meadows are under widespread threat. *Science of the Total Environment*, 634, 279–286.

<https://doi.org/10.1016/j.scitotenv.2018.03.315>

Vignola, R., Locatelli, B., Martinez, C., & Imbach, P. (2009). Ecosystem-based adaptation to climate change: What role for policy-makers, society and scientists? *Mitigation and Adaptation Strategies for Global Change*, 14(8), 691–696.

<https://doi.org/10.1007/s11027-009-9193-6>

Vos, K., Splinter, K. D., Harley, M. D., Simmons, J. A., & Turner, I. L. (2019). CoastSat: A Google Earth Engine-enabled Python toolkit to extract shorelines from publicly available satellite imagery. *Environmental Modelling & Software*, 122, 104528. <https://doi.org/10.1016/j.envsoft.2019.104528>

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

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., & 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., Maishella, A., Lazuardi, W., & Muhammad, F. H. (2022). Consistency assessment of multi-date PlanetScope imagery for seagrass percent cover mapping in different seagrass meadows. *Geocarto International*, 37(27), 15161–15186. <https://doi.org/10.1080/10106049.2022.2096122>
- Yang, X. (2009). Remote Sensing, Geospatial Technologies and Coastal Ecosystems. In *Remote Sensing and Geospatial Technologies for Coastal Ecosystem Assessment and Management* (pp. 1–14). Springer Berlin Heidelberg. [https://doi.org/10.1007/978-3-540-88183-4\\_1](https://doi.org/10.1007/978-3-540-88183-4_1)
- Zhang, C., Selch, D., Xie, Z., Roberts, C., Cooper, H., & Chen, G. (2013). Object-based benthic habitat mapping in the Florida Keys from hyperspectral imagery. *Estuarine, Coastal and Shelf Science*, 134, 88–97. <https://doi.org/10.1016/j.ecss.2013.09.018>
- Zurba, N. (2018). *Pengenalan Padang Lamun*. Unimal Press.