

DAFTAR PUSTAKA

- Adimalla, N. (2021). Application of the entropy weighted water quality index (EWQI) and the pollution index of groundwater (PIG) to assess groundwater quality for drinking purposes: a case study in a Rural Area of Telangana State, India. *Archives of Environmental Contamination and Toxicology*, 80(1), 31–40. <https://doi.org/10.1007/s00244-020-00800-4>
- Affan, J. M. (2012). Identifikasi lokasi untuk pengembangan budidaya keramba jaring apung (KJA) berdasarkan faktor lingkungan dan kualitas air di perairan pantai timur Bangka Tengah. *Depik*, 1(1), 78–85.
- Alawi, M., & D. Chu (2024). Assessing and enhancing public space resilience to pandemics and earthquakes: a case study of Chongqing, China. *Natural Hazards*. <https://doi.org/10.1007/s11069-024-06801-z>
- Amin, M., A. Fitria, N. A. Muslichah, & L. Musdalifah (2022). The ecological habitat of spiny lobster (*Panulirus* spp.): case study on lobster fishing ground in Trenggalek, East Java, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1036(1), 1–5. <https://doi.org/10.1088/17551315/1036/1/012067>
- Bao, H., Wu, M., X. Meng, H. Han, C. Zhang, & W. Sun (2023). Application of electrochemical oxidation technology in treating high-salinity organic ammonia-nitrogen wastewater. *Journal of Environmental Chemical Engineering*, 11(5). <https://doi.org/10.1016/j.jece.2023.110608>
- Bhaskar, T. C. J. (2020). *Future of Mariculture with the advent of modern biotechnology tools*. Chennai: GeoMarine Biotechnologies. <https://archive.org/details/manualoffishcult00unit>
- Carpenter, K. E. ., & V. H. Niem, (1998). *The living marine resources of the Western Central Pacific*. Rome: Food and Agriculture Organization of the United Nations.
- Chen, C. H. (2020). A novel multi-criteria decision-making model for building material supplier selection based on entropy-AHP weighted TOPSIS. *Entropy*, 22(2). <https://doi.org/10.3390/e22020259>
- Diriba, D., S. Karuppanan, T. Takele, & M. Husein (2024). Delineation of groundwater potential zonation using geoinformatics and AHP techniques with remote sensing data. *Heliyon*, 10(3). <https://doi.org/10.1016/j.heliyon.2024.e25532>
- Divu, D. N., S. K. Mojjada, P. O. Sudhakaran, S. L. P. Sundaram, M. Menon, R. K. Mojjada, M. S. Tade, V. S. Vishwambharan, J. Shree, A. Subramanian, B. Ignatius, & A. Gopalakrishnan (2024). Economic performance and marine policy implications of mud spiny lobster mariculture in Tropical Sea Cages, North-Eastern Arabian Sea, India: An empirical study in marine economics. *Marine Policy*, 161. <https://doi.org/10.1016/j.marpol.2024.106041>

- Doke, A. B., R. B. Zolekar, H. Patel, & S. Das (2021). Geospatial mapping of groundwater potential zones using multi-criteria decision-making AHP approach in a hardrock basaltic terrain in India. *Ecological Indicators*, 127. <https://doi.org/10.1016/j.ecolind.2021.107685>
- Farabi, A. I. (2023). *Manajemen kualitas air pada pembesaran Udang Vaname (*Litopenaeus vannamei*) di UPT. BAPL (Budidaya Air Payau dan Laut) Bangil Pasuruan Jawa Timur*. <https://doi.org/10.33506/jrpk.v5ii.2097>
- Hartanto, M. T., I. Effendi, T. Prartono, S. P. Puradiredja, D. F. Lestari, S. Susanti, & A. Salsabila (2024). Kondisi oseanografi dan kesesuaian lokasi budidaya lobster di Perairan Teluk Pidada, Lampung. *Jurnal Teknologi Perikanan Dan Kelautan*, 15(3), 285–297. <https://doi.org/10.24319/jtpk.15.285-297>
- He, W., Q. Xu, S. Liu, T. Wang, F. Wang, X. Wu, Y. Wang, & H. Li (2024). Analysis on data center power supply system based on multiple renewable power configurations and multi-objective optimization. *Renewable Energy*, 222. <https://doi.org/10.1016/j.renene.2023.119865>
- Hermawan, S., & Syafrani (2015). An integrated decision support system (Dss) for the management of sustainable mariculture in indonesia. *Advances in Environmental Biology*, 9(7), 21–27.
- Hidayah, Z., A. Arisandi, & M. K. Wardhani (2021). Pemetaan kesesuaian perairan untuk budidaya laut di Perairan Pesisir Kabupaten Situbondo dan Banyuwangi Jawa Timur. *Rekayasa*, 13(3), 307–316. <https://doi.org/10.21107/rekayasa.v13i3.9858>
- Hindarti, F., N. Khakhim, E. A. Suyono, & A. Budiman (2024). Evaluating optimal cultivation sites for microalgae based on dairy farm wastewater using analytical hierarchy process and geographic information system techniques. *Ecological Engineering and Environmental Technology*, 25(9), 130–146. <https://doi.org/10.12912/27197050/190452>
- Ismail, I., M. Muhammadar, & F. Firdus (2023). Suitability analysis of spiny lobster mariculture zones in Sabang waters, Indonesia. *Depik*, 12(3), 389–397. <https://doi.org/10.13170/depik.12.3.33331>
- Jiang, X., S. Dong, R. Liu, M. Huang, K. Dong, J. Ge, Q. Gao, & Y. Zhou (2021). Effects of temperature, dissolved oxygen, and their interaction on the growth performance and condition of rainbow trout (*Oncorhynchus mykiss*). *Journal of Thermal Biology*, 98. <https://doi.org/10.1016/j.jtherbio.2021.102928>
- Junaidi, M., N. Cokrowati, & D. Z. Abidin (2010). Aspek reproduksi lobster (*Panulirus sp.*) di Perairan Teluk Ekas Pulau Lombok. *Jurnal Kelautan*, 3(1), 29–35.
- Junaidi, M., N. Diniarti, N. Cokrowati, A. Mukhlis, B. H. Astriana, & F. D. L. Conway (2022). Site selection for lobster culture in floating cage using multi-criteria analysis. *Ilmu Kelautan: Indonesian Journal of Marine Sciences*, 27(4), 315–329. <https://doi.org/10.14710/ik.ijms.27.4.315-329>

- Kamlasi, Y., S. Rejeki, S. B. Prayitno, & F. Purwanti (2024). Pola sebaran klorofil-a dan kualitas air pada kawasan budidaya rumput laut di Perairan Pulau Semau Kabupaten Kupang. *Jurnal Kelautan Tropis*, 27(3), 423–430. <https://doi.org/10.14710/jkt.v27i3.23727>
- Kilpatrick, K. A., G. Podestá, E. Williams, S. Walsh, & P. J. Minnett (2019). Alternating decision trees for cloud masking in MODIS and VIIRS NASA sea surface temperature products. *Journal of Atmospheric and Oceanic Technology*, 36(3), 387–407. <https://doi.org/10.1175/JTECH-D-18-0103.1>
- Kurniawan, A., D. Syaputra, & Irvani. (2023). Evaluasi kualitas air untuk budidaya ikan nila sistem keramba jaring apung di Universitas Bangka Belitung. *Journal of Aquatropica Asia*, 8(2). <https://www.researchgate.net/publication/373192985>
- Louhenapessy, D. G., J. Matakupan, & D. Buton (2023). Studi parameter kualitas air bagi kegiatan budidaya lobster (*Panulirus* sp) dengan sistem keramba jaring apung di Teluk Ambon Dalam. *TRITON: Jurnal Manajemen Sumberdaya Perairan*, 19(2), 114–121. <https://doi.org/10.30598/tritonvol19issue2page114-121>
- Mabahwi, N. A., & H. Nakamura (2024). Enhanced GIS-based multi-Decision analysis for optimal flood shelter site selection: a case study of Kuantan Malaysia. *Journal of the Malaysian Institute of Planners*, 22.
- Mahor, S., N. Shrivastava, & A. K. Dubey (2012). Image processing method based on GIS system for better disaster management. *Advanced Materials Research*, 403–408, 976–981. <https://doi.org/10.4028/www.scientific.net/AMR.403-408.976>
- Malczewski, J (1999). *GIS and Multicriteria Decision Analysis*. Ontario: J. Wiley & Sons
- Maulana, A. A., R. Irnawati, & D. Aryani. (2024). Keanekaragaman fitoplankton dan hubungannya dengan kualitas air Waduk Cikong, Kabupaten Lebak. *Habitus Aquatica*, 5(2). <https://doi.org/10.29244/HAJ.5.2.89>
- Oyda, Y., S. D. Hatiye, & M. Jothimani (2025). Groundwater vulnerability mapping in the Maze Zenti catchment, Ethiopia: Integrating the DRASTIC model with an entropy-weighted modification in a GIS environment. *Scientific African*, 30. <https://doi.org/10.1016/j.sciaf.2025.e02983>
- Petroni, A., S. Pergolini, M. Biagi, S. Colonnese, R. Cusani, & G. Scarano (2015). *Acoustic bathymetric mapping in very shallow water reservoir*. IEEE. <https://doi.org/10.23919/OCEANS.2015.7404476>
- Philipose, K. K., J. Loka, S. R. K. Sharma, & D. Damodaran (2012). *Handbook on Opensea Cage Culture*. <https://www.researchgate.net/publication/296806776>
- Phillips, M. (2009). *Mariculture Overview*. Bangkok: Network of Aquaculture Centres in Asia-Pacific (NACA)

- Price, C., K. D. Black, B. T. Hargrave, & J. A. Morris (2014). Marine cage culture and the environment: Effects on water quality and primary production. In *Aquaculture Environment Interactions*, 6(2), 151–174. Inter-Research. <https://doi.org/10.3354/aei00122>
- Priyambodo, B., C. M. Jones, & J. Sammut (2020). Assessment of the lobster puerulus (*Panulirus homarus* and *Panulirus ornatus*, Decapoda: Palinuridae) resource of Indonesia and its potential for sustainable harvest for aquaculture. *Aquaculture*, 528. <https://doi.org/10.1016/j.aquaculture.2020.735563>
- Pulungan, A. R., & D. K. S. Utomo (2025). Penilaian kondisi nelayan Pantai Timur Sumatra Utara menggunakan domain sosial dan ekonomi dari pendekatan ekosistem perikanan. *Jurnal Sosial Ekonomi Kelautan Dan Perikanan*, 19(2), 163. <https://doi.org/10.15578/jsekp.v19i2.14498>
- Radhakrishnan, E. V., B. F. Phillips, S. L. Pillai, & S. Padua (2019). Ecology and global distribution pattern of lobsters. In *Lobsters: Biology, Fisheries and Aquaculture*. https://doi.org/10.1007/978-981-32-9094-5_5
- Rahman, A. (2024). *How to cite: Analisa Kualitas Air Danau Laut Tawar Berdasarkan Parameter Fisikokimia*, 6.
- Rajesh, J., C. B. Pande, S. A. Kadam, S. D. Gorantiwar, & M. G. Shinde (2021). Exploration of groundwater potential zones using analytical hierarchical process (AHP) approach in the Godavari river basin of Maharashtra in India. *Applied Water Science*, 11(12). <https://doi.org/10.1007/s13201-021-01518-x>
- Sarah N.F., Z., A. Rivani, B. Puspitasari, F. Ikhwanasyah, F. Maulidyah, M. Oktavian, & W. Widyatmanti (2017). Marine Environmental Suitability Mapping for Lobster Sea-cage Culture in East Lombok Using Remote Sensing Data and GIS Approaches. *Aquacultura Indonesiana*, 17(2), 60. <https://doi.org/10.21534/ai.v17i2.60>
- Setiyowati, D., & A. Mustofa (2024). *Kualitas perairan Pantai Seribu Ranting Jepara*. 15(1), 81–86. <https://doi.org/10.34001/jdpt>
- Shannon, C. E. (1948). A Mathematical Theory of Communication. In *The Bell System Technical Journal*, (3).
- Sirajuddin, R. F., A. Salim, & H. Saleh (2022). Pengaruh industri perikanan terhadap sosial ekonomi masyarakat di Kawasan Pesisir Kota Kendari. *Journal of Aquaculture and Environment*, 5(1), 29–33. <https://doi.org/10.35965/jae.v5i1.2022>
- Song, L., Y. Zhao, Y. Song, L. Zhao, C. Ma, & J. Zhao (2021). Effects of saline-alkaline water on growth performance, nutritional processing, and immunity in Nile tilapia (*Oreochromis niloticus*). *Aquaculture*, 544. <https://doi.org/10.1016/j.aquaculture.2021.737036>
- Sun, W., T. Hou, C. Chen, G. Yang, B. Chen, X. Meng, & R. Ren (2024). Mapping China's coastal aquaculture ponds expansion with sentinel-2 images during

2017–2021. *International Journal of Digital Earth*, 17(1). <https://doi.org/10.1080/17538947.2023.2297943>

Suryani, A., & U. Suraya (2023). Kualitas air fisika dan studi manajemen sumber daya perairan. *Journal of Tropical Fisheries*, 17(1)

Syahrir, A., Prasetya, L. O. A. F. Hasidu, R. Saleh, A. D. Riana, N. A. Umar, & M. Yusuf (2024). Suitability of floating net cage system of lobster cultivation site (*Panulirus* spp.) through GIS approach in Samaturu Sub-district, Kolaka District, Indonesia. *Biodiversitas*, 25(11), 4105–4116. <https://doi.org/10.13057/biodiv/d251110>

Szuster, B. W., & H. Albasri (2010). Site Selection for Grouper Mariculture in Indonesia. *International Journal of Fisheries and Aquaculture*, 2(3), 87-92, <http://www.academicjournals.org/IJFA>

Taher, M. N., M. Aris, N. Wahidin, & T. Abdullah (2024). Analisis kesesuaian kawasan untuk pengembangan marikultur di Kabupaten Pulau Morotai. *Jurnal Akuatiklestari*, 8(1), 110–119. <https://doi.org/10.31629/akuatiklestari.v8i1.6978>

Tirtadanu, A. Suman, U. Chodrijah, B. Kang, & C. I. Zhang (2021). Stock assessment and management implications of three lobster species in Gunungkidul waters, Indonesia. *Ocean and Coastal Management*, 211. <https://doi.org/10.1016/j.ocecoaman.2021.105780>

Tomperi, J., A. Isokangas, T. Tuuttila & M. Paavola (2022). Functionality of turbidity measurement under changing water quality and environmental conditions. *Environmental Technology (United Kingdom)*, 43(7), 1093–1101. <https://doi.org/10.1080/09593330.2020.1815860>

Tozer, B., D.T. Sandwell, W. H. F. Smith, C. Olson, J. R. Beale & P. Wessel (2019). Global Bathymetry and Topography at 15 Arc Sec: SRTM15+. *Earth and Space Science*, 6(10), 1847–1864. <https://doi.org/10.1029/2019EA000658>

Utama, M. I. C., & Junianto. (2021). Mariculture potential in Indonesia: a review. *Global Scientific Journals*, 9(1), 956-963. www.globalscientificjournal.com

Utama, M. I. C., R. I. Rostika, T. Herawati, K. Hatami, & R. Grandiosa (2023). Analysis of different depth and types of feed on the growth of spiny lobster (*Panulirus homarus*) using the vietnamese cage method in Pantai Timur, Kabupaten Pangandaran. *Asian Journal of Fisheries and Aquatic Research*, 55–64. <https://doi.org/10.9734/ajfar/2023/v21i2538>

Vigo, M., V. Hermoso, J. Navarro, J. Sala-Coromina, J. B. Company, & S. Giakoumi (2024). Dynamic marine spatial planning for conservation and fisheries benefits. *Fish and Fisheries*, 25(4), 630–646. <https://doi.org/10.1111/faf.12830>

Wang, J., X. He, & V. G. Ferreira (2015). Ocean wave separation using CEEMD-wavelet in GPS wave measurement. *Sensors (Switzerland)*, 15(8), 19416–19428. <https://doi.org/10.3390/s150819416>

- Waryanto, R. Zulkarnain, & D. Mahabrur (2022). Automation design for lobster Floating Net Cage shifting from red tide in marine waters. *IOP Conference Series: Earth and Environmental Science*, 1118(1). <https://doi.org/10.1088/1755-1315/1118/1/012009>
- Weatherall, P., K. M. Marks, M. Jakobsson, T. Schmitt, S. Tani, J. E. Arndt, M. Rovere, D. Chayes, V. Ferrini, & R. Wigley (2015). A new digital bathymetric model of the world's oceans. *Earth and Space Science*, 2(8), 331–345. <https://doi.org/10.1002/2015EA000107>
- Wibowo, Y., N. Kuswardhani, & Q. A'yuni (2021). Analisis kelayakan pengembangan kawasan minapolitan yang berkelanjutan di Kabupaten Situbondo. *Agrointek*, 15(1), 354–363. <https://doi.org/10.21107/agrointek.v15i1.8099>
- Widianti, E. A., T. W. Nurani, M. F. A. Sondita, F. Purwangka, & P. I. Wahyuningrum, (2021). Komposisi hasil tangkapan lobster (*Panulirus* spp.) yang didaratkan di Pangkalan Pendaratan Ikan Karangduwur Kabupaten Kebumen Jawa Tengah. *Albacore*, 5(2), 121–132. <https://doi.org/https://doi.org/10.29244/core.5.2.121-132>
- Winardi, L. N., A. M. Putra, & Haeruddin (2024). Kesesuaian kualitas air laut untuk budidaya lobster akibat limbah domestik di Perairan Teluk Jor Kecamatan Jerowaru. *Jurnal Teknologi Lingkungan*, 2(2), 79–92. <https://doi.org/10.29408/jtl.v2i2.27895>
- Windupranata, W., & R. Mayerle (2009). Decision support system for selection of suitable mariculture site in the western part of Java Sea, Indonesia. *ITB Journal of Engineering Science*, 41 B(1), 77–97. <https://doi.org/10.5614/itbj.eng.sci.2009.41.1.6>
- Xiao, W., X. Lv, Y. Zhao, H. Sun, & J. Li (2020). Ecological resilience assessment of an arid coal mining area using index of entropy and linear weighted analysis: A case study of Shendong Coalfield, China. *Ecological Indicators*, 109. <https://doi.org/10.1016/j.ecolind.2019.105843>
- Yakubu, S. O., L. Falconer, & T. C. Telfer (2025). Use of scenarios with multi-criteria evaluation to better inform the selection of aquaculture zones. *Aquaculture*, 595. <https://doi.org/10.1016/j.aquaculture.2024.741670>
- Zhao, H., L. Yao, G. Mei, T. Liu, & Y. Ning (2017). A fuzzy comprehensive evaluation method based on AHP and entropy for a landslide susceptibility map. *Entropy*, 19(8). <https://doi.org/10.3390/e19080396>
- Zhi-hong, Z., Y. Yi, & J. N. Sun. (2006). Entropy method for determination of weight of evaluating in fuzzy synthetic evaluation for water quality assessment indicators. *Journal of Environmental Science* 18(6), 1020–1023.
- Zhu, S., X. Shi, C. Yang, W. Bai, X. Wei, K. Yang, P. Li, H. Li, Y. Li, & G. Wang (2024). Site selection evaluation for salt cavern hydrogen storage in China. *Renewable Energy*, 224. <https://doi.org/10.1016/j.renene.2024.120143>

Zhu, Y., D. Tian, & F. Yan (2020). Effectiveness of entropy weight method in decision-making. *Mathematical Problems in Engineering*, 2020, 1-5. <https://doi.org/10.1155/2020/3564835>

Zulbainarni, N., M. H. Haj, & Novindra. (2024). Sustainability level of the pearl lobster (*Panulirus ornatus*) aquaculture business using the systems of floating-net cage and fixed-net cage: A case study in South Sulawesi Province, Indonesia. *Aquaculture and Fisheries*, 9(5), 851–859. <https://doi.org/10.1016/j.aaf.2023.08.006>