

## DAFTAR PUSTAKA

- Abdillah, M. K. H., Mutmainah, D. F., Azizah, D. S., Fauziah, F. D. A., Subhan, B., dan Johan, O. 2024. Distribution of Coral Diseases and Compromised Health Abundance in The Eastern Coastal Water of Kei Besar Island, Southeast Maluku. *BIO Web of Conferences*. **92**: 11.
- Aeby, G. S., Howells, E., Work, T., Abrego, D., Williams, G. J., Wedding, L. M., Caldwell, J. M., Moritsch, M., dan Burt, J. A. 2020. Localized Outbreaks of Coral Disease on Arabian Reefs are Linked to Extreme Temperatures and Environmental Stressors. *Coral Reefs*. **39**(3): 829–846.
- Alamsyah, F., Nugraha, W. A., dan Insafitri. 2024. Struktur Komunitas dan Tutupan Terumbu Karang di Pulau Gili Labak dan Gili Genting, Sumenep, Indonesia. *Buletin Oseanografi Marina*. **13**(3): 363–374.
- Anderson, K. D., Wayman, C., Stephenson, S., Heron, S. F., Lough, J. M., McWilliam, M., Richardson, L. E., Scott, M. E., dan Cantin, N. E. 2023. Branching Coral Growth and Visual Health During *Bleaching* and Recovery on The Central Great Barrier Reef. *Coral Reefs*. **42**(5): 1113–1129.
- Aryamukti, G. G., Yandri, F., dan Kurniawan, D. 2024. Prevalensi Penyakit dan Gangguan Kesehatan Karang di Perairan Pulau Tidung Besar Kepulauan Seribu. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*. **17**(3): 213–225.
- Asadi, M. dan Andrimida, A. 2017. Valuasi Ekonomi Ekosistem Terumbu Karang Bangsring, Banyuwangi, Indonesia. *Economic and Social of Fisheries and Marine Journal*. **4**(02): 144–152.
- Beeden, R., Raymundo, L. J., Wilis, B. L., Page, C. A., Weil, E., dan Hooten, A. J. 2008. Underwater Cards for Assessing Coral Health on Indo-Pacific Reefs. **28**.
- Boakes, Z., Hall, A. E., Ampou, E. E., Jones, G. C. A., Suryaputra, I. G. N. A., Mahyuni, L. P., Prasetijo, R., dan Stafford, R. 2022. Coral Reef Conservation in Bali in Light of International Best Practice, a Literature Review. *Journal for Nature Conservation*. **67**: 126190.
- Botosoamananto, R. L., Todinanahary, G., Razakandrany, A., Randrianarivo, M., Penin, L., dan Adjerooud, M. 2021. Spatial patterns of Coral Community Structure in the Toliara Region of Southwest Madagascar and Implications for Conservation and Management. *Diversity*. **13**(10).
- Buhari, N., Himawan, M. R., Jefri, E., Paryono, P., Rahman, I., dan Damayanti, A. A. 2021. Kondisi Terkini Presentase Tutupan Terumbu pada Masa Pandemi Covid-19 di Gili Air, Taman Wisata Perairan Gili Matra, Nusa Tenggara Barat. *Jurnal Sains Teknologi & Lingkungan*. **7**(2): 238–247.
- Burke, S., Pottier, P., Lagisz, M., Macartney, E. L., Ainsworth, T., Drobniak, S. M., dan Nakagawa, S. 2023. The Impact of Rising Temperatures on the

- Prevalence of Coral Diseases and Its Predictability: A Global Meta-Analysis. *Ecology Letters*. **26**(8): 1466–1481.
- Capasso, L., Aranda, M., Cui, G., Pousse, M., Tambutté, S., dan Zoccola, D. 2022. Investigating Calcification-Related Candidates in a Non-Symbiotic Scleractinian Coral, *Tubastraea* sp. *Scientific Reports*. **12**(1): 1–15.
- Carlson, R. R., Crowdera, L. B., Martin, R. E., dan Asne, G. P. 2023. The Effect of Reef Morphology on Coral Recruitment at Multiple Spatial Scales. *Proceedings of the National Academy of Sciences*. **121**(4): 11.
- Charendoff, J. A., Edwards, C. B., Pedersen, N. E., Petrovic, V., Zgliczynski, B., Sandin, S. A., dan Smith, J. E. 2023. Variability in Composition of Parrotfish Bite Scars Across Space and Over Time on a Central Pacific Atoll. *Coral Reefs*. **42**(4): 905–918.
- Corvianawatie, C. dan Abrar, M. 2018. Kesesuaian Kondisi Oseanografi dalam Mendukung Ekosistem Terumbu Karang di Pulau Pari. *Jurnal Kelautan Nasional*. **13**(3): 155–162.
- Dejulien, A. G., Ulqodry, Z. T., Rozirwan, dan Siddik, J. 2022. Kondisi Tutupan Terumbu Karang dan Kelimpahan Ikan Famili Chaetodontidae di Perairan Pulau Kelagian, Provinsi Lampung. *Maspri Journal*. **14**(2): 147–156.
- Ekel, J. R., Manembu, I. S., Manengkey, H. W. ., Roeroe, K. A., Ompi, M., dan Sambali, H. 2021. Keanekaragaman Genus Karang *Scleractinia* di Perairan Pulau Tidung Kepulauan Seribu Provinsi DKI Jakarta. *Jurnal Ilmiah Platax*. **9**(2): 157–166.
- English, S., Wilkinson, C., dan Baker, V. 1997. Survey Manual for Tropical Marine Resources Second Edition. Australia.
- Erwanto, Z. dan Masluha, U. 2019. Teknologi Konservasi Artificial Temple Reef Sebagai Pengendali Abrasi Pesisir di Pulau Tabuhan Desa Bangsring Kecamatan Wongsorejo Banyuwangi. *J-Dinamika: Jurnal Pengabdian Masyarakat*. **4**(1): 103–109.
- França, F. M., Benkwitt, C. E., Peralta, G., Robinson, J. P. W., Graham, N. A. J., Tylanakis, J. M., Berenguer, E., Lees, A. C., Ferreira, J., Louzada, J., dan Barlow, J. 2020. Climatic and Local Stressor Interactions Threaten Tropical Forests and Coral Reefs. *Philosophical Transactions of the Royal Society B: Biological Sciences*. **375**(1794).
- Ginting, J. 2023. Analisis Kerusakan Terumbu Karang dan Upaya Pengelolaannya. *Jurnal Kelautan dan Perikanan Terapan*. **1**: 53.
- Giyanto. 2013. Metode Transek Foto Bawah Air untuk Penilaian Kondisi Terumbu Karang. *Jurnal Oseana*. **38**(1): 47–61.
- Good, A. M. dan Bahr, K. D. 2021. The Coral Conservation Crisis: Interacting Local and Global Stressors Reduce Reef Resiliency and Create Challenges for Conservation Solutions. *SN Applied Sciences*. **3**(3): 1–14.

- Hadi, T. A., Abrar, M., Giyanto, Prayudha, B., Johan, O., Budiyanto, A., Dzumalek, A. R., Alifatri, L. O., Sulha, S., dan Suharsono. 2020. The Status of Indonesian Coral Reefs. LIPI, Jakarta.
- Hadi, T. A., Utama, R. S., dan Arfianti, T. 2023. Species Richness and the Dynamics of Coral Cover in Bangka Belitung Islands, Indonesia. *PeerJ*. **11**: 29.
- Haliza, S. S. T., Ghitarina, G., dan Mustakim, M. 2023. Identifikasi Jenis dan Kelimpahan Sampah Laut di Pesisir Pantai Pemedas Kecamatan Samboja Kabupaten Kutai Kartanegara Kalimantan Timur. *Tropical Aquatic Sciences*. **1**(1): 69–75.
- Handayani, M., Semedi, B., Asadi, M. A., Herdiutami, M., Novakandi, R., dan Zakiyah, U. 2017. Prevalensi Penyakit Karang *White Band Disease* (WBD) Di Perairan Malang Selatan, Jawa Timur. *Prosiding Seminar Nasional Kelautan dan Perikanan III*. **2**(3): 64–69.
- Hannak, J. S., Kompatscher, S., Stachowitsch, M., dan Herler, J. 2011. Snorkelling and Trampling in Shallow-Water Fringing Reefs: Risk Assessment and Proposed Management Strategy. *Journal of Environmental Management*. **92**(10): 2723–2733.
- Harahap, S. A., Fadhil, F., dan Sunarto, S. 2021. Diseases Prevalence of *Acropora* corals: Study on Semak Daun Island , Seribu Islands , Jakarta. *World News of Natural Sciences*. **34**(1): 113–126.
- Hoegh, O. G., Poloczanska, E. S., Skirving, W., dan Dove, S. 2017. Coral Reef Ecosystems under Climate Change and Ocean Acidification. *Frontiers in Marine Science*. **4**.
- Huda, F. M., Effendy, M., Insafitri, ., dan Nugraha, W. A. 2018. Karakteristik Penyakit White Band Disease dan White Syndrome secara Visual dan Histologi pada Karang *Acropora* sp. dari Pulau Gili Labak Sumenep Madura. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. **10**(3): 711–718.
- Hughes, T. P., Kerry, J. T., Baird, A. H., Connolly, S. R., Dietzel, A., Eakin, C. M., Heron, S. F., Hoey, A. S., Hoogenboom, M. O., Liu, G., McWilliam, M. J., Pears, R. J., Pratchett, M. S., Skirving, W. J., et al. 2018. Global Warming Transforms Coral Reef Assemblages. *Nature*. **556**(7702): 492–496.
- Insafitri, I., Asih, E. N. N., dan Nugraha, W. A. 2021. Dampak Snorkeling Terhadap Porsen Tutupan Terumbu Karang di Pulau Gili Labak Sumenep Madura. *Buletin Oseanografi Marina*. **10**(2): 151–161.
- Irawan, D., Mukti, A. T., Andriyono, S., dan Muhsoni, F. F. 2023. Assessment of Coral Reef Condition using UPT Method on Gili Labak Island, Madura Indonesia. *IOP Conference Series: Earth and Environmental Science*. **1273**(1).
- Isdianto, A., Fewila, A. R., Rijal, S. S., Setyanto, A., Fathah, A. L., Atikawati, D., Putri, B. M., Puspitasari, I. D., dan Luthfi, O. M. 2024. Coral Disease Prevalence and Compromised Health in the Sempu Island Nature Reserve,

- Malang District, Indonesia. *Biodiversitas*. **25**(4): 1404–1412.
- Kayal, M., Mevrel, E., dan Ballard, J. 2023. Video Transect-Based Coral Demographic Investigation. *Coasts*. **3**(4): 370–382.
- Kelley, R. 2016. Coral Finder 3rd Edition. 30.
- Kohler, K. E. dan 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.
- Lachs, L., Biondi, P., Gouezo, M., Nestor, V., Olsudong, D., Guest, J., dan Golbuu, Y. 2024. Demographic Recovery of Corals at a Wave-Exposed Reef Following Catastrophic Disturbance. *Coral Reefs*. **43**(1): 193–199.
- Lee, C. S., Walford, J., dan Goh, B. P. L. 2009. Adding Coral Rubble to Substrata Enhances Settlement of *Pocillopora damicornis* larvae. *Coral Reefs*. **28**(2): 529–533.
- Lei, X., Liu, C., Yu, X., Luo, Y., Zhang, Y., Yang, J., Zhou, G., dan Huang, H. 2024. The Impact of Macroalgae on Reef-Building Corals Depends on Their Species, Density, and Contact Status. *Global Ecology and Conservation*. **54**(11): 9.
- Lekatompessy, D., Sa'adah, N., dan Wijaya, N. I. 2023. Identifikasi Penyakit pada Terumbu Karang di Pulau Gili Labak, Sumenep, Madura. *Journal of Marine Research*. **12**(4): 604–612.
- Lentz, S. J., Churchill, J. H., Davis, K. A., Farrar, J. T., Pineda, J., dan Starczak, V. 2024. The Characteristics and Dynamics of Wave-Driven Flow Across a Platform Coral Reef in the Red Sea. *Journal of Geophysical Research: Oceans*. **121**: 3372–3380.
- Mason, R. A. B., Skirving, W. J., dan Dove, S. G. 2023. Photoacclimation Dynamics in Coral Holobionts Responding to Thermal and Irradiance Changes Correlate with Photon Pressure Per Symbiont. *Limnology and Oceanography*. **68**(11): 2529–2543.
- McClure, E. C., Hoey, A. S., Sievers, K. T., Abesamis, R. A., dan Russ, G. R. 2021. Relative Influence of Environmental Factors and Fishing on Coral Reef Fish Assemblages. *Conservation Biology*. **35**(3): 976–990.
- Mellani, N. L. P. F., Hendrawan, I. G., dan Karim, W. 2018. Kondisi Kesehatan Karang Genus *Porites* di Perairan Jemeluk dan Penuktukan-Bali. *Journal of Marine and Aquatic Sciences*. **5**(1): 29.
- Muhidin, Yulianda, F., dan Zamani, N. P. 2017. Dampak Snorkeling dan Diving Terhadap Ekosistem Terumbu Karang. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. **9**(1): 315–326.
- Mundil, S. P., Jogee, S. Y., Kaullysing, D., dan Bhagooli, R. 2023. Prevalence and

- Thermal Photo-Physiological Responses of Skeletal Eroding Band (SEB)-Affected *Acropora muricata* from Mauritius Island. *Indo Pacific Journal of Ocean Life*. **7**(1): 48–53.
- Nayyiroh, D. Z. dan Muhsoni, F. F. 2023. Evaluasi Kondisi Terumbu Karang di Pulau Gili Labak Kabupaten Sumenep. *Juvenil: Jurnal Ilmiah Kelautan dan Perikanan*. **3**(4): 125–133.
- Neely, K. L., Shea, C. P., Macaulay, K. A., Hower, E. K., dan Dobler, M. A. 2021. Short- and Long-Term Effectiveness of Coral Disease Treatments. *Frontiers in Marine Science*. **8**: 1–18.
- Nozawa, Y., Lin, C. H., dan Chung, A. C. 2013. Bathymetric Variation in Recruitment and Relative Importance of Pre- and Post-Settlement Processes in Coral Assemblages at Lyudao, Taiwan. *PLoS ONE*. **8**(11): 6–12.
- Pagani, N. E., Xu, Y., Yan, M., He, J., Jiang, Z., dan Jiang, H. 2022. Trade-offs Between Economic Development and Biodiversity Conservation on a Tropical Island. *Conservation Biology*. **36**(5).
- Palupi, R. D., Haya, L. O. M. Y., Sabdaningsih, A., Ayuningrum, D., dan Sabdono, A. 2025. Impact of Human Activities on Coral Metric Diversity and Disease Prevalence in Padamarang and Wangi Islands, Southeast Sulawesi, Indonesia. *Biodiversitas*. **26**(3): 1334–1342.
- Pangestu, A. D. N., Wiyanto, D. B., Dharma, I. G. B. S., dan Faiqoh, E. 2023. Analisis Kesehatan Terumbu Karang Berdasarkan Kelimpahan Ikan Herbivora di Perairan Labuan Bajo. *Journal of Marine and Aquatic Sciences*. **9**(1): 135.
- Patty, S. I. dan Akbar, N. 2018. Kondisi Suhu, Salinitas, pH dan Oksigen Terlarut di Perairan Terumbu Karang Ternate, Tidore dan Sekitarnya. *Jurnal Ilmu Kelautan Kepulauan*. **2**(1): 1–10.
- Ramesh, C., Shunmugaraj, T., Koushik, S., dan Murthy, M. V. R. 2023. *Porites* sp. Deposits Pink Pigmentation to Limit the Propagation of Vermitid Gastropods and Rhodoliths at Coral Surface Interfaces. *Discover Environment*. **1**(1): 1–6.
- Rasher, D. B. dan Hay, M. E. 2010. Chemically Rich Seaweeds Poison Corals when not Controlled by Herbivores. *Proceedings of the National Academy of Sciences of the United States of America*. **107**(21): 9683–9688.
- Raymundo, L. J., Couch, C. S., Bruckner, A. W., dan Harvell, C. D. 2008. Coral Disease Handbook Guidelines for Assessment. *Management*. 1–124.
- Ridla, M., Kanom, dan Darmawan, R. N. 2021. Strategi Pengembangan Daya Tarik Wisata Bangsring Underwater Berbasis Masyarakat. *Journal of Tourism and Economic*. **4**(2): 135–152.
- Rombe, K. H., Rosalina, D., Jusliana, Surachmat, A., Arafat, Y., Hawati, Najih, M. R., Amiluddin, M., Rahman, A., dan Hermawan, R. 2023. Kepadatan dan

- Keanekaragaman Animal Fouling pada Dermaga Beton Di Pulau Harapan, Balai Taman Nasional Kepulauan Seribu. *Jurnal Kelautan*. **16**(3): 243–250.
- Sabdono, A., Wijayanti, D. P., Hilmi, M., dan Satya, E. D. 2024. Possible Effects of Shipping Routes on Coral Reef Degradation and Diversity in Karimunjawa Marine National Park, Java Sea. *BioRisk*. **2024**(22): 53–64.
- Souhoka, J. 2018. Keanekaragaman Jenis dan Persentase Tutupan Karang Keras di Perairan Desa Tumbak, Kabupaten Minahasa Tenggara. *Jurnal Ilmu Kelautan Kepulauan*. **2**(1): 60–75.
- Sudarmaji, S. dan Efendy, M. 2021. Hubungan Persentase Penutupan Karang Hidup Terhadap Kelimpahan Ikan Karang di Perairan Pulau Noko Selayar Kabupaten Gersik. *Juvenil: Jurnal Ilmiah Kelautan dan Perikanan*. **2**(1): 39–46.
- Suryono, Ambariyanto, A., Munasik, Wijayanti, D. P., Ario, R., Pratikto, I., Taufiq-Spj, N., Canavaro, S. V., Anggita, T., Sumarto, B. K. A., dan Cullen, J. 2021. Bioecology of Coral Reef in Panjang Island of Central Java Indonesia. *Ilmu Kelautan: Indonesian Journal of Marine Sciences*. **26**(2): 125–134.
- Tarigan, A. L. M. L., Lina, L. F., dan Anggarini, D. R. 2021. Pemahaman Investasi Generasi Milenial pada Minat Berinvestasi di Peer Lending, Bandar Lampung. *Strategy of Management and Accounting through Research and Technology*. **1**(1): 49–58.
- Tedetti, M., Bigot, L., Turquet, J., Guigue, C., Ferretto, N., Goutx, M., dan Cuët, P. 2020. Influence of Freshwater Discharges on Biogeochemistry and Benthic Communities of a Coral Reef Ecosystem (La Réunion Island, Indian Ocean). *Frontiers in Marine Science*. **7**: 1–18.
- Thurber, V. R., Mydlarz, L. D., Brandt, M., Harvell, D., Weil, E., Raymundo, L., Willis, B. L., Langevin, S., Tracy, A. M., Littman, R., Kemp, K. M., Dawkins, P., Prager, K. C., Garren, M., et al. 2020. Deciphering Coral Disease Dynamics: Integrating Host, Microbiome, and the Changing Environment. *Frontiers in Ecology and Evolution*. **8**: 1–18.
- Tuttle, L. J. dan Donahue, M. J. 2022. Effects of Sediment Exposure on Corals: a Systematic Review of Experimental Studies. *Environmental Evidence*. **11**(1): 1–33.
- Tuwo, A. dan Tresnati, J. 2021. Coral Reef Ecosystem. (2).
- Veron, J. E. . 2000. Corals of the World. *Townsville: Australian Institute of Marine Science*. **1**(1440).
- Viswambharan, D., Anto, A., dan Sreenath, K. R. 2025. Taxonomy of Hard Corals : Classification and Identification. 195–207.
- Voolstra, C. R., Peixoto, R. S., dan Ferrier-Pagès, C. 2023. Mitigating the Ecological Collapse of Coral Reef Ecosystems. *EMBO reports*. **24**(4): 1–7.
- Wahyufatwatul, U. A. S., Litaay, M., Priosambodo, D., dan Moka, W. 2017.

- Genera Karang Keras di Pulau Barrang Lompo dan Bone Batang Berdasarkan Metode Identifikasi Coral Finder. *Bioma: Jurnal Biologi Makassar*. **2**(2): 39–51.
- Webster, F. J., Babcock, R. C., Van Keulen, M., dan Loneragan, N. R. 2015. Macroalgae Inhibits Larval Settlement and Increases Recruit Mortality at Ningaloo Reef, Western Australia. *PLoS ONE*. **10**(4): 1–14.
- Wulandari, P., Sainal, Cholifatullah, F., Janwar, Z., Nasruddin, Setia, T. M., Soedharma, D., Praptiwi, R. A., dan Sugardjito, J. 2022. The Health Status of Coral Reef Ecosystem in Taka Bonerate, Kepulauan Selayar Biosphere Reserve, Indonesia. *Biodiversitas*. **23**(2): 721–732.
- Yusman, Amalia Nurdin, dan Akbar Indrawan Saudi. 2022. Pelatihan dan Pendampingan Komunitas Ruang Baca Inspirasi Desa Tonyaman Kabupaten Polewali Mandar dalam Upaya Budidaya Terumbu Karang yang Ramah Lingkungan dan Berkelanjutan. *Jurnal Indonesia Mengabdi*. **1**(1): 25–33.
- Zhao, J., Li, C., Wang, T., Shi, J., Song, X., dan Liu, Y. 2023. Composition and Long-Term Variation Characteristics of Coral Reef Fish Species in Yongle Atoll, Xisha Islands, China. *Biology*. **12**(8).
- Zurba, N. 2019. Pengenalan Terumbu Karang sebagai Pondasi Utama Laut Kita.

