

DAFTAR PUSTAKA

- Aditiyawan Ahmad. 2017 Respon Ikan Karang Pada Area Apartemen Ikan Di Perairan Tobololo Dan Gamalama Kota Ternate. Coastal and Ocean Journal 01. 1–6 Bogor agricultul university. Journal home page: journal@pksplipb.or.id
- Adrim, M. 2007. Komunitas Ikan Karang Di Perairan Pulau Enggano, Propinsi Bengkulu. Oseanologi dan Limnologi di Indonesia. 33: 139 – 158.
- Adrim M, Hutomo M, Suharti S R. 1991. *Chaetodontid fish community Structure and Its Relation to Reef Degradation at the Seribu Islands Reefs, Indonesia. Proceeding of the Regional Symposium on Living Resources in Coastal Areas.*
- Adrim, M. 2011. Struktur komunitas ikan karang di Pulau Bawean. Dalam: Ruyitno, M. Muchtar, Pramuji, Sulistijo, Tjutju Susana, & Fahmi (Ed.) Biodiversitas di Kawasan Perairan Pulau Bawean. Pusat Penelitian Oseanografi–Lembaga Ilmu Pengetahuan Indonesia. Hal. 48–61.
- Allen, M., E. 2005. *MacConkey Agar Plates Protocols. American Society for Microbiology, Amerika Serikat.*
- Allen, G. R., R. Steene, P. Humann, N. Deloach. 2003. *Reef fish identification tropical pacific. New World Publication, Inc. Jacksonville, Florida USA.*
- Allen, G.R., dan Adrim, M. 2003. *Coral Reef Fish of Indonesia Review Article. Zoological Studies*, 42(1): 1-72.
- Allen, S.J. dan B. Koumanova. (2005). “*Decolourisation of Water/Wastewater Using Adsorption (Review)*”. Journal of the University of Chemical technology and Metallurgy. 40, (3), 175-192.
- Bambang. 2011. Apartment Ikan (*Fish apartment*) Sebagai Pilar Pelestari Sumberdaya Ikan. Balai Besar Pengembangan Penangkapan Ikan (BBPPI, Direktorat Jendral Perikanan Tangkap, Kementerian Kelautan dan Perikanan. Semarang.
- Bartholomeus Marthen L.R., Dirk Y.P. Runtuboi Dan Rosye H.R. Tanjung (2013). *Konservasi dan Kondisi Terumbu Karang di Kampung Saporkren Distrik Waigeo Selatan, Kabupaten Raja Ampat, Papua Barat.* papua barat: Jurnal Biologi Papua Volume 5, Nomor 2 Halaman: 68–76.

- Bassett, C.E., 1994. *Use and evaluation of fish habitat structures in the lakes of the eastern United States*. USDA For. Serv. Bull. Mar. Sci. 55, 1137–1148.
- Bombace, G., Fabi, G., Fiorentini, L., Speranza, S., 1994. *Analysis of the efficacy of artificial reefs located in five different areas of the Adriatic Sea*. Bull. Mar. Sci. 55 (2-3), 559-580.
- Dahuri R. 2003. Keanekaragaman Hayati Laut, Aset Pembangunan Berkelanjutan.
- Brickhill, M.J., Lee, S.Y., Connolly, R.M., 2005. *Fishes associated with artificial reefs: attributing changes to attract ion or production using novel approaches*. J. Fish Bio l. 67, 53–71.
- Blake E. Ashforth, Alan M. Saks and Raymond T. Lee 1986. *operationalization of these tactics has been used in most survey studies of the Van Maanen and Schein model*. 350 Main Street, Malden, MA 02148, USA.
- Budhiman AA. 2011. Panduan pelaksanaan pengembangan rumah ikan dalam rangka pemulihan sumberdaya ikan. Direktorat Sumberdaya Ikan dan Balai Besar Pengembangan Penangkapan Ikan Semarang, Direktorat Jendral Perikanan Tangkap.
- Brickhill, M.J., Lee, S.Y., Connolly, R.M., 2005. *Fishes associated with artificial reefs: attributing changes to attract ion or production using novel approaches*. J. Fish Bio l. 67, 53–71.
- Clua, E., P. Legendre, L. Vigliola, F. Magron, M. Kulbicki, S. Sarra megna, P. Labrosse, R. Galzin, 2006. Medium scale approach (MSA) for improved assessment of coral reef fish habitat. Journal of Experimental Marine Biology and Ecology, Vol. 333, 219–230.
- Creque, S.M., Raffenberg, M.J., Brofka, W.A., Dettmers, J.M., 2006. *If you build it, will they come? Fish and angler use at a freshwater artificial reef*. N. Am. J. Fish. Manag. 26, 702–713.
- Dumont, P., Amours, J.D., Thibodeau, S., Dubuc, N., Verdon, R., Garceau, S., Bilodeau, P., Mailhot, Y., Fortin, R. 2011. *Effects of the development of a newly created spawning ground in the Des Prairies River (Quebec, Canada) on the reproductive success of lake sturgeon (Acipenser fulvescens)*. J. Appl. Ichthyol. 27, 394–404.
- Edrus, I.N., Arief, S., & Setyawan, I.E. 2010. Kondisi Kesehatan Terumbu Karang Teluk Saleh, Sumbawa: Tinjauan Aspek Substrat Dasar Terumbu

dan Keanekaragaman Ikan Karang. Jurnal Penelitian Perikanan Indonesia, 16: 147–161. doi: 10.15578/jppi. 16.2.2010.147-161

English, S., C. Wilkinson, and V. Baker. 1997. Survey Manual for Tropical Marine Resources. AIMS. Townsville.

Estradivari, E. Setyawan, dan S. Yusri. 2009. Terumbu karang Jakarta: pengamatan jangka panjang terumbu karang Kepulauan Seribu (2003-2007). Yayasan TERANGI. Jakarta. 102hlm.

Fitzsimons, J.D., 1996. *The significance of man-made structures for lake trout spawning in the Great Lakes: are they a viable alternative to natural reefs ?* *Can. J. Fish. Aquat. Sci.* 53, 142–151.

Giraldes, B.W., A.Z. Silva, F.M. Corrêa, D.M. Smyth, 2015. Artisanal fishing of spiny lobsters with gillnets-A significant anthropic impact on tropical reef ecosystem. *Global Ecology and Conservation*, Vol. 4, 572–580.

Green, A.L., & Bellwood, D.R. (2009). *Monitoring functional groups of herbivorous reef fishes as indicators of coral reef resilience. In A practical guide for coral reef managers in the Asia Pacific region (p. 70). Gland, Switzerland : IUCN working group on Climate Change and Coral Reefs.*

Hallacher, L.E. 2003. *The Ecology of Coral Reef Fishes.* [http://www.kmec.uhh.hawaii.edu/QuestInfo/Cor-al20 Reef 20 Fishes20-20May 202003](http://www.kmec.uhh.hawaii.edu/QuestInfo/Cor-al20_Reef_20_Fishes20-20May202003).

Hourigan, T. F., Tymothy, C. Tricas, & E. S. Reese. 1988. *Coral reef fishes as indicators of environmental stress in coral reefs. In: Dorothy F. S. & G. S. Kleppel (Eds.). Springer-Verlag New York Inc., New York. Pp. 107-135.*

Hughes, R.M., Dunham, S., Maas-Hebner, K.G., Yeakley, J.A., Schreck, C., Harte, M., Molina, N., Shock, C.C., Kaczynski, V.W., Schaeffer, J., 2014. A review of urban water body challenges and approaches: (1) rehabilitation and remediation. *Fisheries* 39, 18–29.

Ilyas M. 2008. Studi Awal Penerapan Teknologi Terumbu Karang Buatan di Sekitar Pulau Kelapa Kepulauan Seribu. Universitas Indonesia: Jakarta.

Jähnig, S.C., Lorenz, A.W., Hering, D., Antons, C., Sundermann, A., Jedicke, E., Haase, P., 2011. *River restoration success: a question of perception.* *Ecol. Appl.* 21, 2007 –2015.

- Jelks, H.L., Walsh, S.J., Burkhead, N.M., Contreras-Balderas, S., Diaz-Pardo, E., Hendrickson, D.A., Lyons, J., Mandrak, N.E., McCormick, F., Nelson, J.S., Platania, S.P., Porter, B.A., Renaud, C.B., Schmitter-Soto, J.J., Taylor, E.B., Warren, M.L., 2008. *Conservation status of imperiled North American fresh water and diadromous fishes. Fisheries 33, 372-407. and diadromous fishes. Fisheries 33, 372-407.*
- Kelch, D.O., 2012. *Lake Erie's artificial reef program: build it and they will come. Ohio Sea Grant, Fact Sheet Series FS-072.*
- Kuhl, D., 1992. *14 years of artificial grain feeding in the Rhine downstream of the barrage Iffezheim. In: Larsen, P., Eisenhauer, N. (Eds.), Proceedings of the 5th International Symposium on River Sedimentation. Karlsruhe, Germany, pp. 1121–1129.*
- Kamaali, Muhammad & Baskoro, Mulyono & Wisudo, Sugeng. (2017). *Pengkayaan Sumberdaya Ikan Dengan Fish Apartment Di Perairan Bangsring, Banyuwangi. Jurnal Teknologi Perikanan dan Kelautan. 7. 11. 10.24319/jtpk.7.11-20.*
- Labrosse, P. 2002. *Underwater Visual Census Survey. Proper and Implementation. Secretariat of the Pacific Community. Noumea New Caledonia.*
- Leujak, W., R.F.G. Ormond, 2007. Comparative accuracy and efficiency of six coral community survey methods. *Journal of Experimental Marine Biology and Ecology*, Vol. 351, 168–187.
- Lim, G.S.Y., & L.M.Chou. 1991. Studies of reef fish communities in Singapore. In: A. C. Alcala (Ed.); *Proceedings of the regional symposium on living resources in coastal areas. Manila, Philippines. Pp. 117–127.*
- Lowry, M., H. Folpp, M. Gregson, I. Suthers, 2012. Comparison of baited remote underwater video (BRUV) and underwater visual census (UVC) for assessment of artificial reefs in estuaries. *Journal of Experimental Marine Biology and Ecology*, Vol. 416-417, 243–253
- Maharbhakti, H.R. 2009. *Hubungan Kondisi Terumbu Karang dengan Keberadaan Ikan Chaetodontidae di Perairan Pulau Abang, Batam. Tesis. Bogor: IPB.*

- Mahulette, R.T., Panggabean, A., Nugroho, D. & Lubis, R.L. 2017. Dampak Pemasangan Hunian Ikan Buatan Sebagai Upaya Pemulihan Habitat Sumberdaya Ikan Demersal di Perairan Pantai Brebes, Jawa Tengah. *Jurnal Kebijakan Perikanan Indonesia*, 9(1):31-40. DOI: 10.15578/jkpi.9.1.2017.31-40
- Makatipu, P.C., T. Peristiwady, dan M. Leuna 2010. Biodiversitas ikan target di terumbu karang Taman Nasional Bunaken, Sulawesi Utara. *Oseanol. Limnol. di Indonesia*, 36(3): 309 – 328).
- Manthacitra, V., S. Sudara, & S. Satumanapatpan. 1991. *Chaetodon octofasciatus as indicator species for reef condition*. In: A. C. Alcala (Ed.). *Proceedings of the regional symposium on living resources in coastal areas*. Manila, Philippines. Pp. 135–139
- Martasuganda S. 2008. Jaring Insang (Gillnet). Edisi Revisi. Bogor: Departemen Pemanfaatan Siumberdaya Perikanan. IPB. 144 hlm
- Marsden, J.E., Chotkowski, M.A., 2001. *Lake trout spawning on artificial reefs and the effect of zebra mussels: fatal attraction? J. Great Lakes Res.* 27, 33-43.
- Mochamad Iqbal Herwata Putra, Teo Andri Saputra , Julian Saputra 2013. Studi Pengaruh Kesehatan Terumbu Karang Terhadap Kelimpahan dan Biomassa Ikan Ekonomis dan Ikan. Fakultas Perikanan dan Ilmu Kelautan, Universitas Diponegoro.
- Neelmani., C. Ritesh, P. Mahendra, S. Vagh, U.D. Vyas, T.N. Muniya. 2019. *Impacts of climate change on marine biodiversity. Journal of Entomology and Zoology Studies*. 2:425-430.
- Nurhasinta, Umroh dan Indra Ambalika Syari 2019 Kelimpahan Ikan Chaetodontidae dan Pomacentridae di Ekosistem Terumbu Karang Pulau Ketawai dan Pulau Gusung Asam Kabupaten Bangka Tengah Universitas Bangka Belitung Maspari Journal.
- Muzaki FK. 2007. Kecepatan Pertumbuhan Fragmen Karang “Acropora formosa” dan “Acropora nobilis” dengan Jumlah Percabangan Berbeda. Tugas Akhir Jurusan Biologi – FMIPA ITS. Surabaya.
- Nybakken, J.W. 1992. Biologi Laut, Suatu Pendekatan Ekologis. Jakarta: PT. Gramedia Pustaka Utama.

- Obura, D. & G. Grimsditch. 2009. *Resilience assessment of coral reefs: Rapid assessment protocol for coral reefs, focusing on coral bleaching and thermal stress*. 4th ed. IUCN. Gland, Switzerland. 70 pp. <http://www.iucn.org/cccr/publications>.
- Odum, E. P., 1971. *Dasar-dasar Ekologi*. Cetakan ke-3. Gajah Mada University Press, Yogyakarta.
- Palmer, R.W. 2005. *Dairy Modernization*. Thomson Delmar Learning, Canada
- Pickering, H., Marsh, D.W., Jensen, A. 1998. Artificial Reefs as a Tool to Aid Rehabilitation of Coastal Ecosystems: Investigating the Potential. *Marine Pollution Bulletin* Vol. 37, Nos. 8–12, pp. 505-514
- Pink, J.R. and C.J. Fulton, 2015. Fin spotting: efficacy of manual and video-based visual assessments of reef fish swimming behavior. *Journal of Experimental Marine Biology and Ecology*, Vol. 465, 92–98
- Pelletier, D., K. Leleu, G.M. Tham, N. Guillemot, P. Chabanet, 2011. Comparison of visual census and high definition video transects for monitoring coral reef fish assemblages. *Fisheries Research*, Vol. 107, 84–93.
- Pratchett, M.S., Wilson, S.K. & Baird, A.H. 2006. *Declines in the abundance of Chaetodon butterflyfishes (Chaetodontidae) following extensive coral depletion*. *Journal of Fish Biology* 69, 1269–1280.
- Rutherford, E.S., Marshall, E., Clapp, D., Horns, W., Gorenflo, T., Trudeau, T., 2004. *Lake Michigan Environmental Objectives*. Available from, <http://www.glf.org/research/reports/RutherfordEOs.pdf> [accessed 9 January 2013].
- Smyth, K., dan M. Elliott. 2016. *Effects of changing salinity on the ecology of the marine environment*. In: Solan M. Whiteley NM (eds), *Stressors in The Marine Environment-Chapter 9*. Oxford University Press. Oxford.
- Suharsono. 2008. *Jenis-jenis karang di Indonesia*. LIPI Press. Jakarta. 351 hlm.
- Sulistiani T. 2010. *Suksesi Komunitas Ikan Karang Pada Lokasi Rehabilitasi Terumbu Karang Di Pulau Kelapa, Kepulauan Seribu*. Departemen Sumberdaya Perairan. Fakultas Ilmu Kelautan dan Perikanan. Institut Pertanian Bogor. Bogor.

- Syakur. 2000. Komunitas Ikan Karang pada Ekosistem Terumbu Karang Ponton Bodong dan Toyapakeh, Nusa Penida, Bali. Program Studi Ilmu dan Teknologi Kelautan Fakultas Perikanan dan Ilmu Kelautan Intitut Pertanian Bogor. Bogor. 78 hal.
- Tjahjo, D. W.H & Purnamaningtyas.S . E. 2008. Kajian Kebiasaan Makanan, Luas Relung, Dan Interaksiantar Jenis Ikan Di Waduk Cirata, Jawa Barat. Jatiluhur. Jurnal Iktiologi Indonesia, Volume 8.
- Tony, F., Soemarno, G.R.W. Dewa, H. Luchman. 2020. Diversity of Reef Fish in Halang Melingkau Island. South Kalimantan. Indonesia. Biodiversitas. 21:4804-4812.
- Whiteway, S.L., Biron, P.M., Zimmermann, A., Venter, O., Grant, J.W., 2010. *Do in-stream restoration structures enhance salmonid abundance? A meta-analysis*. Can. J. Fish. Aquat. Sci. 67, 831-841.
- Williams, D. McB. and A. Hatcher. 1983. *Structure of fish communities on outer-slopes of inshore, midshelf and outer shelf reefs of the Great Barrier Reef*. Mar. Ecol. Prog. Ser., 10: 23-34.
- Wootton, R.J. (1990). *Ecology of teleost fishes*. Chapman & Hall. London.