



DAFTAR PUSTAKA

- Alikodra, H. S. 2020. Era baru konservasi sumber daya alam dan lingkungan: membumikan ekosofi bagi keberlanjutan umat. PT Penerbit IPB Press. www.ipbpress.com
- Amalia, R., Irma Fitriani, A., & Sujadmiko, B. 2018. Perlindungan hak anak buah kapal dalam kerangka hukum nasional dan hukum internasional. LPPM Unila - Institutional Repository. http://repository.lppm.unila.ac.id/9197/1/perlindungan_hak_anak_buah_kapal_dalam_kerangka_hukum_nasional_and_hukum_internasional_%281%29.pdf
- Amkieltiela, Andradi-brown, D., Firmansyah, F., & Estradivari. 2018. Pengamatan terumbu karang untuk evaluasi dampak pengelolaan di suaka alam perairan (SAP) Selat Pantar dan perairan sekitarnya. <https://doi.org/10.6084/m9.figshare.7015103>
- Amornpiyakrit, T., & Siriraksophon, S. 2016. Management of fishing capacity for sustainable fisheries: RPOA-Capacity. In fish for the people. 14 (2). <https://repository.seafdec.org/handle/20.500.12066/991?locale-attribute=km>
- Angraeni, Rezkyanti, N. I., Safruddin, & Zainuddin, M. 2014. Analisis spasial dan temporal hasil tangkapan ikan cakalang (Katsuwonus pelamis) dan thermal front pada musim peralihan di Perairan Teluk Bone. Jurnal IPTEKS PSP. 1(1): 20–27. <https://doi.org/https://doi.org/10.20956/jipsp.v1i1.57>
- Anggalini, T. D., Retnandari, N. D., Yuliani, K., Keban, Y. T., & Mulyo, J. H. 2020. Sustainable food agriculture land protection policy for Gunungkidul, Yogyakarta, Indonesia: Solution or dilemma? IOP Conference Series: Earth and Environmental Science. 423: 1–6. <https://doi.org/10.1088/1755-1315/423/1/012043>
- Ariska, P. E., & Prayitno, B. 2019. Pengaruh umur, lama kerja, dan pendidikan terhadap pendapatan nelayan di kawasan Pantai Kenjeran Surabaya tahun 2018. Economie, 01(1): 38–47. <https://journal.uwks.ac.id>
- Arista, L. D., & Marhaeni, S. S. 2018. Persepsi masyarakat nelayan tentang pentingnya pendidikan formal 12 tahun (studi kasus di Desa Kedungrejo Kecamatan Muncar Kabupaten Banyuwangi). JPPKn. 3(1): 12–17. <https://ejournal.unibabwi.ac.id>
- Azizah, Y., Isnaini Marliana, Siska Agustina, & M Natsir. 2023. Kondisi stok perikanan di WPPNRI 573. Fisheries Resources center of Indonesia. <https://perikanan.org>
- Badan Pemeriksa Keuangan. 2021. Kabupaten Lembata. <https://ntt.bpk.go.id/kabupaten-lembata/>
- Badan Pusat Statistik Provinsi Nusa Tenggara Timur. 2021. Provinsi Nusa Tenggara Timur dalam Angka 2021. <https://ntt.bps.go.id>
- Badiuzzaman, Wijayanto, D., & Yulianto, T. 2014. Analisis potensi tangkap sumber daya rajungan (blue swimming crab) di Perairan Demak. Journal of Fisheries Resources



Utilization Management and Technology. 3 (3): 248–256.
<https://ejournal3.undip.ac.id/index.php/jfrumt/article/view/5570>

Balai Kawasan Konservasi Perairan Nasional Kupang. 2020. Profil kawasan konservasi perairan taman nasional perairan Laut Sawu. <https://kkp.go.id/djprl/bkkpnkupang/page/352-profil-tnp-laut-sawu>

Balai Kawasan Konservasi Perairan Nasional Kupang. 2020. Taman nasional perairan Laut Sawu (p. 1). Kementerian Kelautan dan Perikanan. <https://kkp.go.id/djprl/bkkpnkupang/page/352-profil-tnp-laut-sawu#:~:text=Laut%20Sawu%20sebagai%20wilayah%20sentral,laut%20lainnya%20yang%20cukup%20tinggi.&text=Deklarasi%20pencadangan%20TNP%20Laut%20Sawu>, Manado tanggal 13 Mei 2009

Bari, A., & Hidayat, R. 2022. Teori hirarki kebutuhan Maslow terhadap keputusan pembelian merek gadget. Motivasi. 7 (1): 8–14. <http://jurnal.um-palembang.ac.id/motivasi>

Barreto, R. R., Bornatowski, H., Motta, F. S., Santander-Neto, J., Vianna, G. M. S., & Lessa, R. 2017. Rethinking use and trade of pelagic sharks from Brazil. Marine Policy. 85 (February): 114–122. <https://doi.org/10.1016/j.marpol.2017.08.016>

Barrowclift, E., Temple, A. J., Stead, S., Jiddawi, N. S., & Berggren, P. 2017. Social, economic and trade characteristics of the elasmobranch fishery on Unguja Island, Zanzibar, East Africa. Marine Policy. 83 (May): 128–136. <https://doi.org/10.1016/j.marpol.2017.06.002>

Bennett, M. B., Marshall, A. D., Kodja, G., Hinojosa-Alvarez, S., Galvan-Magana, F., Harding, M., Stevens, G., & Kashiwagi, T. 2015. Manta birostris, giant manta ray. in the IUCN red list of threatened species. <https://doi.org/http://dx.doi.org/10.2305/IUCN.UK.2018-1.RLTS.T198921A126669349.en>

Bergin, D., Wu, D., & Meijer, W. 2020. Response to “the imaginary ‘asian super consumer’: a critique of demand reduction campaigns for the illegal wildlife trade.” Geoforum. April: 0–1. <https://doi.org/10.1016/j.geoforum.2020.04.009>

Bernardo, C., Corrêa de Lima Adachi, A. M., Paes da Cruz, V., Foresti, F., Loose, R. H., & Bornatowski, H. 2020. The label “Cação” is a shark or a ray and can be a threatened species! Elasmobranch trade in Southern Brazil unveiled by DNA barcoding. Marine Policy. 116 (December 2019). <https://doi.org/10.1016/j.marpol.2020.103920>

Biggs, D., Abel, N., Knight, A. T., Leitch, A., Langston, A., & Ban, N. C. 2011. The implementation crisis in conservation planning: Could “mental models” help? Conservation Letters. 4 (3): 169–183. <https://doi.org/10.1111/j.1755-263X.2011.00170.x>

Booth, H., Pooley, S., Clements, T., Putra, M. I. H., Lestari, W. P., Lewis, S., Warwick, L., & Milner-Gulland, E. J. 2020. Assessing the impact of regulations on the use and



trade of wildlife: An operational framework, with a case study on manta rays. *Global Ecology and Conservation*. 22 (e00953). <https://doi.org/10.1016/j.gecco.2020.e00953>

Booth, H., Squires, D., & Milner-Gulland, E. J. 2019. The neglected complexities of shark fisheries, and priorities for holistic risk-based management. *Ocean and Coastal Management*. 182 (July): 104994. <https://doi.org/10.1016/j.ocecoaman.2019.104994>

BPBD NTT. 2024. Peta pencegahan dan kesiapsiagaan Provinsi Nusa Tenggara Timur. <https://bpbd.nttprov.go.id/pojok-data/gambar?pojok=pencegahan-dan-kesiapsiagaan>

BPS NTT. 2022. Jumlah alat penangkap ikan usaha perikanan menurut kabupaten dan jenis alat penangkap ikan. <https://ntt.bps.go.id/indicator/56/287/1/jumlah-alat-penangkap-ikan-usaha-perikanan-menurut-kabupaten-dan-jenis-alat-penangkap-ikan.html>

BPS NTT. 2024. Produksi Perikanan Tangkap di Laut Menurut Kabupaten/Kota dan Komoditas Utama. 2019-2021

Breen, P., Brown, S., Reid, D., & Rogan, E. 2017. Where is the risk? Integrating a spatial distribution model and a risk assessment to identify areas of cetacean interaction with fisheries in the northeast Atlantic. *Ocean and Coastal Management*. 136: 148–155. <https://doi.org/10.1016/j.ocecoaman.2016.12.001>

Bundy, A., Chuenpagdee, R., Boldt, J. L., de Fatima Borges, M., Camara, M. L., Coll, M., Diallo, I., Fox, C., Fulton, E. A., Gazihan, A., Jarre, A., Jouffre, D., Kleisner, K. M., Knight, B., Link, J., Matiku, P. P., Masski, H., Moutopoulos, D. K., Piroddi, C., Shin, Y. J. 2017. Strong fisheries management and governance positively impact ecosystem status. *Fish and Fisheries*. 18 (3): 412–439. <https://doi.org/10.1111/faf.12184>

Carrassón, M., Soler-Membrives, A., Constenla, M., Escobar, C., Flos, R., Gil, J. M., Luzón, V., Piferrer, F., & Reig, L. 2021. Information impact on consumers' perceptions towards aquaculture: Dismantling the myth about feeds for farmed fish. *Aquaculture*. 544: 737137. <https://doi.org/10.1016/j.aquaculture.2021.737137>

CBD. 2018. Decision adopted by the conference of the parties to the convention on biological diversity. Conference of the Parties to the Convention on Biological Diversity. Fourteenth Meeting. Sharm El-Sheikh. Egypt. 17-29 November 2018. November: 1–19. <https://www.cbd.int/doc/decisions/cop-14/cop-14-dec-08-en.pdf>

Chelotti, L. de D., & Santos, P. R. S. dos. 2020. Biodiversity and conservation of marine elasmobranchs in the extreme south of the Brazil Southwestern Atlantic. *Regional Studies in Marine Science*. 38: 101371. <https://doi.org/10.1016/j.rsma.2020.101371>

Chumchuen, W., Matsuoka, T., Anraku, K., & Arnupapboon, S. 2016. Size-selective catch in tropical tuna purse seine fishery in the Eastern Indian Ocean: assessment on new selectivity model for purse seine net. *Fisheries Science*. 82 (3): 391–404.



<https://doi.org/10.1007/s12562-016-0977-9>

CITES. 2019. Convention on international trade in endangered species of wild fauna and flora appendices I, II and III. In CITES: 49. <https://www.cites.org/eng/app/appendices.php>

CITES. 2020. The CITES Appendices. In convention on international trade in endangered species of wild fauna and flora: 1. <https://www.cites.org/eng/app/index.php>

Cohen, L., Manion, L., & Morrison, K. 2018. Research methods in education (8th ed.). Routledge. <http://taylorandfrancis.com>

Coro, G., Large, S., Magliozi, C., & Pagano, P. 2016. Analysing and forecasting fisheries time series: purse seine in Indian Ocean as a case study. ICES Journal of Marine Science. 73 (10): 2552–2571. <https://doi.org/10.1093/icesjms/fsw131>

Couturier, L. I. E., Marshall, A. D., Jaine, F. R. A., Kashiwagi, T., Pierce, S. J., Townsend, K. A., Weeks, S. J., Bennett, M. B., & Richardson, A. J. 2012. Biology, ecology and conservation of the mobulidae. Journal of Fish Biology. 80 (5): 1075–1119. <https://doi.org/10.1111/j.1095-8649.2012.03264.x>

Croll, D. A., Dewar, H., Dulvy, N. K., Fernando, D., Francis, M. P., Galván-Magaña, F., Hall, M., Heinrichs, S., Marshall, A., McCauley, D., Newton, K. M., Notarbartolo-Di-Sciara, G., O'Malley, M., O'Sullivan, J., Poortvliet, M., Roman, M., Stevens, G., Tershy, B. R., & White, W. T. 2015. Vulnerabilities and fisheries impacts: the uncertain future of manta and devil rays. Aquatic Conservation: Marine and Freshwater Ecosystems. 26 (3): 562–575. <https://doi.org/10.1002/aqc.2591>

Davidson, L. N. K., Krawchuk, M. A., & Dulvy, N. K. 2015. Why have global shark and ray landings declined: Improved management or overfishing? Fish and Fisheries. 17 (2): 438–458. <https://doi.org/10.1111/faf.12119>

De Boer, M. N., Saulino, J. T., Lewis, T. P., & Sciara, G. N. di. 2015. New records of whale shark (*Rhincodon typus*), giant manta ray (*Manta birostris*) and Chilean devil ray (*Mobula tarapacana*) for Suriname. Marine Biodiversity Records. 8 (February): 1–8. <https://doi.org/10.1017/S1755267214001432>

Deakos, M. H., Baker, J. D., & Bejder, L. 2011. Characteristics of a manta ray *Manta alfredi* population off Maui, Hawaii, and implications for management. Marine Ecology Progress Series. 429 (May 2014): 245–260. <https://doi.org/10.3354/meps09085>

Dermawan, A., Lubis, S. B., Suraji, Rasyid, N., Ashari, M., Kuhaja, T., Sofiullah, A., Saefudin, M., Setianingrum, A., Handadari, K., Widiasutik, R., & Wulandari, D. R. 2014. Status pengelolaan efektif kawasan konservasi perairan, pesisir dan pulau-pulau kecil di Indonesia (Issue 16). Kementerian Kelautan dan Perikanan Republik Indonesia. <http://kkji.kp3k.kkp.go.id>



Dhardiri, H., Yulianti, S., Zikra, A. 2022. Pemetaan potensi dan komoditas lokal unggulan perikanan laut kabupaten/kota di Provinsi Nusa Tenggara Timur Tahun 2016. *Jurnal Sosial Ekonomi Pesisir*. 3 (1): 10–15. <http://www.sep.ejournal.unri.ac.id>

di Sciara, G. N., Fernando, D., Adnet, S., Cappetta, H., & Jabado, R. W. 2016. Devil rays (Chondrichthyes: Mobula) of the Arabian Seas, with a redescription of *Mobula kuhlii* (Valenciennes in Müller and Henle, 1841). *Aquatic Conservation Marine and Freshwater Ecosystems*. 27 (1): 197–218. <https://doi.org/10.1002/aqc.2635>

Direktorat Jenderal Pengelolaan Ruang Laut. 2018. Pencadangan kawasan konservasi. <https://kkp.go.id/bpsplpadang/artikel/5922-pencadangan-kawasan-konservasi>

Direktorat Jenderal Penguatan Daya Saing Produk Kelautan dan Perikanan. 2018. Potensi usaha dan peluang investasi kelautan dan perikanan Provinsi Nusa Tenggara Timur. In Kementerian Kelautan dan Perikanan. https://kkp.go.id/component/media/upload-gambar-pendukung/A_PDS/Potensi%20Usaha%20dan%20Investasi/NTT.pdf

Direktorat Jenderal Perikanan Tangkap. 2016. Laporan kinerja perikanan tangkap tahun 2016

Direktorat Konservasi dan Keanekaragaman Hayati Laut. 2018. Direktorat konservasi dan keanekaragaman hayati laut direktorat jenderal pengelolaan ruang laut. <https://kkp.go.id/djprl/kkhl/artikel/3302-kkp-tetapkan-pari-manta-sebagai-ikan-yang-dilindungi>

Dollu, E. A., Tell, Y. Y., & Bolang, F. B. 2021. Analisis kelayakan usaha perikanan tangkap mini purse seine (pukat cincin) di Perairan Kokar Kecamatan Alor Barat Laut, Kabupaten Alor, Provinsi Nusa Tenggara Timur. *Akuatika Indonesia*. 6 (1): 01. <https://doi.org/10.24198/jaki.v6i1.29394>

Dowling, N. A., Dichmont, C. M., Venables, W., Smith, A. D. M., Smith, D. C., Power, D., & Galeano, D. 2013. From low- to high-value fisheries: Is it possible to quantify the trade-off between management cost, Risk and catch? *Marine Policy*. 40 (1): 41–52. <https://doi.org/10.1016/j.marpol.2012.12.009>

Dulvy, N. K., Pardo, S. A., Simpfendorfer, C. A., & Carlson, J. K. 2014. Diagnosing the dangerous demography of manta rays using life history theory. *PeerJ*. 2014: (1). <https://doi.org/10.7717/peerj.400>

Ekerhovd, N. A., & Gordon, D. V. 2020. Profitability, capacity and productivity trends in an evolving rights based fishery: the norwegian purse seine fishery. *Environmental and Resource Economics*. 77 (3): 565–591. <https://doi.org/10.1007/s10640-020-00508-y>

Eriksson, B., Johansson, F., & Blicharska, M. 2019. Socio-economic impacts of marine conservation efforts in three Indonesian fishing communities. *Marine Policy*. 103 (February): 59–67. <https://doi.org/10.1016/j.marpol.2019.02.007>



- Ernawati, P. 2017. Analisis tingkat konsumsi ikan pada masyarakat kawasan minapolitan Kecamatan Wajak, Kabupaten Malang, Jawa Timur. Skripsi. Fakultas Perikanan dan Ilmu Kelautan Universitas Brawijaya.
- Escalle, L., Pennino, M. G., Gaertner, D., Chavance, P., Delgado de Molina, A., Demarcq, H., Romanov, E., & Merigot, B. 2016. Environmental factors and megafauna spatio-temporal co-occurrence with purse-seine fisheries. *Fisheries Oceanography*. 25 (4): 433–447. <https://doi.org/10.1111/fog.12163>
- Fauzy, A. 2010. Ekonomi perikanan teori, kebijakan, dan pengelolaan. Kompas Gramedia. Jakarta.
- Falaleeva, M., Gray, S., O'Mahony, C., & Gault, J. 2013. Coastal climate adaptation in Ireland: Assessing current conditions and enhancing the capacity for climate resilience in local coastal management. In Climate Change Research Programme (CCRP) 2007-2013 (Issue 28)
- Fanindi, D. I., Sondakh, M. F. L., & Rori, Y. P. I. 2018. Analisis keuntungan usaha pia melati di Kelurahan Mariyai Kabupaten Sorong Papua Barat. *Agri-SosioEkonomi Unsrat*. 14 (3): 273. <https://doi.org/10.35791/agrsossek.14.3.2018.22314>
- Francis, M. P., & Jones, E. G. 2017. Movement, depth distribution and survival of spinetail devil rays (*Mobula japonica*) tagged and released from purse-seine catches in New Zealand. *Aquatic Conservation: Marine and Freshwater Ecosystems*. 27 (1): 219–236. <https://doi.org/10.1002/aqc.2641>
- Fredenslund, T. 2022. Identifying overexploitation in the coastal Greenland halibut fishery in the Disko Bay using static bioeconomic modelling. *Fisheries Research*. 254 (July): 106417. <https://doi.org/10.1016/j.fishres.2022.106417>
- Friedman, K., Gabriel, S., Abe, O., Adnan Nuruddin, A., Ali, A., Bidin Raja Hassan, R., Cadrin, S. X., Cornish, A., De Meulenaer, T., Dharmadi, Fahmi, Huu Tuan Anh, L., Kachelriess, D., Kissol, L., Krajangdara, T., Rahman Wahab, A., Tanoue, W., Tharith, C., Torres, F., Ye, Y. 2018. Examining the impact of CITES listing of sharks and rays in Southeast Asian fisheries. *Fish and Fisheries*. 19 (4): 662–676. <https://doi.org/10.1111/faf.12281>
- Fuada, N., Muljati, S., & Triwinarto, A. 2019. Sumbangan ikan laut terhadap kecukupan konsumsi protein penduduk Indonesia. *Penelitian Gizi dan Makanan (The Journal of Nutrition and Food Research)*. 41 (2): 77–88. <https://doi.org/10.22435/pgm.v41i2.1889>
- Furlong-estrada, E., Galván-magaña, F., & Tovar-ávila, J. 2017. Use of the productivity and susceptibility analysis and a rapid management- risk assessment to evaluate the vulnerability of sharks caught off the west coast of Baja California Sur Mexico. *Fisheries Research*. 194: 197–208. <https://doi.org/10.1016/j.fishres.2017.06.008>
- Gallopin, G. 2003. Sostenibilidad y desarrollo sostenible: un enfoque sistemico. Cepal-Naciones Unidas



- Germanov, E. S., & Marshall, A. D. 2014. Running the gauntlet: regional movement patterns of *Manta alfredi* through a complex of parks and fisheries. *PLoS ONE*. 9 (10): 1–9. <https://doi.org/10.1371/journal.pone.0110071>
- Ghorbanian, E., & Zibaei, M. 2019. Assessment of sustainability indicators for Iranian fisheries management (case study of Persian Gulf). *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-019-00561-8>
- Ghozali, I. 2016. Aplikasi analisis multivariante dengan program IBM SPSS 23. Edisi Semarang: Badan Penerbit universitas Diponegoro.
- Gianelli, I., Horta, S., Martínez, G., de la Rosa, A., & Defeo, O. 2018. Operationalizing an ecosystem approach to small-scale fisheries in developing countries: The case of Uruguay. *Marine Policy*. 95(March): 180–188. <https://doi.org/10.1016/j.marpol.2018.03.020>
- Giordano, R., & Vurro, M. 2010. Fuzzy cognitive map to support conflict analysis in drought management. In M. Glykas (Ed.), *Fuzzy Cognitive Maps: Advances in Theory, Methodologies, Tools, and Applications*. 1 (247): 410. Springer Berlin, Heidelberg. <https://doi.org/10.1007/978-3-642-03220-2>
- Gissi, E., Maes, F., Kyriazi, Z., Ruiz-Frau, A., Santos, C. F., Neumann, B., Quintela, A., Alves, F. L., Borg, S., Chen, W., da Luz Fernandes, M., Hadjimichael, M., Manea, E., Marques, M., Platjouw, F. M., Portman, M. E., Sousa, L. P., Bolognini, L., Flannery, W., Grati, F., Pita, C., Nataša, V., Stojanov, R., van Tatenhove, J., Micheli, F., Hornidge, A. K., Unger, S. 2022. Contributions of marine area-based management tools to the UN sustainable development goals. *Journal of Cleaner Production*. 330(October 2021). <https://doi.org/10.1016/j.jclepro.2021.129910>
- Glaus, K. B. J., Adrian-Kalchhauser, I., Piovano, S., Appleyard, S. A., Brunnenschweiler, J. M., & Rico, C. 2019. Fishing for profit or food? Socio-economic drivers and fishers' attitudes towards sharks in Fiji. *Marine Policy*. 100 (November 2018): 249–257. <https://doi.org/10.1016/j.marpol.2018.11.037>
- Gomez, G., Farquhar, S., & Bell, H. 2020. The IUU nature of FAOs: implications for tuna management and markets
- Gray, S. A., Cox, L. J., & Henly-Shepard, S. 2013. Mental modeler: a fuzzy-logic cognitive mapping modeling tool for adaptive environmental management. *Proceedings of the Annual Hawaii International Conference on System Sciences*. January: 965–973. <https://doi.org/10.1109/HICSS.2013.399>
- Gray, S. A., Ives, M. C., Scandol, J. P., & Jordan, R. C. 2010. Categorising the risks in fisheries management. *Fisheries Management and Ecology*. 17 (6): 501–512. <https://doi.org/10.1111/j.1365-2400.2010.00749.x>
- Gray, S. A., Zanre, E., & Gray, S. R. J. 2014. Fuzzy cognitive maps as representations of mental models and group beliefs. In *Intelligent Systems Reference Library*. 54:



29–48. Springer-Verlag Berlin Heidelberg 2014. https://doi.org/10.1007/978-3-642-39739-4_2

Gray, S., Chan, A., Clark, D., & Jordan, R. 2012. Modeling the integration of stakeholder knowledge in social-ecological decision-making: Benefits and limitations to knowledge diversity. *Ecological Modelling.* 229: 88–96. <https://doi.org/10.1016/j.ecolmodel.2011.09.011>

Gray, S. R. J., Gagnon, A. S., Gray, S. A., O'Dwyer, B., O'Mahony, C., Muir, D., Devoy, R. J. N., Falaleeva, M., & Gault, J. 2014. Are coastal managers detecting the problem? assessing stakeholder perception of climate vulnerability using Fuzzy Cognitive Mapping. *Ocean and Coastal Management.* 94: 74–89. <https://doi.org/10.1016/j.ocecoaman.2013.11.008>

Halbrendt, J., Gray, S. A., Crow, S., Radovich, T., Kimura, A. H., & Tamang, B. B. 2014. Differences in farmer and expert beliefs and the perceived impacts of conservation agriculture. *Global Environmental Change.* 28(1): 50–62. <https://doi.org/10.1016/j.gloenvcha.2014.05.001>

Hamidah, S., Sartono, A., & Kusuma, H. S. 2017. Perbedaan pola konsumsi bahan makanan sumber protein di daerah pantai, dataran rendah dan dataran tinggi. *J. Gizi.* 6 (1): 21–28. <https://jurnal.unimus.ac.id/index.php/jgizi/article/view/2700>

Harahab, N., Semedi, B., Puspitawati, D., & Kusumaningrum, A. 2021. Pengelolaan sumber daya perikanan tangkap untuk mencapai keberlanjutan. UB Press. <http://www.ubpress.ub.ac.id>

Harlyan, L. I., Matsuishi, T. F., & Md Saleh, M. F. 2021. Feasibility of a single-species quota system for management of the Malaysian multispecies purse-seine fishery. *Fisheries Management and Ecology.* 28 (2): 126–137. <https://doi.org/10.1111/fme.12470>

Hays, G. C., Ferreira, L. C., Sequeira, A. M. M., Meekan, M. G., Duante, C. M., Bailey, H., Bailleul, F., Bowen, W. D., Caley, M. J., Costa, D. P., Eguiluz, V. M., Fossette, S., Friedlaender, A. S., Gales, N., Gleiss, A. C., Gunn, J., Harcourt, R., Hazen, E. L., Heithaus, M. R., Heupel, M., Holland, K., Horning, M., Jonsen, I., Kooyman, G. L., Lowe, C. G., Madsen, P. T., Marsh, H., Phillips, R. A., Righton, D., Ropert-Coudert, Y., Sato, K., Shaffer, S. A., Simpfendorfer, C. A., Sims, D. W., Skomal, G., Takahashi, A., Trathan, P. N., Wikelski, M., Womble, J. N., Thums, M. 2016. Key questions in marine megafauna movement ecology. *Trends in Ecology and Evolution.* June (6): 463–475. <https://doi.org/10.1016/j.tree.2016.02.015>

Hernawati, D., Amin, M., Irawati, M. H., Indriwati, S. E., Chaidir, D. M., & Meylani, V. 2018. Potensi, produksi, dan rekomendasi pengelolaan ikan hiu dan pari di wilayah pangandaran-Jawa Barat. Prosiding Simposium Nasional Hiu Pari Indonesia Ke-2 Tahun 2018.March:285–91.<https://www.researchgate.net/publication/332035162%>

Ichsan, M., Iriana, D., & Awaluddin, M. Y. 2013. Pengaruh fase bulan dan pasang surut terhadap kemunculan pari manta (*Manta alfredi*) di Perairan Karang Makassar,



taman nasional komodo Nusa Tenggara Timur. *Depik Jurnal*. 2 (2): 87–91.
<https://doi.org/10.13170/depik.2.2.749>

Ilham, & Marasabessy, I. 2021. Identifikasi jenis dan status konservasi ikan pari yang diperdagangkan keluar kota Sorong pada loka pengelolaan sumber daya pesisir dan Laut Sorong. *Jurnal Riset Perikanan dan Kelautan*. 3(1): 290–302.
<https://ejournal.um-sorong.ac.id/index.php/jrpk/article/view/1273/697>

Irnawati, R., Supadminingsih, F. N., Surilayani, D., Nurdin, H. S., Susanto, A., & Hamzah, A. 2021. Financial analysis of the purse seine fisheries business in panimbang fishing port. *IOP Conference Series: Earth and Environmental Science*. 695 (1).
<https://doi.org/10.1088/1755-1315/695/1/012032>

Jaiteh, V. F., Lindfield, S. J., Mangubhai, S., Warren, C., Fitzpatrick, B., & Loneragan, N. R. 2016. Higher abundance of marine predators and changes in fishers' behavior following spatial protection within the world's biggest shark fishery. *Frontiers in Marine Science*. 3 (April): 1–15. <https://doi.org/10.3389/fmars.2016.00043>

Jolanda Rahabeat, Kimberly O. Londah, Albert Ch Nanlohy, W. W. 2019. Analisis finansial usaha perikanan pukat cincin di Dusun Seri, Kota Ambon. Prosiding Seminar Nasional Kelautan dan Perikanan 2019 Fakultas Perikanan dan Ilmu Kelautan Unpatti 2005: 18–19. <https://doi.org/10.30598/semnaskp-34>

Jones, N. A., Ross, H., Lynam, T., Perez, P., & Leitch, A. 2011. Mental models: An interdisciplinary synthesis of theory and methods. *Ecology and Society*, 16(1).
<https://doi.org/10.5751/ES-03802-160146>

Kabupaten Ngada. 2020. Alat penangkapan ikan. <https://ngada.org/menkp6kep-2010.htm>

Kaczan, D. J., & Patil, P. G. 2020. Potential development contribution of fisheries reform: evidence from Pakistan. *Journal of Environment and Development*. 29 (3): 275–305.
<https://doi.org/10.1177/1070496520925878>

Kementerian Kelautan dan Perikanan. 2020. Data kawasan konservasi Kabupaten Lembata. In *Konservasi dan Keanekaragaman Hayati Laut*. <http://kkji.kp3k.kkp.go.id/index.php/basisdata-kawasan-konservasi/details/1/80>

Kementerian PPN/Bappenas Direktorat Kelautan dan Perikanan 2014. 2014. Kajian strategi pengelolaan perikanan berkelanjutan. In Kementerian PPN/Bappenas Direktorat Kelautan dan Perikanan

Kementerian Sekretariat Negara Republik Indonesia. 2016. Undang-Undang RI Nomor 7 Tahun 2016 tentang perlindungan dan pemberdayaan nelayan, pembudi daya ikan dan petambak garam

Kementerian Sekretariat Negara Republik Indonesia. 2023. Peraturan pemerintah Republik Indonesia Nomor 11 Tahun 2023



Kepmen KPRI Nomor 4/KEPMEN-KP/2014. 2014. Keputusan menteri kelautan dan perikanan Republik Indonesia Nomor 4/KEPMEN-KP/2014 tentang penetapan status perlindungan penuh ikan pari manta

KKP. 2022. Keputusan Menteri Kelautan dan Perikanan Republik Indonesia Nomor 19 tahun 2022 tentang estimasi potensi sumber daya ikan, jumlah tangkapan yang diperbolehkan, dan tingkat pemanfaatan sumber daya ikan di Wilayah Pengelolaan Perikanan Negara Republik Indonesia. In Keputusan Menteri Kelautan dan Perikanan Republik Indonesia (Issue 3). <https://jdih.kkp.go.id/peraturan/df947-2022kepmen-kp19.pdf>

Kasmir & Jakfar. 2012. Studi Kelayakan Bisnis. Cetakan ke Delapan. Jakarta: Kencana.

Lawson, J. M., Fordham, S. V., O'Malley, M. P., Davidson, L. N. K., Walls, R. H. L., Heupel, M. R., Stevens, G., Fernando, D., Budziak, A., Simpfendorfer, C. A., Ender, I., Francis, M. P., di Sciara, G. N., & Dulvy, N. K. 2017. Sympathy for the devil: A conservation strategy for devil and manta rays. PeerJ. 2017 (3): 1–30. <https://doi.org/10.7717/peerj.3027>

Leavy, P. 2017. Research Design: Quantitative, Qualitative, Mixed Methods, arts-Based, and Community-Based Participatory Research Approaches (P. Leavy (Ed.). The Guilford Press. www.guilford.com

Lewis, S., Setiasih, N., O'Malley, M., Campbell, S., Yusuf, M., & Sianipar, A. 2015. Assessing Indonesian manta and devil ray populations through historical landings and fishing community interviews. Peer J. J. <https://doi.org/10.7287/peerj.preprints.1334v1>

Limbong, I. 2019. Produktivitas alat tangkap pukat cincin di pelabuhan perikanan nusantara sibolga Provinsi Sumatera Utara. Perikanan dan Kelautan. 24 (2): 78–83. <https://media.neliti.com/media/publications/297801-the-productivity-of-purse-seine-in-pelab-a219340b.pdf>

Listiani, A., Wijayanto, D., & Jayanto, B. B. 2017. Analisis cpue (catch per unit effort) dan tingkat pemanfaatan sumber daya perikanan lemuru (*Sardinella lemuru*) di perairan Selat Bali. Jurnal Perikanan Tangkap: Indonesia Journal of Capture Fisheries. 1 (01): 1–9. <https://ejournal2.undip.ac.id/index.php/juperta/article/view/1844>

López de la Lama, R., De la Puente, S., & Riveros, J. C. 2018. Attitudes and misconceptions towards sharks and shark meat consumption along the Peruvian coast. PLoS ONE. 13 (8): 1–17. <https://doi.org/10.1371/journal.pone.0202971>

Manta Trust. 2020a. Bentfin devil ray (Mobula thurstoni). <https://www.mantatrust.org/mobula-thurstoni>

Manta Trust. 2020b. Sicklefin devil ray (Mobula tarapacana). <https://www.mantatrust.org/mobula-tarapacana>

Mardhiah, U., Booth, H., Simeon, B. M., Muttaqin, E., Ichsan, M., Dharmadi, Fahmi, Prasetyo, A. P., & Yulianto, I. 2019. Quantifying vulnerability of sharks and rays



species in Indonesia: is biological knowledge sufficient enough for the assessment? IOP Conference Series: Earth and Environmental Science. 278 (012043): 0–9. <https://doi.org/10.1088/1755-1315/278/1/012043>

Margulies, J. D., Wong, R. W. Y., & Duffy, R. 2019. The imaginary ‘Asian Super Consumer’: A critique of demand reduction campaigns for the illegal wildlife trade. Geoforum.107(September):216–19.<https://doi.org/10.1016/j.geoforum.2019.10.005>

Mayu, D. H., Kurniawan, & Febrianto, A. 2018. Analisis potensi dan tingkat pemanfaatan sumber daya ikan di perairan Kabupaten Bangka Selatan. Perikanan Tangkap. Maret (1): 30–41. <https://ejournal2.undip.ac.id/index.php/juperta/article/view/2900>

McEachern, M. G., & Warnaby, G. 2008. Exploring the relationship between consumer knowledge and purchase behaviour of value-based labels. International Journal of Consumer Studies. 32 (5): 414–426. <https://doi.org/10.1111/j.1470-6431.2008.00712.x>

Mejía-Falla, P. A., Castro, E. R., Ballesteros, C. A., Bent-Hooker, H., Caldas, J. P., Rojas, A., & Navia, A. F. 2019. Effect of a precautionary management measure on the vulnerability and ecological risk of elasmobranchs captured as target fisheries. Regional Studies in Marine Science. 31: 100779. <https://doi.org/10.1016/j.rsma.2019.100779>

Menteri Kelautan dan Perikanan Republik Indonesia. 2021. Peraturan menteri kelautan dan perikanan Republik Indonesia nomor 18 tTahun 2021 tentang penempatan alat penangkapan ikan dan alat bantu penangkapan ikan di wilayah pengelolaan perikanan negara Republik Indonesia & laut lepas serta penataan andon penangkap. <https://kkp.go.id/djpt/artikel/32194-peraturan-menteri-kelautan-dan-perikanan-nomor-18-tahun-2021>

Menteri Kelautan dan Perikanan RI. 2023. Peraturan menteri kelautan dan perikanan no 28 tahun 2023 tentang peraturan pelaksanaan peraturan pemerintah nomor 11 tahun 2023 tentang penangkapan ikan terukur. Kementerian Kelautan dan Perikanan RI. <https://jdih.maritim.go.id/en/penangkapan-ikan-terukur>

Mizrahi, M., Duce, S., Pressey, R. L., Simpfendorfer, C. A., Weeks, R., & Diedrich, A. 2019. Global opportunities and challenges for Shark Large Marine Protected Areas. Biological Conservation. 234 (March): 107–115. <https://doi.org/10.1016/j.biocon.2019.03.026>

Muallil, R. N., Deocadez, M. R., Martinez, R. J. S., Campos, W. L., Mamaug, S. S., Nañola, C. L., & Aliño, P. M. 2019. Effectiveness of small locally-managed marine protected areas for coral reef fisheries management in the Philippines. Ocean and Coastal Management. 179 (104831): 1–7. <https://doi.org/10.1016/j.ocecoaman.2019.104831>

Muhammad Ghozaly Salim, Putra, M. I. H., & Davinto, E. R. 2019. Penilaian resiko bycatch pada perikanan gillnet skala-kecil: perikanan hiu dan pari mobula di Flores Timur. Simposium Hiu dan Pari di Indonesia Ke-2 Tahun 2018 Tema: Menuju



Pengelolaan Hiu dan Pari Secara Berkelanjutan Berbasis Ilmiah. 301–306. ejurnal-balitbang.kkp.go.id/index.php/prosidingprp

Mujiyanto, M., Riswanto, R., & Nastiti, A. S. 2017. Effectiveness of sub zone cetacean protection in marine protected areas savu sea national marine park, East Nusa Tenggara. Coastal and Ocean Journal. 1(2): 1–12. <http://coj.pksplipb.or.id/>

Mulyasari, G. 2019. Perubahan iklim, kemiskinan, dan kerentanan penghidupan nelayan perikanan tangkap di wilayah pesisir Jawa dan Sumatera. Universitas Gadjah Mada

Murungweni, C., van Wijk, M. T., Andersson, J. A., Smaling, E. M. A., & Giller, K. E. 2011. Application of fuzzy cognitive mapping in livelihood vulnerability analysis. Ecology and Society. 16(4). <https://doi.org/10.5751/ES-04393-160408>

Nielsen, J. R., Thunberg, E., Holland, D. S., Schmidt, J. O., Fulton, E. A., Bastardie, F., Punt, A. E., Allen, I., Bartelings, H., Bertignac, M., Bethke, E., Bossier, S., Buckworth, R., Carpenter, G., Christensen, A., Christensen, V., Da-Rocha, J. M., Deng, R., Dichmont, C., Doering, R., Esteban, A., Fernandes, J. A., Frost, H., Garcia, D., Gasche, L., Gascuel, D., Gourguet, S., Groeneveld, R. A., Guillén, J., Guyader, O., Hamon, K. G., Hoff, A., Horbowy, J., Hutton, T., Lehuta, S., Little, L. R., Lleonart, J., Macher, C., Mackinson, S., Mahevas, S., Marchal, P., Mat-Amboage, R., Mapstone, B., Maynou, F., Merzéraud, M., Palacz, A., Pascoe, S., Paulrud, A., Plaganyi, E., Prellezo, R., van Putten, E. I., Quaas, M., Ravn-Jonsen, L., Sanchez, S., Simons, S., Thébaud, O., Tomczak, M. T., Ulrich, C., van Dijk, D., Vermaerd, Y., Voss, R., Waldo, S. 2018. Integrated ecological-economic fisheries models—evaluation, review and challenges for implementation. Fish and Fisheries. 19(1): 1–29. <https://doi.org/10.1111/faf.12232>

Ningsih, R. S., Mudzakir, A. K., & Rosyid, A. 2013. Analisis kelayakan finansial usaha perikanan payang jabur (boat seine) di pelabuhan perikanan pantai asemdayong Kabupaten Pemalang. Journal of Fisheries Resources Utilization Management and Technology. 2(3): 223–232. <https://ejournal3.undip.ac.id/index.php/jfrumt/article/view/3852>

Noija, D., Martasuganda, S., Murdiyanto, B., Azbas Taurusman, A. 2014. Potential and utilization of water resources in the island demersal ambon Province Maluku. Jurnal Teknologi Perikanan dan Kelautan. 5(1): 55–64. <https://journal.ipb.ac.id/index.php/jtpk/article/view/10046/11639>

Novak, J. D. 2017. The theory underlying concept maps and how to construct them. 1:1. https://web.stanford.edu/dept/SUSE/projects/ireport/articles/concept_maps/The_Theory_Underlying_Concept_Maps.pdf

Nugraha, E., Koswari, B., & Yuniarti. 2012. Potensi lestari dan tingkat pemanfaatan ikan kurisi (nemipterus japonicus) di perairan Teluk Banten. Jurnal Perikanan dan Kelautan. 3(1): 91–98. <http://jurnal.unpad.ac.id/jpk/article/view/3535/2414>

Nurcahyo, H., Lazuardi, M. E., Derian, D., Welly, M., Wahyudi, Y., Purnawati, B. I., Nurhamdani, N., Sanjaya, W., Ridzky, I. E., Cahyaningtyas, I., & Petta, C. 2016. Pari



manta (manta spp.) di perairan kkp Nusa Penida dan taman nasional komodo. Balai Pengelolaan Sumberdaya Pesisir dan Laut (BPSPL) Denpasar Dirjen Pengelolaan Ruang Laut Kementerian Kelautan dan Perikanan. <http://www.djpri.kkp.go.id>

Nurhayati, A. 2013. Analisis potensi lestari perikanan tangkap di kawasan Pangandaran. *Jurnal Akuatika*. 4(2): 195–209. <https://jurnal.unpad.ac.id/akuatika/article/view/3143>

Nyaki, A., Gray, S. A., Lepczyk, C. A., Skibins, J. C., & Rentsch, D. 2014. Local-Scale dynamics and local drivers of bushmeat trade. *Conservation Biology*. 28 (5): 1403–1414. <https://doi.org/10.1111/cobi.12316>

O'Malley, M. P., Townsend, K. A., Hilton, P., Heinrichs, S., & Stewart, J. D. 2017. Characterization of the trade in manta and devil ray gill plates in China and Southeast Asia through trader surveys. *Aquatic Conservation: Marine and Freshwater Ecosystems*. 27 (2): 394–413. <https://doi.org/10.1002/aqc.2670>

Ooi, M. S. M., Townsend, K. A., Bennett, M. B., Richardson, A. J., Fernando, D., Villa, C. A., Gaus, C. 2015. Levels of arsenic, cadmium, lead and mercury in the branchial plate and muscle tissue of mobulid rays. *Marine Pollution Bulletin*. 94 (1-2): 251–259. <http://dx.doi.org/10.1016/j.marpolbul.2015.02.005>

Papageorgiou, E. I., & Salmeron, J. L. 2013. A review of fuzzy cognitive maps research during the last decade. *IEEE Transactions on Fuzzy Systems*. 21(1): 66–79. <https://doi.org/10.1109/TFUZZ.2012.2201727>

Papageorgiou, E., & Kontogianni, A. 2012. Using fuzzy cognitive mapping in environmental decision making and management: a methodological primer and an application. In S. S. Young & S. E. Silvern (Eds.), *International Perspectives on Global Environmental Change* (p. 437). Intech. <https://doi.org/10.5772/29375>

Pardo, S. A., Kindsvater, H. K., Cuevas-Zimbrón, E., Sosa-Nishizaki, O., Pérez-Jiménez, J. C., & Dulvy, N. K. 2016. Growth, productivity, and relative extinction risk of a data-sparse devil ray. *Scientific Reports*. 6: 1–10. <https://doi.org/10.1038/srep33745>

Parmanto. 2019. The sustainability status analysis of pari kembang (dasyatis kuhlii) related to cantrang fishing results with rapfish method in Lamongan of East Java, Indonesia. *Russian Journal of Agricultural and Socio-Economic Sciences*. 89 (5): 148–156. <https://doi.org/10.18551/rjoas.2019-05.18>

Pemerintah Daerah Provinsi Nusa Tenggara Timur. 2020. Peraturan Daerah Provinsi Nusa Tenggara Timur Nomor 7 Tahun 2020. <https://peraturan.bpk.go.id/Home/Details/168537/perda-prov-nusa-tenggara-timur-no-7-tahun-2020>

Perikanan. 2013. SK bupati Flores Timur nomor 4 tahun 2013. Direktorat Konservasi dan Keanekaragaman Hayati Laut Direktorat Jenderal Pengelolaan Ruang Laut. <http://kkji.kp3k.kkp.go.id/index.php/basisdata-kawasan-konservasi/details/1/145>



Permen KPRI Nomor 44/PERMEN-KP/2019. 2019. Permen KPRI No. 44/PERMEN-KP/2019 tentang perubahan atas peraturan menteri kelautan dan perikanan Nomor 61/PERMEN-KP/2018 tentang pemanfaatan jenis ikan yang dilindungi dan/atau jenis ikan yang tercantum dalam appendiks convention on international trade in endangered species of wild fauna and flora

Permen KPRI Nomor 61/PERMEN-KP/2018. 2018. Peraturan menteri kelautan dan perikanan Republik Indonesia nomor 61/PERMEN-KP/2018 tentang pemanfaatan jenis ikan yang dilindungi dan/atau jenis ikan yang tercantum dalam appendiks convention on international trade in endangered species of wild fauna and flora

Permen KPRI Nomor Per.12/Men/2012. 2012. Peraturan menteri kelautan dan perikanan Republik Indonesia Nomor Per.12/Men/2012 tentang usaha perikanan tangkap di laut lepas. <https://jdih.kkp.go.id/peraturan/per-12-men-2012-ttg-usaha-perikanan-tangkap-di-laut-lepas.pdf>

PPID IPB. 2022. Perkuliahannya pascasarjana IPB university: kenali upwelling, penyebab tingginya produktivitas perikanan di perairan Peru-Chile. <https://ppid.ipb.ac.id/perkuliahannya-pascasarjana-ikl-ipb-university-kenali-upwelling-penyebab-tingginya-produktivitas-perikanan-di-perairan-peru-chile/>

Prasetyo, A. B., Hapsari, T. D., & Setiyanto, I. 2016. Analisis kelayakan finansial usaha penangkapan ikan dengan kapal purse seine berpendingin freezer dibandingkan dengan es di pelabuhan perikanan pantai (ppp) Bajomulyo, Juwana, Kabupaten Pati. Jurnal PENA Akuatika. 14(1): 36–58

Prescott, J., Riwu, J., Stacey, N., & Prasetyo, A. 2016. An unlikely partnership: fishers' participation in a small-scale fishery data collection program in the Timor Sea. Reviews in Fish Biology and Fisheries. 26 (4): 679–692. <https://doi.org/10.1007/s11160-015-9417-7>

Prihandoko, P., Jahi, A., Gani, D. S., Purnaba, I. G. P., Adrianto, L., & Tjitradjaja, I. 2011. Faktor-faktor yang mempengaruhi perilaku nelayan artisanal dalam pemanfaatan sumberdaya perikanan di pantai utara Provinsi Jawa Barat. Makara Human Behavior Studies in Asia. 15 (2): 117. <https://doi.org/10.7454/mssh.v15i2.1418>

Primayastanto. 2011. Feasibility Study Usaha Perikanan (Sebagai Aplikasi dari Teori Studi Kelayakan Usaha Perikanan). Universitas Brawijaya Press. Malang.

Pujianto, Herry, B., & Dian, W. 2013. Analisis kelayakan usaha aspek finansial penangkapan mini purse seine dengan ukuran jaring yang berbeda di ppi ujungbatu Kabupaten Jepara. Fakultas Perikanan dan Ilmu Kelautan Universitas Diponegoro. 2(2): 124–133. <http://www.ejournal-s1.undip.ac.id/index.php/jfrumt>

Putra, M. I. H. 2017. Megafauna laut di perairan Solor, Flores Timur - Indonesia 2016-2017 (12). <https://www.misoolfoundation.org/savu-sea-alliance%0AEmpowering>

Putra, M. I. H., Sembiring, A., Pertiwi, N. P. D., & Malik, M. D. Al. 2019. Laporan teknis studi populasi dan spasial ekologi pari manta di Laut Sawu (May).



<https://doi.org/10.13140/RG.2.2.18204.03206>

Putranto, Y., & Patanda, A. P. S. M. 2023. Pengaruh faktor usia, pendidikan, jumlah anggota keluarga terhadap pendapatan nelayan tradisional Kabupaten Cilacap (Studi Kasus: TPI Lengkong dan TPI Menganti Kisik Cilacap) Influence. Albacore. 7(1): 23–35. <https://journal.ipb.ac.id>

Queiroz, N., Humphries, N. E., Couto, A., Vedor, M., da Costa, I., Sequeira, A. M. M., Mucientes, G., Santos, A. M., Abascal, F. J., Abercrombie, D. L., Abrantes, K., Acuña-Marrero, D., Afonso, A. S., Afonso, P., Anders, D., Araujo, G., Arauz, R., Bach, P., Barnett, A., Bernal, D., Berumen, M. L., Bessudo L. S., Bezerra, N. P. A., Blaison, A. V., Block, B. A., Bond, M. E., Bonfil, R., Bradford, R. W., Braun, C. D., Brooks, E. J., Brooks, A., Brown, J., Bruce, B. D., Byrne, M. E., Campana, S. E., Carlisle, A. B., Chapman, D. D., Chapple, T. K., Chisholm, J., Clarke, C. R., Clua, E. G., Cochran, J. E. M., Crochelet, E. C., Dagorn, L., Daly, R., Cortés, D. D., Doyle, Thomas K., Drew, M., Duffy, C. A.J., Erikson, T., Espinoza, E., Ferreira, L. C., Ferretti, F., Filmalter, J. D., Fischer, G. C., Fitzpatrick, R., Fontes, J., Forget, F., Fowler, M., Francis, M. P., Gallagher, A. J., Gennari, E., Goldsworthy, S. D., Gollock, Matthew J., Green, J. R., Gustafson, J. A., Guttridge, T. L., Guzman, H. M., Hammerschlag, N., Harman, L., Hazin, F. H.V., Heard, M., Hearn, A. R., Holdsworth, J. C., Holmes, B. J., Howey, L. A., Hoyos, M., Hueter, R. E., Hussey, N. E., Huvaneers, C., Irion, D. T., Jacoby, D. M. P., Jewell, O. J. D., Johnson, R., Jordan, L. K. B., Jorgensen, S. J., Joyce, W., Keating D. C. A., Ketchum, J. T., Klimley, A. P., Kock, A. A., Koen, P., Ladino, F., Lana, F. O., Lea, J. S. E., Llewellyn, F., Lyon, W. S., MacDonnell, A., Macena, B. C. L., Marshall, H., McAllister, J. D., McAuley, R., Meijer, M. A., Morris, J. J., Nelson, E. R., Papastamatiou, Y. P., Patterson, T. A., Peñaherrera-Palma, C., Pepperell, J. G., Pierce, S. J., Poisson, F., Quintero, L. M., Richardson, A. J., Rogers, P. J., Rohner, C. A., Rowat, D. R. L., Samoilys, M., Semmens, J. M., Sheaves, M., Shillinger, G., Shivji, M., Singh, S., Skomal, G. B., Smale, M. J., Snyders, L. B., Soler, G., Soria, M., Stehfest, K. M., Stevens, J. D., Thorrold, S. R., Tolotti, M. T., Towner, A., Travassos, P., Tyminski, J. P., Vandeperre, F., Vaudo, J. J., Watanabe, Y. Y., Weber, S. B., Wetherbee, B. M., White, T. D., Williams, S., Zárate, P. M., Harcourt, R., Hays, G. C., Meekan, M. G., Thums, M., Irigoien, X., Eguiluz, V. M., Duarte, C. M., Sousa, L. L., Simpson, S. J., Southall, E. J., Sims, D. 2019. Global spatial risk assessment of sharks under the footprint of fisheries. Nature. 572 (7770): 461–466. <https://doi.org/10.1038/s41586-019-1444-4>

Rahmasari, L. 2017. Pengaruh jarak tempuh melaut, lama bekerja dan teknologi terhadap pendapatan nelayan. Saintek Maritim. XVI (2): 163–174. <https://jurnal.unimar-amni.ac.id>

Rawis, J. E. O., Panelewen, V. V. J., & Mirah, A. D. 2016. Analisis keuntungan usaha kecil kuliner dalam upaya pengembangan umkm di kota Manado (studi kasus usaha katering miracle ranotana weru). Jurnal EMBA. 4 (2): 106–119. <https://ejournal.unsrat.ac.id/index.php/emba/article/view/12527>

Respati, A. R. 2022. Punya potensi ekonomi tinggi, KKP kendalikan perdagangan hiu dan pari.



- Restumurti, D., Bambang A. N., & Dewi D. A. N. N. 2016. Analisis pendapatan nelayan alat tangkap mini purse seine 9 GT dan 16 GT di pelabuhan perikanan pantai (PPP) Morodemak, Demak. *Journal of Fisheries Resources Utilization Management and Technology*. 5 (1): 78-86. <http://www.ejournal-s1.undip.ac.is/index.php/jfrumt>.
- Rice, J., Garcia, S., & Kaiser, M. 2018. Other effective area-based conservation measures (OEABCMs) used in marine fisheries (background information document for the cbd expert workshop on marine protected areas and other effective area based conservation measures for achieving aichi biodiversity target 11 in marine and coastal areas)
- Rimba Kita. 2019. Status konservasi – iucn red list & cites. <https://rimbakita.com/status-konservasi/>
- Robinson, J. P. W., Nash, K. L., Blanchard, J. L., Jacobsen, N. S., Maire, E., Graham, N. A. J., MacNeil, M. A., Zamborain-Mason, J., Allison, E. H., & Hicks, C. C. 2022. Managing fisheries for maximum nutrient yield. *Fish and Fisheries*. 23 (4): 800–811. <https://doi.org/10.1111/faf.12649>
- Rubio, C., Nadia, T., Oropeza, O. A., & Exequiel. 2016. Small-scale fisheries of lagoon estuarine complexes in Northwest, Mexico
- Ruggerio, C. A. 2021. Sustainability and sustainable development: A review of principles and definitions. *Science of the Total Environment*. 786: 147481. <https://doi.org/10.1016/j.scitotenv.2021.147481>
- Russi, D. 2020. Governance strategies for a successful marine protected area – The case of Torre Guaceto. *Marine Policy*. 115 (103849). <https://doi.org/10.1016/j.marpol.2020.103849>
- Sadili, D., Dharmadi, D., Fahmi, F., Sarmintohadi, S., Ramli, I., & Sudarsono, S. 2015. Rencana aksi nasional konservasi dan pengelolaan hiu dan pari 2016-2020. <https://kkp.go.id/an-component/media/upload-gambar-pendukung/KKHL/BUKU/RAN Konservasi hiu pari.pdf>
- Sadri., Tumion, F. F., Sudarso, J., & Muallim, R. 2021. Catch Per Unit Effort (CPUE) *Rhynchobatus* sp menggunakan gill net dasar di Wilayah Pengelolaan Perikanan 711 (WPP NRI 711) pada fishing base PPI Sungai Kakap Kalimantan Barat. *Manfish journal*. 1 (3): 133-142. <https://ejurnal.polnep.ac.id>
- Salwa, D. K. 2019. Teori konsumsi dalam islam dan implementasinya. *Labatila*. 3 (02) : 172-189. LABATILA: Jurnal Ilmu Ekonomi Islam - Volume 3 Nomor 2 (2019) <https://ejurnal.iainu-kebumen.ac.id/index.php/lab>
- Samhouri, J. F., Ramanujam, E., Bizzarro, J. J., Carter, H., Sayce, K., & Shen, S. 2019. An ecosystem-based risk assessment for California fisheries co-developed by scientists, managers, and stakeholders. *Biological Conservation*. 231(February 2018): 103–121. <https://doi.org/10.1016/j.biocon.2018.12.027>



Saputri, E. R. 2020. Pendataan pendaratan dan perdagangan ikan hiu dan pari di Kabupaten Manggarai Barat Periode September 2019 - Juni 2020 (September)

Satria, F., Sadiyah, L., Widodo, A. A., Wilcox, C., Ford, J. H., & Hardesty, B. D. 2017. Characterizing transhipment at-sea activities by longline and purse seine fisheries in response to recent policy changes in Indonesia. *Marine Policy*. 95(March): 8–13. <https://doi.org/10.1016/j.marpol.2018.06.010>

Sarwoko. 2005. Dasar-dasar ekonometrika. Edisi 1. Penerbit Andi. Yogyakarta. ISBN: 979-731-635-1

Satu Data KKP. 2021a. Data ekspor perikanan Indonesia. <https://statistik.kkp.go.id/home.php?m=eksim&i=211#panel-footer>

Satu Data KKP. 2021b. data produksi perikanan pari. <https://statistik.kkp.go.id/home.php?m=total&i=2#panel-footer>

Satu Data KKP. 2022. Produksi perikanan Provinsi NTT tahun 2016-2020. https://statistik.kkp.go.id/home.php?m=prod_ikan_prov&i=2#panel-footer

Seidu, I., Brobbey, L. K., Danquah, E., Oppong, S. K., van Beuningen, D., Seidu, M., & Dulvy, N. K. 2022. Fishing for survival: Importance of shark fisheries for the livelihoods of coastal communities in Western Ghana. *Fisheries Research*. 246 (October 2021): 106157. <https://doi.org/10.1016/j.fishres.2021.106157>

Schiller, L., & Bailey, M. 2021. Rapidly increasing eco-certification coverage transforming management of world's tuna fisheries. *Fish and Fisheries*. 22 (3): 592–604. <https://doi.org/10.1111/faf.12539>

Shi, Y., Han, H., Tang, F., Zhang, S., Fan, W., Zhang, H., & Wu, Z. 2023. Evaluation performance of three standardization models to estimate catch per unit effort: a case study on pacific sardine (*Sardinops sagax*) in the Northwest Pacific Ocean. *Fishes*. 8: 606. <https://doi.org/10.3390/fishes8120606>

Sibagariang, O. P., Fauziah, F., & Agustriani, F. 2011. Analisis potensi lestari sumberdaya perikanan tuna longline di Kabupaten Cilacap, Jawa Tengah. *Maspari Journal*. 03 (2011): 24-29. <https://media.neliti.com/media/publications/148899-ID-analisis-potensi-lestari-sumberdaya-peri.pdf>

Simanjuntak, M., & Kamlasi, Y. 2012. Sebaran horizontal zat hara di perairan Lamalera , Nusa Tenggara Timur. *Jurnal Ilmu Kelautan*. 17 (2): 99–108. <https://doi.org/https://doi.org/10.14710/ik.ijms.17.2.99-108>

Simbolon, D., Wirawan, B., Wahyuningrum, P., & Wahyudi, H. 2011. Tingkat pemanfaatan dan pola musim penangkapan ikan lemuru di perairan Selat Bali. *Buletin PSP*. 19 (3): 242654. https://www.researchgate.net/publication/344392385_tingkat_pemanfaatan_dan_pola_musim_penangkapan_ikan_lemuru_di_perairan_selat_bali/link/5f6b7c745851



5b7cf50e7da/download

- Sitorus, H. F., Bambang, A. N., & Jayanto, B. B. 2016. Analisis aspek teknis dan kelayakan usaha perikanan purse seine di tpi pelabuhan, Kota Tegal. *Journal of Fisheries Resources Utilization Management and Technology*. 7(1): 19–28
- Somayaji, G., & Coelho, J. P. 2017. Fissures of a blue revolution: the ramponkars' response to mechanised fishing in Goa. *Social Change*. 47(2): 200–213. <https://doi.org/10.1177/0049085717696392>
- Southeast Asian Fisheries Development Center. 2022. SEAFDEC fishery statistics. <http://map.seafdec.org/NewBulletin/totalproduction.php?py=2017>
- Spaet, J. L. Y., & Berumen, M. L. 2015. Fish market surveys indicate unsustainable elasmobranch fisheries in the Saudi Arabian Red Sea. *Fisheries Research*. 161: 356–364. <https://doi.org/10.1016/j.fishres.2014.08.022>
- Sriyanti, N., Muflikhati, I., & Fatchiya, A. 2006. Persepsi nelayan tentang pendidikan formal di Kecamatan Rembang, Kabupaten Rembang, Provinsi Jawa Tengah. *Buletin Ekonomi Perikanan*. VI (3): 40–49. <https://core.ac.uk>
- Sternberg, R. J. 2017. Intelligence and Competence in theory. In A. J. Elliot, C. S. Dweck, & D. S. Yeager (Eds.). *Handbook of competence and motivation: Theory and application* (2): 9–22. The Guilford Press. <http://ebookcentral.proquest.com/lib/brunelu/detail.action?docID=4837497%0Ahttp://search.ebscohost.com/login.aspx?direct=true&db=psyh&AN=2017-17591-001&site=ehost-live>
- Stevens, G., Fernando, D., Dando, M., & Sciara, G. N. di. 2019. An introduction to manta and devil rays. In *Guide to the Manta and Devil Rays of the World* : 12–13. Princeton University Press. <https://doi.org/10.2307/j.ctvs32s7t.9>
- Stewart, J. D., Hoyos-Padilla, E. M., Kumli, K. R., & Rubin, R. D. 2016. Deep-water feeding and behavioral plasticity in Manta birostris revealed by archival tags and submersible observations. *Zoology*. 119(5): 406–413. <https://doi.org/10.1016/j.zool.2016.05.010>
- Sukirno, S. 2016. Mikroekonomi: teori pengantar. PT Raja Grafindo Persada. <http://www.rajagrafindo.co.id>
- Suman, A., Irianto, H. E., Satria, F., & Amri, K. 2017. Potensi dan tingkat pemanfaatan sumber daya ikan di wilayah pengelolaan perikanan negara Republik Indonesia (WPP NRI) tahun 2015 serta opsi pengelolaannya. *Jurnal Kebijakan Perikanan Indonesia*. 8(2): 97. <https://doi.org/10.15578/jkpi.8.2.2016.97-100>
- Suman, A., Satria, F., Amri, K., Priatna, A., Mahiswara, Suwarsono, Zamroni, A., Taufik, M., Panggabean, A. S., Nurdin, E., Ernawati, T., Muklis, N., Tirtadanu, Chodrijah, U., & Budiarti, T. W. 2017. Potensi dan tingkat pemanfaatan sumberdaya ikan di wilayah pengelolaan perikanan negara Republik Indonesia (WPPNRI) Tahun 2016



(November). Graphika

- Sunarto, Paransa, I. J., & Luasunaung, A. 2017. Fluktuasi hasil tangkapan mini purse seine yang didaratkan di pelabuhan samudra bitung. *Jurnal Ilmu dan Teknologi Perikanan Tangkap*. 2(6): 231–235
- Sunyoto, D., & Wagiman. 2023. Memahami teori-teori yang membahas motivasi kerja (pertama). Eureka Media Aksara
- Teufer, B., & Grabner-Kräuter, S. 2023. How consumer networks contribute to sustainable mindful consumption and well-being. *Journal of Consumer Affairs*. April: 757–784. <https://doi.org/10.1111/joca.12536>
- Tiffany, A. E., Mudzakir A. K., & Wibowo B. A. 2020. Analisis tingkat konsumsi ikan laut dan faktor-faktor yang mempengaruhi pada masyarakat Semarang. *Journal of Fisheries Resources Utilization Management and Technology*. 9 (1): 25-34. <https://ejournal3.undip.ac.id/index.php/jfrumt/article/view/29361/24770>
- Thompson, S. K. 2012. Multistage Designs. In *Sampling* 3: 171–182. <https://doi.org/10.1002/9781118162934.ch13>
- Tolentino-Zondervan, F., & Zondervan, N. A. 2022. Sustainable fishery management trends in Philippine fisheries. *Ocean and Coastal Management*. 223 (November 2021): 106149. <https://doi.org/10.1016/j.ocecoaman.2022.106149>
- Torres, P., Tristão da Cunha, R., & Santos Rodrigues, A. dos. 2016. The elasmobranch fisheries of the Azores. *Marine Policy*. 73: 108–118. <https://doi.org/10.1016/j.marpol.2016.07.027>
- Umar, Husein. 2009. *Studi Kelayakan Bisnis*. PT Gramedia Pustaka Utama: Jakarta.
- Undang-Undang Republik Indonesia Nomor 23 Tahun 2014. 2014. <https://peraturan.bpk.go.id/Home/Details/38685/uu-no-23-tahun-2014>
- Utami, W. B. 2017. Analisa pengaruh motivasi kerja terhadap prestasi kerja dosen pada sekolah tinggi ilmu ekonomi. *Jurnal Ilmiah Ekonomi Islam*. 3(2): 125. <https://doi.org/10.29040/jiei.v3i2.106>
- Utomo, M. T., Djasmani, S. S., Saksono, H., & Suadi. 2013. Analisis usaha purse seine di kecamatan juwana Kabupaten Pati. *Journal of Fisheries Sciences*. 15(2): 91–100
- Wahyudin, I., Kamal, M. M., Fahrudin, A., & Boer, M. 2019. Analisis keberlanjutan perikanan elasmobranch di tanjung luar Kabupaten Lombok Timur. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*. 11(1): 103–116. <https://doi.org/10.29244/jitkt.v11i1.23412>
- Wainwright, B. J., Ip, Y. C. A., Neo, M. L., Chang, J. J. M., Gan, C. Z., Clark-Shen, N., Huang, D., & Rao, M. 2018. DNA barcoding of traded shark fins, meat and mobulid gill plates in Singapore uncovers numerous threatened species. *Conservation*



Genetics. 19(6): 1393–1399. <https://doi.org/10.1007/s10592-018-1108-1>

Wati R. P., Syapsan, S., & Aqualdo, N. 2014. Dampak kelebihan tangkap (overfishing) terhadap pendapatan nelayan di Kabupaten Rokan Hilir. JOM Fekon. 1 (2): 1-20. <https://media.neliti.com/media/publications/33697-ID-dampak-kelebihan-tangkap-overfishing-terhadap-pendapatan-nelayan-di-kabupaten-rokan-hilir.pdf>

Ward-Paige, C. A., Davis, B., & Worm, B. 2013. Global population trends and human use patterns of Manta and Mobula rays. PLoS ONE. 8(9). <https://doi.org/10.1371/journal.pone.0074835>

Wardono, S., Hehanusa, G., Pranoto, S., Haruna, H., & Aries, G. 2014. Pengaturan pemanfaatan dan peredaran ikan hiu dan pari di wilayah Pulau Sulawesi. Prosiding Seminar Nasional Biologi X FMIPA. Universitas Negeri Semarang.

Wiersma, W., & Stephen G. J. 2009. Research methods in education. Pearson Education.

Wiliawati, Y., Danial, D., & Muin F. 2022. Eksistensi UNCLOS 1982 dalam upaya penegakan hukum laut internasional di perairan negara pantai. Sultan Jurisprudence: Jurnal Riset Ilmu Hukum. 2 (2): 286-299. <https://jurnal.untirta.ac.id/index.php/jurisprudence/index>

Wismaningrum., Endah K., Ismail, & Fitri A. D. P. 2013. Analisis finansial usaha penangkapan one day fishing dengan alat tangkap multigear di Pelabuhan Perikanan Pantai (PPP) Tawang Kabupaten Kendal. Journal of Fisheries Resources Utilization Management and Technology. 2 (3): 263-372.

World Register of Marine Species. 2019. Worms taxon details (Mobula tarapacana). WoRMS. <http://www.marinespecies.org/aphia.php?p=taxdetails&id=105859>

World Wildlife Fund for Nature. 2019. Awasi kawasan konservasi, pemerintah provinsi NTT Bentuk 7 Kantor Cabang Dinas Kelautan dan Perikanan: (1). <https://www.wwf.id/publikasi/awasi-kawasan-konservasi-pemerintah-provinsi-ntt-bentuk-7-kantor-cabang-dinas-kelautan-dan-perikanan>

Yamaguchi, S., & Steenblik, R. 2018. International trade and the transition to a more resource efficient and circular economy – a concept paper. In OECD Trade and Environment Working Papers: Vol. 2018/03 (2017). www.oecd.org

Yang, L & Zhou, W. 2024. Feature Selection for Explaining Yellowfin Tuna Catch per Unit Effort Using Least Absolute Shrinkage and Selection Operator Regression. Fishes. 9: 204. <https://doi.org/103390/fishes9060204>

Yonvitner, Boer, M., & Ardelia, V. 2020. A multi-criteria approach and sustainability index as a consideration on torpedo scad fisheries management in Sunda Strait. Jurnal Ilmiah Perikanan dan Kelautan. 12 (1): 48–58. <https://doi.org/10.20473/jipk.v12i1.16360>



Yonvitner, Boer, M., & Kurnia, R. 2021. Spawning potential ratio (SPR) approach as a management measure of skipjack sustainability record from cilacap fishing port, Central Java, Indonesia. Jurnal Ilmiah Perikanan dan Kelautan. 13 (2): 79–87. <https://doi.org/10.20473/jipk.v13i2.24926>