DAFTAR PUSTAKA

Agustinus, Pranowo, W. S., Nurhidayat, Asmoro, N. W., & Hendra. (2015). Karakteristik Suhu Dan Salinitas Di Selat Makassar Berdasarkan Data Ctd Cruise Arlindo 2005 Dan Timit 2015. *Chart Datum*, *8*(2), 107–116.

Aklesia, J. S. (2021). *Aplikasi Model Maximum Entropy Untuk Kesesuaian Habitat Ikan Layang (Decapterus Spp.) Di Perairan Utara Jawa*. Institut Pertanian Bogor.

Aswar, B., Hidayat, R., P Nelwan, A. F., Sumberdaya Perikanan, P., Ilmu Kelautan dan Perikanan, F., & Hasanuddin, U. (2020). Fishing Zone of Skipjack Tuna Using Pole and Line in Bone Gulf Waters. *Jurnal IPTEKS PSP*, *7*(13), 34–41.

Daming, W. S., Hasanuddin, U., Amran, M. A., Hasanuddin, U., Muhiddin, A. H., Hasanuddin, U., Tambaru, R., & Hasanuddin, U. (2016). Dinamika Spasial Temporal Sebaran Klorofil-A Perairan Selat Makassar Kaitannya Dengan Lokasi Penangkapan Ikan. *Seminar Nasional Pengelolaan Perikanan Pelagis 2016 Marine Resources Exploration and Management (MEXMA) Research Group Fakultas Perikanan Dan Ilmu Kelautan, Universitas Brawijaya*.

Demena, Y. E., Miswar, E., Musman, M., Studi, P., Sumberdaya, P., Kuala, U. S., & Aceh, B. (2020). Penentuan Daerah Potensial Penangkapan Ikan Cakalang (Katsuwonus Pelamis) Menggunakan Citra Satelit Di Perairan Jayapura Selatan Kota Jayapura. *Jurnal Ilmiah Mahasiswa Kelautan Dan Perikanan Unsyiah*, *2*(4), 194–199.

Desianty, S. E., Zainuddin, M., & Safruddin, S. (2020). Mapping the Gravity Center of Fishing Ground on Skipjack Tuna Distribution in Bone Gulf-Flores Sea. *International Journal of Environment, Agriculture and Biotechnology*, *5*(6), 1480–1485. https://doi.org/10.22161/ijeab.56.10

Dewi, Y. K., Hidayat, R., Umar, M. T., & Bone, T. (2018). Studi Kondisi Oseanografi pada Daerah Penangkapan Ikan Pelagis Besar dengan Menggunakan Pole and Line di Perairan Teluk Bone Studi Kondisi Oseanografi pada Daerah Penangkapan Ikan Pelagis Besar dengan Menggunakan Pole and Line di Perairan Teluk Bone Study. *Prosiding Simposium Nasional Kelautan Dan Perikanan V*, *May*, 255–264.

Dianti, S. R. (2022). *Pemanfaatan Data Satelit Dan Maximum Entropy Model Untuk Pendugaan Daerah Penangkapan Potensial Ikan Tongkol (Euthynnus Affinis) Di Laut Natuna*. Institut Pertanian Bogor.

Erfin, & Riyantho, E. F. (2020). Pemetaan Daerah Penangkapan Ikan Tuna (Thunnus sp) Berbasis Sistem Informasi Geografis Di Perairan Utara Laut Flores Kabupaten Sikka. *AQUANIPA: Jurnal Ilmu Kelautan Dan Perikanan*, *2*(1), 1–8. http://aquanipa.nusanipa.ac.id/index.php/projemen/issue/view/3

Gaube, P., Dennis J. McGillicuddy Jr., Dudley B. Chelton, Michael J. Behrenfeld, & Peter G. Strutton. (2014). Regional variations in the influence of mesoscale eddies on near-surface chlorophyll Peter. *Journal of Geophysical Research: Oceans*, 8195–8220. https://doi.org/10.1002/2014JC010111.Received

Ghanbarian, G., Raoufat, M. R., Pourghasemi, H. R., & Safaeian, R. (2019). Habitat Suitability Mapping of Artemisia aucheri Boiss Based on the GLM Model in R. In *Spatial Modeling in GIS and R for Earth and Environmental Sciences*. Elsevier Inc. https://doi.org/10.1016/b978-0-12-815226-3.00009-0

Gordon, A. L., Napitu, A., Huber, B. A., Gruenburg, L. K., Pujiana, K., Agustiadi, T., Kuswardani, A., Mbay, N., & Setiawan, A. (2019). Makassar Strait Throughflow Seasonal and Interannual Variability: An Overview. *Journal of Geophysical Research: Oceans*, *124*(6), 3724–3736. https://doi.org/10.1029/2018JC014502

Hall, C., & Lutjeharms, J. R. E. (2011). Cyclonic eddies identified in the Cape Basin of the South Atlantic Ocean. *Journal of Marine Systems*, *85*(1–2), 1–10. https://doi.org/10.1016/j.jmarsys.2010.10.003

Hanintyo, R. (2019). *Spatio-Temporal Habitat Suitability Detection for Small Pelagic Fish Using Earth Observation Data on Nusa Penida Coast Bali, Indonesia* (Issue May). https://doi.org/10.13140/RG.2.2.33886.89920

Hao, Z., Xu, Z., Feng, M., Li, Q., & Yin, B. (2021). Spatiotemporal variability of mesoscale eddies in the Indonesian seas. *Remote Sensing*, *13*(5), 1–27. https://doi.org/10.3390/rs13051017

Hermida, M., Cavaleiro, B., Gouveia, L., & Saraiva, A. (2019). Seasonality of skipjack tuna parasites in the Eastern Atlantic provide an insight into its migratory patterns. *Fisheries Research*, *216*(December 2018), 167–173. https://doi.org/10.1016/j.fishres.2019.04.010

Hidayat, R., Zainuddin, M., Mallawa, A., Ahmad Mustapha, M., Safruddin, & Rani Sahni Putri, A. (2020). Estimating potential fishing zones for Skipjack Tuna (Katsuwonus pelamis) Abundance in Southern Makassar Strait. *IOP Conference Series: Earth and Environmental Science*, *564*(1). https://doi.org/10.1088/1755-1315/564/1/012082

Hidayat, R., Zainuddin, M., Putri, A. R. S., & Safruddin. (2019). Skipjack tuna

(katsuwonus pelamis) catches in relation to chlorophyll-a front in bone gulf during the southeast monsoon. *AACL Bioflux*, *12*(1), 209–218.

Horhoruw, S. M., Atmadipoera, A. S., Purba, M., & Purwandana, A. (2015). Struktur Arus dan Variasi Spasial Arlindo di Selat Makassar dari EWIN 2013. *ILMU KELAUTAN: Indonesian Journal of Marine Sciences*, *20*(2), 87. https://doi.org/10.14710/ik.ijms.20.2.87-100

Jamal, M., Hasrun, & Ernaningsih. (2014). Tingkat Pemanfaatan dan Estimasi Potensi Ikan Cakalang (Katsuwonus pelamis) di Kawasan Teluk Bone Estimation Potency and Utilization Level of Skipjack Tuna (Katsuwonus pelamis) in Bone Bay. *Jurnal Ilmu Kelautan Dan Perikanan) Agustus*, *24*(2014), 20–28.

Jufri, A., Ihsan, M. N., & Sahabuddin. (2020). Distribusi Spasial dan Temporal Arus Permukaan Laut di Selat Makassar Spatial and Temporal. *SIGANUS: Journal of Fisheries and Marine Science*, *1*(2), 69–73. http://www.aviso.altimetry.fr/.

Jufri, Jufri, A., Anshar Amran, M., Mukti Zainuddin, dan, Perikanan, J., Maritim Raja Ali Haji, U., Riau, K., Studi Ilmu Kelautan, P., Hasanuddin, U., & Studi Pemanfaatan Sumberdaya Perikanan, P. (2014). Characterization of Skipjack Tuna Fishing Ground during the West Monsoon in Bone Bay. *Jurnal IPTEKS PSP*, *1*(1), 1–10. http://orca.science.oregonstate.edu/

Kane, S. N., Mishra, A., & Dutta, A. K. (2017). Eddies spatial variability at Makassar Strait – Flores Sea. *IOP Conference Series: Earth and Environmental Science*, *54*(1). https://doi.org/10.1088/1742-6596/755/1/011001

Kementerian Kelautan dan Perikanan. (2023). *Statistik-KKP*. https://statistik.kkp.go.id/home.php

Khoir, M., & Safruddin. (2023). Hasil Tangkapan Ikan Tongkol (Euthynnus sp.) Hubungannya dengan Thermal Front di Selat Makassar. *Torani: JFMarSci*, *6*(2), 119–125. https://oceancolor.gsfc.nasa.gov

Kunarso, K., Graharto, S. R., & Wulandari, S. Y. (2022). Identifikasi Variabilitas Suhu Permukaan Laut dan Klorofil- A serta Intensitas Upwelling di Selat Makassar. *Buletin Oseanografi Marina*, *11*(2), 206–214. https://doi.org/10.14710/buloma.v11i2.42170

Kusumaningrum, A., Lumingas, L. L. J., Sumilat, D. A., Budiman, J., Luasunaung, A., & Warouw, V. (2021). Analysis of leading commodities from capture fisheries resources at Bitung Oceanic Fishing Port, North Sulawesi. *Aquatic Science & Management*, *9*(2), 37–47. https://doi.org/10.35800/jasm.v9i2.35130

Mardlijah, S., Pane, A. R. P., Fauzi, M., Yusuf, H. N., Widiyastuti, H., Herlisman, Zamroni, A., Noegroho, T., Hufiadi, & Wagiyo, K. (2022). The Fishing Grounds and the Exploitation Status of Kawakawa (Euthynnus affinis) in Java Sea, Indonesia. *HAYATI Journal of Biosciences*, *29*(2), 255–265. https://doi.org/10.4308/hjb.29.2.255-265

Marpaung, S., Prayogo, T., Yati, E., Dwi Purwanto, A., Nandika, M. R., Dirgahayu Domiri, D., & Kushardono, D. (2022). Analisis Karakteristik Net Primary Productivity Dan Klorofil-a Di Laut Banda Dan Sekitarnya. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, *14*(1), 31–46. https://doi.org/10.29244/jitkt.v14i1.36757

Moore, B. R., Bell, J. D., Evans, K., Farley, J., Grewe, P. M., Hampton, J., Marie, A. D., Minte-Vera, C., Nicol, S., Pilling, G. M., Scutt Phillips, J., Tremblay-Boyer, L., Williams, A. J., & Smith, N. (2020). Defining the stock structures of key commercial tunas in the Pacific Ocean I: Current knowledge and main uncertainties. *Fisheries Research*, *230*(January), 105525. https://doi.org/10.1016/j.fishres.2020.105525

Mugo, R., & Saitoh, S.-I. (2020). Ensemble Modelling of Skipjack Tuna (Katsuwonus pelamis) Habitats in the Western North Pacific Using Satellite Remotely Sensed Data; a Comparative Analysis Using Machine-Learning Models. *Remote Sensing*, *12*(16), 2591. https://doi.org/10.3390/rs12162591

Mujib, Z., Boesono, H., & Fitri, A. D. P. (2013). *Pemetaan Sebaran Ikan Tongkol (Euthynnus Sp.) Dengan Data Klorofil-A Citra Modis Pada Alat Tangkap Payang (Danish-Seine) Di Perairan Teluk Palabuhanratu, Sukabumi, Jawa Barat*. *2*(2), 150–160.

Muscarella, R., Galante, P. J., Soley-Guardia, M., Boria, R. A., Kass, J. M., Uriarte, M., & Anderson, R. P. (2014). ENMeval: An R package for conducting spatially independent evaluations and estimating optimal model complexity for Maxent ecological niche models. *Methods in Ecology and Evolution*, *5*(11), 1198–1205. https://doi.org/10.1111/2041-210X.12261

Nagi, A., Napitupulu, G., Radjawane, I. M., Nurdjaman, S., Supriadi, D., & Nurhayati, D. (2023). Pemetaan Zona Potensial Penangkapan Ikan Tongkol di Perairan Teluk Banten. *Buletin Oseanografi Marina*, *12*(3), 379–394. https://doi.org/10.14710/buloma.v12i3.50374

Nelwan, A. F. P., Safruddin, S., & ... (2016). Produktivitas Penangkapan Bagan Rambo Di Perairan Kabupaten Barru, Sulawesi Selatan. In *Jurnal IPTEKS ….*

https://journal.unhas.ac.id/index.php/iptekspsp/article/view/2082

Norman, Y., Ihsan, N., & Arsyad, M. (2012). Analisis Distribusi Arus Permukaan Laut di Teluk Bone pada Tahun 2006-2010. *Jurnal Sains Dan Pendidikan Fisika*, *8*(3), 288–295. https://ojs.unm.ac.id/JSdPF/article/view/925

Nugraha, A. P., Purba, N. P., Junianto, & Sunarto. (2018). Ocean Currents , Temperature , and Salinity at Raja Ampat Islands and The Boundaries Seas. *World Scientific News*, *110*(September), 197–209.

Nurwany, H. M., & Yusrudin, I. (2023). Hubungan Suhu Permukaan Laut dan Klorofil-a Terhadap Hasil Tangkap Ikan Tongkol (Euthynnus affinis) di Teluk Rembang. *Jurnal Agropro*, *1*(2), 38–45.

Phillips, S. J., Anderson, R. P., Dudík, M., Schapire, R. E., & Blair, M. E. (2017). Opening the black box: an open-source release of Maxent. *Ecography*, *40*(7), 887–893. https://doi.org/10.1111/ecog.03049

Pratama, G. B., Nurani, T. W., & Herdiyeni, Y. (2023). Pemodelan Kesesuaian Habitat Ikan Pelagis Berbasis Kondisi Oseanografi di Perairan Palabuhanratu. *Bawal*, *14*(3), 161–171. https://doi.org/http://dx.doi.org/10.15578/bawal.14.3.2022.161-171

Purba, N. P., Pranowo, W. S., Ndah, A. B., & Nanlohy, P. (2021). Seasonal variability of temperature, salinity, and surface currents at 0° latitude section of Indonesia seas. *Regional Studies in Marine Science*, *44*, 101772. https://doi.org/10.1016/j.rsma.2021.101772

Puspita, A. R., Syamsuddin, M. L., Subiyanto, Syamsudin, F., & Purba, N. P. (2023). Predictive Modeling of Eastern Little Tuna (Euthynnus affinis) Catches in the Makassar Strait Using the Generalized Additive Model. *Journal of Marine Science and Engineering*, *11*(1). https://doi.org/10.3390/jmse11010165

Putra, E., Gaol, J. L., & Siregar, V. P. (2017). Hubungan Konsentrasi Klorofil-a Dan Suhu Permukaan Laut Dengan Hasil Tangkapan Ikan Pelagis Utama Di Perairan Laut Jawa Dari Citra Satelit Modis. *Jurnal Teknologi Perikanan Dan Kelautan*, *3*(2), 1–10. https://doi.org/10.24319/jtpk.3.1-10

Putri, A. R. S., Zainuddin, M., Musbir, Mustapha, M. A., & Hidayat, R. (2021). Mapping potential fishing zones for skipjack tuna in the southern Makassar Strait, Indonesia, using Pelagic Habitat Index (PHI). *Biodiversitas*, *22*(7), 3037–3045. https://doi.org/10.13057/biodiv/d220758

Radjawane, I. M., & Azminuddin, F. (2022). Seasonal and semi-annual variability of sea surface height in Makassar Strait Seasonal and

semi-annual variability of sea surface height in. *Journal of Physics: Conference Series*. https://doi.org/10.1088/1742-6596/739/1/012067

Safruddin, ., Hidayat, R., & Zainuddin, M. (2020). Skipjack Tuna Fishing Ground Based on Oceanography Satellite Image Data in Fisheries Management Area (FMA) 713. *TORANI: Journal of Fisheries and Marine Science*, *3*(2), 51–60. https://doi.org/10.35911/torani.v3i2.11368

Safruddin, Yashinta Dewi, K., Hidayat, R., Tauhid Umar, M., & Zainuddin, M. (2018). Studi Kondisi Oseanografi pada Daerah Penangkapan Ikan Pelagis Besar dengan Menggunakan Pole and Line di Perairan Teluk Bone. *Prosiding Simposium Nasional Kelautan Dan Perikanan V Universitas Hasanuddin, Makassar, 5 Mei 2018 335*, *2018*, 266–264.

Sahri, A., Herwata Putra, M. I., Kusuma Mustika, P. L., Kreb, D., & Murk, A. J. (2021). Cetacean habitat modelling to inform conservation management, marine spatial planning, and as a basis for anthropogenic threat mitigation in Indonesia. *Ocean and Coastal Management*, *205*, 105555. https://doi.org/10.1016/j.ocecoaman.2021.105555

Siregar, E. S. Y., Siregar, V. P., & Agus, S. B. (2018). Analisis Daerah Penangkapan Ikan Tuna Sirip Kuning Thunnus albacares di Perairan Sumatera Barat berdasarkan Model GAM. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, *10*(2), 501–516. emmasuriyantisiregar@gmail.com

Susilo, E., & Siwi, W. E. R. (2021). Analisis Kesuburan Perairan Selatan Makassar dari Data Satelit dan Pemodelan Numerik. *Prosiding Simposium Nasional VIII Kelautan Dan Perikanan Fakultas Ilmu Kelautan Dan Perikanan, Universitas Hasanuddin, Makassar, 5 Juni 2021*, *2012*, 1–10. http://journal.unhas.ac.id/index.php/proceedingsimnaskp/article/view/14889%0Ahttp://journal.unhas.ac.id/index.php/proceedingsimnaskp/article/download/14889/7164

Sweijd, N. A., & Smit, A. J. (2020). Trends in sea surface temperature and chlorophyll-a in the seven African Large Marine Ecosystems. *Environmental Development*, *36*(October), 100585. https://doi.org/10.1016/j.envdev.2020.100585

Syah, A. F., Saitoh, S. I., Alabia, I. D., & Hirawake, T. (2016). Predicting potential fishing zones for pacific saury (Cololabis saira) with maximum entropy models and remotely sensed data. *Fishery*

Bulletin, *114*(3), 330–342. https://doi.org/10.7755/FB.114.3.6

Syahdan, M., Mangkurat, U. L., Atmadipoera, A., & Lumban-gaol, J. (2014). *International Journal of Sciences : Basic and Applied Research Variability of Surface Chlorophyll-a in the Makassar Strait – Java Sea , Indonesia*. *September*.

Syfert, M. M., Smith, M. J., & Coomes, D. A. (2013). *The Effects of Sampling Bias and Model Complexity on the Predictive Performance of MaxEnt Species Distribution Models*. *8*(2). https://doi.org/10.1371/journal.pone.0055158

Tang, H., Xu, L., Zhou, C., Wang, X., Zhu, G., & Hu, F. (2017). The effect of environmental variables, gear design and operational parameters on sinking performance of tuna purse seine setting on free-swimming schools. *Fisheries Research*, *196*(November 2016), 151–159. https://doi.org/10.1016/j.fishres.2017.08.006

Triyulianti, I., Setiawan, A., Hamzah, F., Agustiadi, T., Priyono, B., Trenggono, M., & Nagari, F. (2023). Distributions of Nutrients in Relation to Phytoplankton Community Heterogeneity in the Makassar Strait, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *1163*(1). https://doi.org/10.1088/1755-1315/1163/1/012011

Vernet, M., Ellingsen, I., Marchese, C., Bélanger, S., Cape, M., Slagstad, D., & Matrai, P. A. (2021). Spatial variability in rates of net primary production (NPP) and onset of the spring bloom in Greenland shelf waters. *Progress in Oceanography*, *198*, 102655. https://doi.org/10.1016/j.pocean.2021.102655

Wang, J., Flierl, G. R., Lacasce, J. H., Mcclean, J. L., & Mahadevan, A. (2013). Reconstructing the ocean's interior from surface data. *Journal of Physical Oceanography*, *43*(8), 1611–1626. https://doi.org/10.1175/JPO-D-12-0204.1

Yen, K. W., Lu, H. J., Chang, Y., & Lee, M. A. (2012). Using remote-sensing data to detect habitat suitability for yellowfin tuna in the Western and Central Pacific Ocean. *International Journal of Remote Sensing*, *33*(23), 7507–7522. https://doi.org/10.1080/01431161.2012.685973

Yen, K. W., Wang, G., & Lu, H. J. (2017). Evaluating habitat suitability and relative abundance of skipjack (Katsuwonus pelamis) in the Western and Central Pacific during various El Niño events. *Ocean and Coastal Management*, *139*, 153–160. https://doi.org/10.1016/j.ocecoaman.2017.02.011

Yu, W., Chen, X., Yi, Q., Chen, Y., & Zhang, Y. (2015). Variability of suitable habitat of western winter-spring cohort for neon flying squid in the

Northwest Pacific under anomalous environments. *PLoS ONE*, *10*(4). https://doi.org/10.1371/journal.pone.0122997

Yunus, F., Zainuddin, M., Aisjah Farhum, S., Studi Pemanfaatan Sumberdaya Perikanan, P., & Ilmu Kelautan dan Perikanan, F. (2019). Pemetaan Daerah Potensial Penangkapan Ikan Tongkol (Euthynnus affinis) di Perairan Selat Makassar. *Jurnal IPTEKS PSP*, *6*(11), 1–20.

Yusuf, M., Maddatuang, M., Malik, A., & Sukri, I. (2022). Analisis Trend Dan Variabilitas Suhu Permukaan Laut Di Perairan Indonesia Wppn-Ri 713. *Jurnal Environmental Science*, *5*(1). https://doi.org/10.35580/jes.v5i1.38018

Zainuddin, M., & Farhum, A. (2010). Prediksi daerah potensial penangkapan ikan cakalang di Teluk Bone : sebuah perspektif pendekatan satelit remote sensing dan sig. *J. Lit. Perikan. Ind*, *16*(2), 115–123.

Zainuddin, M., Nelwan, A., Hajar, M. A. I., Farhum, S. A., Najamuddin, Kurnia, M., & Sudirman. (2013). pemetaan zona potensi penangkapan ikan cakalang periode April-Juni di Teluk Bone dengan teknologi remote sensing. *J. Lit. Perikanan. Ind.*, *19*(3), 167–173.

LAMPIRAN

Lampiran 1. Dokumentasi Kegiatan di Lapangan

CIRRICULUM VITAE

A. Data Pribadi

1. Nama : Muhammad Fakhruddin Rifaldi
2. Tempat tanggal lahir : Tarakan, 9 Juli 2000
3. Alamat : Jl. Titang, Kel. Watang Soreang, Kec. Soreang, Kota Parepare
4. Kewarganegaraan : Indonesia

B. Riwayat Pendidikan

1. SD Negeri 81 Parepare (2006 – 2012)
2. SMP Negeri 10 Parepare (2012 – 2015)
3. SMA Negeri 3 Parepare (2015 – 2018)
4. Universitas Hasanuddin (2020 – 2024)

C. Riwayat Kerja

1. Jenis Pekerjaan : Pelayan Kafe (*waiters*) (2015 – 2016) dan (2019)
2. Jenis Pekerjaan : *Housekeeping*, *Service*, *Receptionis* (2018 – 2020)