



Daftar Pustaka

- Almuas. 2005. "Analisis Karakteristik Parameter Oseanografi Untuk Penentuan Daerah Penangkapan Ikan Pelegis Di Perairan Laut Cina Selatan Bagian Selatan Pada Musim Timur." IPB University.
- Amri, Khairul, Djisman Manurung, Jonson Lumban Gaol, and Mulyono S. Baskoro. 2013. "Karakteristik Suhu Permukaan Laut Dan Kejadian Upwelling Fase Indian Ocean Dipole Mode Positif Di Barat Sumatera Dan Selatan Jawa Barat." *Jurnal Segara* 9(1): 23–35.
- Andriani, Ayu et al. 2017. "Abundance of Phytoplankton and Its Role as Fish Food Sources in Pabean Bay, West Java." *Jurnal Sumberdaya Akuatik Indopasifik* 1(2): 133–44.
- Armi, Zina et al. 2010. "Seasonal Phytoplankton Responses to Environmental Factors in a Shallow Mediterranean Lagoon." *Journal of Marine Science and Technology* 15(4): 417–26.
- Arta, Fandi Handika, Mubarak, and Syafruddin Nasution. 2016. "Sebaran Klorofil-a Di Perairan Pantai Padang Dan Pariaman Provinsi Sumatera Barat Menggunakan Citra Satelit Aqua Modis." *Jurnal Ilmu Lingkungan* 10(March 2015): 128–37.
- Azis, M.Furqon. 2006. "Gerak Air Dilaut." *Oseana* XXXI(4): 9–21.
www.oseanografi.lipi.go.id.
- Babu, M. Jocelyn, P. Geetha, and K. P. Soman. 2016. "MODIS-Aqua Data Based Detection and Classification of Algal Blooms along the Coast of India Using RLS Classifier." *Procedia Computer Science* 93(September): 424–30.
<http://dx.doi.org/10.1016/j.procs.2016.07.229>.
- Bonini, Sheila, Nakul Saran, and Lothar Stein. 2011. McKinsey & Company www.mckinsey.com *Design for Sustainable Fisheries - Modeling Fishery Economics*. Australia.
- BPS, Provinsi Sumatera Barat. 2018. *Provinsi Sumatera Barat Dalam Angka 2018*. I. ed. Provinsi Sumatera Barat Badan Pusat Statistik. Padang: © BPS Provinsi Sumatera Barat/BPS-Statistics of Sumatera Barat.
- Brando, V et al. 2006. *Chlorophyll and Suspended Sediment Assessment in a*



Macrotidal Tropical Estuary Adjacent to the Great Barrier Reef: Spatial and Temporal Assessment Using Remote Sensing. Canberra.

- Dipa, Arya. 2018. "Australian Winter Brings Cold Weather to Parts of Indonesia." *The Jakarta Post.*
- Durkin, Colleen A., Benjamin A.S. Van Mooy, Sonya T. Dyhrman, and Ken O. Buesseler. 2016. "Sinking Phytoplankton Associated with Carbon Flux in the Atlantic Ocean." *Limnology and Oceanography* 61(4): 1172–87.
- Esiukova, E. E., I. P. Chubarenko, and Zh I. Stont. 2017. "Upwelling or Differential Cooling? Analysis of Satellite SST Images of the Southeastern Baltic Sea." *Water Resources* 44(1): 69–77.
- ESRI. 2001. *ESRI ArcGIS™ Geostatistical Analyst: Statistical Tools for Data Exploration, Modeling, and Advanced Surface Generation.* ESRI White. New York: ESRI 380 New York St., Redlands, CA 92373-8100, USA.
- . 2010. "Geostatistical Analyst Tutorial Copyright." In *Esri*, , 57.
- Gattuso, Jean-Pierre, Ove Hoegh-Guldberg, and Hans-Otto Pörtner. 2014. "Coral Reefs." In *Cross-Chapter Box on Coral Reefs. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability.*, eds. C.B. Field et al. Cambridge, United Kingdom and New York, NY, USA: Cambridge University Press, 97–100.
- Gusna, Merina, Zakaria Indra Junaidi, and Chairul. 2006. "Journal of Biological Sciences." *The Journal of Ecology* 48(3): 752.
- Hong, Lisha et al. 2012. "The Distribution of Chlorophyll a in the Southwestern Indian Ocean in Summer." *Shengtai Xuebao/ Acta Ecologica Sinica* 32(14): 4525–34.
- Ji, Chenxu et al. 2018. "Evaluating the Impact of Sea Surface Temperature (SST) on Spatial Distribution of Chlorophyll- a Concentration in the East China Sea." *International Journal of Applied Earth Observation and Geoinformation* 68(November 2017): 252–61.
<http://linkinghub.elsevier.com/retrieve/pii/S0303243418301016>.
- Kämpf, J., and A. Kavi. 2018. "SST Variability in the Eastern Intertropical Indian Ocean - On the Search for Trigger Mechanisms of IOD Events." *Deep-Sea*



- Research Part II: Topical Studies in Oceanography* 166(November 2018): 64–74. <https://doi.org/10.1016/j.dsr2.2018.11.010>.
- Kang, Kyeonghwan, Caiyan Qin, Bongjae Lee, and Ikjin Lee. 2019. “Modified Screening-Based Kriging Method with Cross Validation and Application to Engineering Design.” *Applied Mathematical Modelling* 70: 626–42. <https://doi.org/10.1016/j.apm.2019.01.030>.
- Kida, S., and K. J. Richards. 2009. “Seasonal Sea Surface Temperature Variability in the Indonesian Seas.” *Journal of Geophysical Research* 114(6): 1–17.
- Klemm, Otto, and Neng Huei Lin. 2016. “What Causes Observed Fog Trends: Air Quality or Climate Change?” *Aerosol and Air Quality Research* 16(5): 1131–42.
- Krivoruchko, Konstantin. 2004. “Introduction to Modeling Spatial Processes Using Geostatistical Analyst.” *Esri*: 1–27. <http://www.esri.com/library/whitepapers/pdfs/intro-modeling.pdf>.
- Kuring, Norman, Marlon R. Lewis, Trevor Platt, and John E. O’Reilly. 1990. “Satellite-Derived Estimates of Primary Production on the.” *Continental Shelf Research* 10(5): 461–84.
- Kusumaningtyas, Dyah Ika, and Puji Purnama. 2017. “Analisa Kadar Fosfat (P-Po₄) Di Perairan Sungai Citarum Dan Anak Sungainya Dengan Metode Asam Askorbat.” *BULETIN TEKNIK LITKAYASA Sumber Daya dan Penangkapan* 15(1): 23.
- Lambert, F. Hugo, and Mark J. Webb. 2011. “The Relationship between Land-Ocean Surface Temperature Contrast and Radiative Forcing.” *Journal of Climate*: 3239–56.
- LAPAN. 2015. *Pedoman Pembuatan Informasi Spasial Zona Potensi Penangkapan Ikan Berbasis Data Satelit Penginderaan*. ed. Rokhis Khomarudin. Jakarta: Pusat Pemanfaatan Penginderaan Jauh LAPAN.
- Lips, Inga, and Urmas Lips. 2010. “Phytoplankton Dynamics Affected by the Coastal Upwelling Events in the Gulf of Finland in July-August 2006.” *Journal of Plankton Research* 32(9): 1269–82.
- Ludwig, Wolfgang, Egon Dumont, Michel Meybeck, and Serge Heussner. 2009.



- “River Discharges of Water and Nutrients to the Mediterranean and Black Sea: Major Drivers for Ecosystem Changes during Past and Future Decades?” *Progress in Oceanography* 80(3–4): 199–217.
<http://dx.doi.org/10.1016/j.pocean.2009.02.001>.
- Makmur, Murdahayu. 2008. “Pengaruh Upwelling Terhadap Ledakan Alga (Blooming Algae) Di Lingkungan Perairan Laut.” In *Prosiding Seminar Nasional Teknologi Pengolahan Limbah VI Pusat Teknologi Limbah Radioaktif-BATAN Dan Pusat Penelitian Ilmu Pengetahuan Dan Teknologi-RISTEK*, ed. Sucipta. Tangerang, 240–45.
- Miyamoto, Hiroomi et al. 2019. “Predicting the Timing of Pacific Saury (Cololabis Saira) Immigration to Japanese Fishing Grounds: A New Approach Based on Natural Tags in Otolith Annual Rings.” *Fisheries Research* 209(December 2017): 167–77.
<https://doi.org/10.1016/j.fishres.2018.09.016>.
- Montero, José-Maria, Gema Fernández-Avilés, and Jorge Mateu. 2015. Wiley *Spatial and Spatio-Temporal Geostatistical Modeling and Kriging*. I. ed. Sanford Weisberg David J. Balding, Noel A. C. Cressie, Garrett M. Fitzmaurice, Geof H. Givens, Harvey Goldstein, Geert Molenberghs, David W. Scott, Adrian F. M. Smith, Ruey S. Tsay. The Atrium, Southern Gate, Chichester, West Sussex: John Wiley & Sons Ltd. www.wiley.com.
- Nurdin, Suhartono, Muzzneena A. Mustapha, Tukimat Lihan, and Mukti Zainuddin. 2017. “Applicability of Remote Sensing Oceanographic Data in the Detection of Potential Fishing Grounds of Rastrelliger Kanagurta in the Archipelagic Waters of Spermonde, Indonesia.” *Fisheries Research* 196(July): 1–12. <http://dx.doi.org/10.1016/j.fishres.2017.07.029>.
- Nurkholis et al. 2016. “The Economic of Marine Sector in Indonesia.” *Aquatic Procedia* 7: 181–86.
<http://linkinghub.elsevier.com/retrieve/pii/S2214241X16300463>.
- Ochieng, Nyumba Tobias, Kerrie Wilson, Christina J. Derrick, and Nibedita Mukherjee. 2018. “The Use of Focus Group Discussion Methodology: Insights from Two Decades of Application in Conservation.” *Methods in*



Ecology and Evolution 9(1): 20–32.

Patra, B C et al. 2018. “Assessment of Potential Marine Fishing Zone Using Geospatial Technologies at the Coastal Stretch of West Bengal, India.” In *Geospatial Infrastructure, Applications and Technologies: India Case Studies*, eds. N.L. Sarda, P.S. Acharya, and Sumit Sen. Springer Nature Singapore Pte Ltd., 385–99. <http://link.springer.com/10.1007/978-981-13-2330-0>.

Pello, F S, E M Adiwilaga, N V Huliselan, and A Damar. 2014. “Pengaruh Musim Terhadap Beban Masukkan Nutrien Di Teluk Ambon Dalam.” *Jurnal Bumi Lestari* 14 (1)(1): 63–73.

Raymont, John E. G. 1980. 1 *Plankton and Productivity in the Oceans*. 2nd ed. New York: Pergamon Press.

Raza'i, Tengku Said, Imam Pangestiansyah Putra, M . Aris Suhud, and Muhammad Firdaus. 2018. “Kelimahan Kopepoda (Copepods) Sebagai Stok Pakan Alami Di Perairan Desa Pengudang, Bintan.” *Intek Akuakultur* 2(1): 63–70.

Respatti, Erizal, Rito Goejantoro, and Sri Wahyuningsih. 2014. “Perbandingan Metode Ordinary Kriging Dan Inverse Distance Weighted Untuk Estimasi Elevasi Pada Data Topografi (Studi Kasus: Topografi Wilayah FMIPA Universitas Mulawarman).” *Jurnal EKSPONENSIAL* 5(2): 163–70.
[https://fmipa.unmul.ac.id/files/docs/10.\[19\] Jurnal Erizal Respatti EDIT.pdf](https://fmipa.unmul.ac.id/files/docs/10.[19] Jurnal Erizal Respatti EDIT.pdf).

Riegl, Bernhard et al. 2009. “Coral Reefs: Threats and Conservation in an Era of Global Change.” *Annals of the New York Academy of Sciences* 1162: 136–86.

Ruchimat, Toni et al. 2017. Indian Ocean Tuna Commission, IOTC-2014-SC17-NR10 *Indonesian National Report to The Scientific Committee of The Indian Ocean Tuna Commission , 2017*.

Saputra, Hendra. 2017. “Analisis Variabilitas Spasial Dan Temporal Suhu Permukaan Laut Dan Klorofil-A Menurut Musim Dengan Citra Aqua-MODIS Untuk Menentukan Zona Tangkapan Ikan Cakalang (Studi Kasus Pada Kawasan Perairan Kabupaten Pesisir Selatan).” Universitas Negeri



- Padang. <http://repository.unp.ac.id/id/eprint/14087>.
- Satrioajie, Widhya Nugrobo. 2012. "TEKNOLOGI CITRASATELIT MODIS UNTUK PENGUKURAN SURU PERMUKAAN LAUT." *Oseana* XXXVII(3): 1–9.
- Selvin Pitchaikani, J, and Aaron P. Lipton. 2015. "Seasonal Variation of Zooplankton and Pelagic Fish Catch in the Fishing Grounds off Tiruchendur Coast, Gulf of Mannar, India." *Ecohydrology and Hydrobiology* 15(2): 89–100. <http://dx.doi.org/10.1016/j.ecohyd.2015.04.003>.
- Sharples, Jonathan, Jack J. Middelburg, Katja Fennel, and Timothy D. Jickells. 2017. "What Proportion of Riverine Nutrients Reaches the Open Ocean?" *Global Biogeochemical Cycles* 31(1): 39–58.
- Simpson, J.E. 1994. 1 *Sea Breeze and Local Wind*. 1st ed. Cambridge: Cambridge University Press.
- Siregar, Emma Suri Y., Vincentius P. Siregar, and Syamsul B Agus. 2018. "Analisis Daerah Penangkapan Ikan Tuna Sirip Kuning Thunnus Albacares Di Perairan Sumatera Barat Berdasarkan Model GAM." *Jurnal Ilmu dan Teknologi Kelautan* 10(2): 501–16.
<http://journal.ipb.ac.id/index.php/jurnalikt>.
- Sriartha, I Putu, and Sri Rum Giyarsih. 2015. "Spatial Zonation Model of Local Irrigation System Sustainability (A Case of Subak System in Bali)." *Indonesian Journal of Geography* 47(2): 142–50.
- Stein, Michael L. 1999. Spring-Verlag *Spatial Interpolation, Some Theory for Kriging*. I. eds. P. Bickel et al. New York: Springer Science+Business Media New York.
- Suman, Ali, Hari Eko Irianto, Fayakun Satria, and Khairul Amri. 2016. "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(21): 97–110.
- Susanto, R. Dwi, Arnold L. Gordon, and Quanan Zheng. 2001. "Upwelling along the Coasts of Java and Sumatra and Its Relation to ENSO." *Geophysical Research Letters* 28(8): 1599–1602.



- Susanto, R. Dwi, Thomas S. Moore, and John Marra. 2006. "Ocean Color Variability in the Indonesian Seas during the SeaWiFS Era." *Geochemistry, Geophysics, Geosystems* 7(5): 1–16.
- Tangke, Umar, John Ch Karuwal, Mukti Zainuddin, and Achmar Mallawa. 2015. "Sebaran Suhu Permukaan Laut Dan Klorofil-a Pengaruhnya Terhadap Hasil Tangkapan Yellowfin Tuna (*Thunnus Albaceres*) Di Perairan Laut Halmahera Bagian Selatan." *Jurnal IPTEKS PSP* 2(3): 248–60.
- Tanto, Try Al, Aprizon Putra, and Ilham. 2015. "Monitoring Ekosistem Pesisir Kawasan Teluk Bungus - Padang, Sumatera Barat." *Pusat Riset Kelautan*. <http://pusriskel.litbang.kkp.go.id/index.php/en/publikasi/artikel>.
- Taufikurahman, Qamal. 2016. "Coastal Upwelling Di Perairan Selatan Pulau Sumbawa." Institut Pertanian Bogor.
- Ulqodry, T. Zia, Yulisman, Muhammad Syahdan, and Santoso. 2010. "Karakteristik Dan Sebaran Nitrat, Fosfat, Dan Oksigen Terlarut Di Perairan Karimunjawa Jawa Tengah." *Jurnal Penelitian Sains* 13(1): 35–41.
- Vollenweider, R. A., F. Giovanardi, G. Montanari, and A. Rinaldi. 1998. "Characterization of the Trophic Conditions of Marine Coastal Waters with Special Reference to the NW Adriatic Sea: Proposal for a Trophic Scale, Turbidity and Generalized Water Quality Index." *Environmetrics* 9(3): 329–57.
- Widodo, Agustinus Anung et al. 2016. "Characteristics of Tuna Fisheries Associated with Anchored FADs in the Indonesian Fisheries Management Areas 572 and 573 in the Indian Ocean." *IOTC–2016–WPTT18–29* (October): 1–15.
- Wise, Stephen. 2011. "Cross-Validation as a Means of Investigating DEM Interpolation Error." *Computers and Geosciences* 37(8): 978–91. <http://dx.doi.org/10.1016/j.cageo.2010.12.002>.
- Wu, Chau Ron et al. 2019. "Coherent Response of Vietnam and Sumatra-Java Upwellings to Cross-Equatorial Winds." *Scientific Reports* 9(1): 1–7. <http://dx.doi.org/10.1038/s41598-019-40246-w>.
- Wyrtki, Klaus. 1973. "An Equatorial Jet in the Indian Ocean." *SCIENCE* 181(9):



262–64.

- Wyrtsky, Klaus. 1961. "UC San Diego." *Naga Report* 2: 1–226.
<https://escholarship.org/uc/item/49n9x3t4>.
- Xu, Yong et al. 2019. "Spatial Variation of Demersal Fish Diversity and Distribution in the East China Sea: Impact of the Bottom Branches of the Kuroshio Current." *Journal of Sea Research* 144(November 2018): 22–32.
<https://linkinghub.elsevier.com/retrieve/pii/S1385110118300753>.
- Xue, Liang et al. 2016. "Aragonite Saturation State in a Monsoonal Upwelling System off Java, Indonesia." *Journal of Marine Systems* 153: 10–17.
<http://dx.doi.org/10.1016/j.jmarsys.2015.08.003>.
- Yong, He, Bian Fulin, and Wang Xichun. 2002. "The Research on Spatial Process Modeling in GIS."
- Yu, Wei, Xinjun Chen, and Qian Yi. 2017. "Fishing Ground Distribution of Neon Flying Squid (*Ommastrephes Bartramii*) in Relation to Oceanographic Conditions in the Northwest Pacific Ocean." *Journal of Ocean University of China* 16(6): 1157–66.
- Zhang, Yuanzhi et al. 2018. "Monitoring of Chlorophyll-a and Sea Surface Silicate Concentrations in the South Part of Cheju Island in the East China Sea Using MODIS Data." *International Journal of Applied Earth Observation and Geoinformation* 67(February): 173–78.
<http://linkinghub.elsevier.com/retrieve/pii/S0303243418300965>.
- <https://nasional.republika.co.id/berita/nasional/daerah/18/07/29/pcmfu8423-dua-pertiga-tangkapan-nelayan-padang-adalah-sampah-laut> Diakses pada 12 Mei 2019, Pukul: 12.52.
- <https://sumbar.antaranews.com/berita/168336/bpspl-padang-upayakan-nelayan-tangkap-ikan-tepat-sasaran> Diakses pada 8 April 2019, Pukul: 10.12.
- <https://pdfs.semanticscholar.org/7d1c/e258461cbca22c9b261b3e09a6401579244b.pdf> Diakses pada 25 Desember 2018, Pukul: 20.05.
- <http://www.bppp-tegal.com> Diakses pada 13 Mei 2019, Pukul: 16.03.
- <http://www.geoinfo.ait.ac.th/modis/Introduction.html> Diakses pada 7 Mei 2019, Pukul: 22.12.