

## DAFTAR PUSTAKA

- Arafah, F. 2017. Pengaruh Fenomena La-Nina Terhadap Suhu Permukaan Laut Di Perairan Kabupaten Malang. *Spectra*. **15**(30): 57–68.
- Ariska, M., Akhsan, H., Muslim, M., Sudirman, dan Kistiono. 2022. Pengaruh El Niño Southern Oscillation (ENSO) dan Indian Ocean Dipole (IOD) Terhadap Curah Hujan dan Korelasinya dengan Consecutive Dry Days (CDD) Provinsi Sumatera Selatan dari Tahun 1981-2020. *JIFP (Jurnal Ilmu Fisika dan Pembelajarannya)*. **6**(2): 31–41.
- Asuhadi, S., Amir, A. B., dan Sarira, N. H. 2021. Konservasi Keanekaragaman Hayati Laut. *Journal of Empowerment Community and Education*. **1**(2): 1–7.
- Athoillah, I., Mariana Sibarani, R., Eirene Doloksaribu, D., Besar Teknologi Modifikasi Cuaca - Badan Pengkajian dan Penerapan Teknologi, B., Ir Mohammad Soebagio, G., Puspipitek, K., Selatan, T., Meteorologi Kualanamu, S., Regional, B., Tengku Heran, J., Kebun Kelapa, P. V, Serdang, D., Utara, S., Kunci, K., et al. 2017. Analisis Spasial El Nino Kuat Tahun 2015 Dan La Nina Lemah Tahun 2016 Pengaruhnya Terhadap Kelembapan, Angin dan Curah Hujan di Indonesia. *Jurnal Sains & Teknologi Modifikasi Cuaca*. **18**(1): 33–41.
- Azuga, N. A. dan M. Radjawane, I. 2022. Marine Heatwaves pada Lapisan Bawah Permukaan di Perairan Selatan Jawa: Tren , Frekuensi , Durasi , dan Intensitas Kumulatif Berdasarkan Data Model Asimilasi ( 1993-2019 ). *Jurnal Perikanan Dan Kelautan*. **27**(3): 394–406.
- Carrasco, D., Pizarro, O., Jacques-Coper, M., dan Narváez, D. A. 2023. Main Drivers Of Marine Heat Waves In The Eastern South Pacific. *Frontiers in Marine Science*. **10**(2): 1–16.
- Chao, W. C. dan Chen, B. 2001. The Origin Of Monsoons. *Journal of the Atmospheric Sciences*. **58**(22): 3497–3507.
- Chen, Y., Wang, Y., dan Wang, D. 2020. El Nino-Southern Oscillation Modulates Western Pacific Tropical Cyclone Intensity. *Geophysical Research Letters*. *Geophysical Research*. **47**(22).
- Dewitte, B., Gille, S. T., Takahashi, K., dan Holbrook, N. J Stammerjohn, S. 2019. ENSO's Changing Influence On Temperature, Precipitation, And Wildfire In A Warming Climate. *Geophysical Research Letters*. **46**(13).
- Faisal Hamzah, Eko Susilo, I. T. dan A. S. 2015. Pergerakan Zona Konvergensi Di Samudra Pasifik Bagian Barat Berdasarkan Data Insitu Dan Satelit. *Jurnal Kelautan Nasional*. **10**: 75–90.
- Fiedler, E. K., Mao, C., Good, S. A., Waters, J., dan Martin, M. J. 2019. Improvements To Feature Resolution In The OSTIA Sea Surface Temperature Analysis Using The NEMOVAR Assimilation Scheme. *Quarterly Journal of the Royal Meteorological Society*. **145**(725): 3609–3625.

- Fischedick, M., Roy, J., Acquaye, A., Allwood, J., Ceron, J. P., Geng, Y., dan Tanaka, K. 2019. Industry In Climate Change 2014 Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. *Russian Economic Development over Three Centuries: New Data and Inferences*. 183–220.
- Frölicher, T. L., Fischer, E. M., dan Gruber, N. 2018. Marine Heatwaves Under Global Warming. *Nature*. **560**(7718): 360–364.
- Gebbie, G. dan Huybers, P. 2019. The Little Ice Age And 20th-Century Deep Pacific Cooling. *Science*. **363**(6422): 70–74.
- Good, S., Fiedler, E., Mao, C., Martin, M. J., Maycock, A., Reid, R., Roberts-Jones, J., Searle, T., Waters, J., While, J., dan Worsfold, M. 2020. The Current Configuration Of The OSTIA System For Operational Production Of Foundation Sea Surface Temperature And Ice Concentration Analyses. *Remote Sensing*. **12**(4): 1–20.
- Handoko, E. Y., Filaili, R. B., dan . Y. 2019. Analisa Fenomena Enso Di Perairan Indonesia Menggunakan Data Altimetri Topex/Poseidon Dan Jason Series Tahun 1993 - 2018. *Geoid*. **14**(2): 43.
- Hayashi, M., Jin, F. F., dan Stuecker, M. F. 2020. Dynamics For El Niño-La Niña Asymmetry Constrain Equatorial-Pacific Warming Pattern. *Nature Communications*. **11**(1): 1–10.
- Hidayat, A. M., Efendi, U., Agustina, L., dan Winarso, P. A. 2018. Korelasi Indeks Nino 3.4 Dan Southern Oscillation Index (Soi) Dengan Variasi Curah Hujan di Semarang. *Jurnal Sains & Teknologi Modifikasi Cuaca*. **19**(2): 75.
- Hobday, A. J., Alexander, L. V., Perkins, S. E., Smale, D. A., Straub, S. C., Oliver, E. C. J., Benthuisen, J. A., Burrows, M. T., Donat, M. G., Feng, M., Holbrook, N. J., Moore, P. J., Scannell, H. A., Sen Gupta, A., et al. 2016. A Hierarchical Approach To Defining Marine Heatwaves. *Progress in Oceanography*. **141**: 227–238.
- Hobday, A. J., Oliver, E. C. J., Gupta, A. Sen, Benthuisen, J. A., Burrows, M. T., Donat, M. G., Holbrook, N. J., Moore, P. J., Thomsen, M. S., Wernberg, T., dan Smale, D. A. 2018. Categorizing And Naming Marine Heatwaves. *Oceanography*. **31**(2 Special Issue): 162–173.
- Holbrook, N. J., Sen Gupta, A., Oliver, E. C. J., Hobday, A. J., Benthuisen, J. A., Scannell, H. A., Smale, D. A., dan Wernberg, T. 2020. Keeping Pace With Marine Heatwaves. *Nature Reviews Earth And Environment*. **1**(9): 482–493.
- Holbrook, N. J., Scannell, H. A., Sen Gupta, A., Benthuisen, J. A., Feng, M., Oliver, E. C. J., Alexander, L. V., Burrows, M. T., Donat, M. G., Hobday, A. J., Moore, P. J., Perkins-Kirkpatrick, S. E., Smale, D. A., Straub, S. C., et al. 2019. A Global Assessment Of Marine Heatwaves And Their Drivers. *Nature Communications*. **10**(1): 1–13.
- Hu, S., Li, S., Zhang, Y., Guan, C., Du, Y., Feng, M., Ando, K., Wang, F., Schiller,

- A., dan Hu, D. 2021. Observed Strong Subsurface Marine Heatwaves In The Tropical Western Pacific Ocean. *Environmental Research Letters*. **16**(10).
- Ilahude, A. G. dan Nontji, A. 1999. Oseanografi Indonesia Dan Perubahan Iklim Global (El Nino Dan La Nina). *Oseanografi Indonesia*. 1-13.
- Irianto, G. dan Suciandini, S. 2015. Anomali Iklim: Faktor Penyebab, Karakteristik, dan Antisipasinya. *Iptek Tanaman Pangan*. **1**(2): 101-121.
- Iskandar, M. R., Ismail, M. F. A., Arifin, T., dan Chandra, H. 2021. Marine Heatwaves Of Sea Surface Temperature Off South Java. *Heliyon*. **7**(12).
- von Kietzell, A., Schurer, A., dan Hegerl, G. C. 2022. Marine Heatwaves In Global Sea Surface Temperature Records Since 1850. *Environmental Research Letters*. **17**(8).
- Kim, J., Na, H., Park, Y. G., dan Kim, Y. H. 2020. Potential Predictability Of Skipjack Tuna (*Katsuwonus Pelamis*) Catches In The Western Central Pacific. *Scientific reports*. **10**(1): 3193.
- Kohlman, K., Madden, S., dan Murphree, T. 2020. Marine Heat Waves In The Eastern North Pacific : Characteristics And Causes. 20-22.
- Lasut, A. Y., Patty, W., Warouw, V., Sondakh, C. A., Bara, R. A., Luasunaung, A., dan Sumilat, D. A. 2021. The Relationship Between El Niño Southern Oscillation (ENSO) And Oceanographic Parameters In North Sulawesi Waters. *Aquatic Science & Management*. **9**(1): 17-25.
- Laufkotter, C., Zscheischler, J., dan Frolicher, T. L. 2020. High Impact Marine Heatwaves Attributable to Human Induced Global Warming. *Science*. **369**(6511): 1621-1625.
- Lehodey, P., M, B., J, H., A, L., dan J, P. 1997. El Nino Southern Oscillation and Tuna in the Western Pacific. *Nature*. **389**(10): 1988-1991.
- Liu, K., Xu, K., Zhu, C., dan Liu, B. 2022. Diversity of Marine Heatwaves in the South China Sea Regulated by ENSO Phase. *Journal of Climate*. **35**(2): 877-893.
- Meteorology, B. of. 2014. Understanding ENSO.
- Mujadida, Z., Setiyono, H., Handoyo, G., Hariyadi, H., dan Marwoto, J. 2021. Analisis Dinamika Permukaan Laut di Laut Jawa dengan Recurrent Neural Network Periode 1993 sampai 2019. *Indonesian Journal of Oceanography*. **3**(1): 100-110.
- Ningsih, F., Fitriandingsih, dan Didik, L. A. 2019. Indonesian Physical Review. *Indonesian Physical Review*. **2**(3): 1-8.
- Oliver, E. C. J., Donat, M. G., Burrows, M. T., Moore, P. J., Smale, D. A., Alexander, L. V., Benthuisen, J. A., Feng, M., Sen Gupta, A., Hobday, A. J., Holbrook, N. J., Perkins-Kirkpatrick, S. E., Scannell, H. A., Straub, S. C., et al. 2018. Longer And More Frequent Marine Heatwaves Over The Past Century.

- Nature Communications*. **9**(1): 1–12.
- Pearce, A. F. dan Feng, M. 2013. The Rise And Fall Of The Marine Heat Wave Off Western Australia During The Summer Of 2010/2011. *Journal of Marine Systems*. **111–112**: 139–156.
- Permana, D. S. 2011. Analisis Data Meteorologi Dari Pemantau Cuaca Otomatis Berbagai Elevasi Dan Data Radiosonde Di Papua. *Jurnal Meteorologi dan Geofisika*. **12**(2): 151–162.
- Putra, A. P., Atmadipoera, A. S., dan Pariwono, J. I. 2020. Respons Suhu Permukaan Laut Dan Klorofil-A Terhadap Kejadian Enso Dan Iodm Di Wilayah Indo-Pasifik Tropis. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. **12**(1): 167–182.
- RA Fantanas D ;Brunton, A. ; H. S. J. ; D. 2018. Compound Marine Heatwaves And Low Sea Surface Salinity Extremes Over The Tropical Pacific Ocean. *Nanotechnology*. **29**(46).
- Smale, D. A., Wernberg, T., Oliver, E. C. J., Thomsen, M., Harvey, B. P., Straub, S. C., Burrows, M. T., Alexander, L. V., Benthuisen, J. A., Donat, M. G., Feng, M., Hobday, A. J., Holbrook, N. J., Perkins-Kirkpatrick, S. E., et al. 2019. Marine Heatwaves Threaten Global Biodiversity And The Provision Of Ecosystem Services. *Nature Climate Change*. **9**(4): 306–312.
- Surinati, D. 2021. Gelombang Panas Laut. *Oseana*. **46**: 8–15.
- Suryanto, W. dan Luthfian, A. 2019. Pengantar Meteorologi. *Ugm Press*.
- Syofian, J., Aziz, D., dan Krista, M. 2021. ENSO (El Nino-Southern Oscillation).
- Wang, Y., Kajtar, J. B., Alexander, L. V., Pilo, G. S., dan Holbrook, N. J. 2022. Understanding the Changing Nature of Marine Cold-Spells. *Geophysical Research Letters*. **49**(6).
- Wolter, K. dan Timlin, M. S. 1998. Measuring The Strength of ENSO Events: How does 1997/98 rank. *Weather*. **53**(9): 315–324.
- Wulandari, T., Kunarso, K., dan Marwoto, J. 2021. Analisa Spasial dan Temporal Suhu Permukaan Laut dan Klorofil-a selama 2 Dekade di Perairan Indonesia. *Indonesian Journal of Oceanography*. **3**(4): 370–381.
- Yalindua, F. Y. 2021. Spesiasi Dan Biogeografi Ikan Di Kawasan Segitiga Terumbu Karang. *Oseana*. **46**(1): 30–46.
- Yang, Y., Sun, W., Yang, J., Lim Kam Sian, K. T. C., Ji, J., dan Dong, C. 2022. Analysis And Prediction Of Marine Heatwaves In The Western North Pacific And Chinese Coastal Region. *Frontiers in Marine Science*. **9**: 1–20.
- Yeh, S. W., Kug, J. S., Dewitte, B., Kwon, M., dan Kirtman, B. 2021. El Niño And Southern Oscillation (ENSO): A Review. Sea Level Change, Coastal Impacts, And Adaptation. 23–44.

Zinke, J., Hoell, A., Lough, J. M., Feng, M., Kuret, A. J., Clarke, H., Ricca, V., Rankenburg, K., dan Mc Culloch, M. T. 2015. Coral Record Of Southeast Indian Ocean Marine Heatwaves With Intensified Western Pacific Temperature Gradient. *Nature Communications*. 6: 1-9.

