

DAFTAR PUSTAKA

- Alford, M. H., Gregg, M. C., dan Ilyas, M. 1999. Diapycnal Mixing in the Banda Sea: Results of the First Microstructure Measurements in the Indonesian Throughflow. *Geophysical Research Letters*. **26**(17): 2741–2744.
- Awaiyal, D. D., Tubalawony, S., dan Noya, Y. A. 2023. Stratifikasi dan Struktur Massa Air Laut Banda Saat Musim Timur. *Journal of Fisheries and Marine Research*. **7**(1): 30–42.
- Dillon, T. M. 1982. Vertical overturns: A comparison of Thorpe and Ozmidov length scales. *Journal of Geophysical Research: Oceans*. **87**(C12): 9601–9613.
- Fachrud, M. A., Rahmawati, M., dan Mandang, I. 2018. Analisis Spasial Pergerakan Massa Air Laut di Halmahera dan Laut Banda Menggunakan Metode Empirical Orthogonal Function (EOF). *Jurnal Geosains Kutai Basin*. **1**(1): 1–9.
- Ferdyan, A., Syamsuddin, M. L., S Yuliadi, L. P., Pranowo, W. S., dan Sunarto. 2022. Distribution and Characteristics of Eddies in Indonesian Seas. *Global Scientific Journals*. **10**(1): 603–610.
- Firdaus, M. L. 2018. Physical Properties and Nutrients Distribution of Seawater in the Banda Sea - Indonesia. *IOP Conference Series: Earth and Environmental Science*. **184**: 1–7.
- Firdaus, R., Setiyono, H., dan Harsono, G. 2016. Karakteristik Massa Air Lapisan Tercampur dan Lapisan Termoklin di Selat Lombok November 2015. *Jurnal Oseanografi*. **5**(4): 425–434.
- Galperin, B., Sukoriansky, S., dan Anderson, P. S. 2007. On the critical Richardson number in stably stratified turbulence. *Atmospheric Science Letters*. **8**: 65–69.
- Gordon, A. L. dan Fine, R. A. 1996. Pathway Of Water Between The Pacific And Indian Oceans In The Indonesian Seas. *Letters To Nature*. **379**: 146–149.
- Habsy, B. A. 2017. Seni Memahami Penelitian Kualitatif Dalam Bimbingan dan Konseling. *Jurnal Konseling Andi Matappa*. **1**(2): 90–100.
- Hasanudin, M. 1998. Arus Lintas Indonesia. *Oseana*. **23**(2): 1–9.
- Hautala, S. L., Reid, J. L., dan Bray, N. 1996. The Distribution and Mixing of Pacific Water Masses in the Indonesian Seas. *Journal of Geophysical Research*. **101**(C5): 12,375–12,389.
- Helly, J. J. dan Levin, L. A. 2004. Global Distribution of Naturally Occurring Marine Hypoxia On Continental Margins. *Deep-Sea Research Part I: Oceanographic Research Papers*. **51**(9): 1159–1168.
- Herwindya, A. Y., Soepardjo, A. H., dan Aldrian, E. 2018. The Effect of the Pacific Ocean Water Mass on Water and Climate Around Maluku, in *AIP Conference Proceedings*.

- Horhoruw, S. M., Fadli, M., Atmadipoera, A., Lekalette, J., Nugroho, D. Y., Tatipatta, W. M., dan Kainama, F. 2020. Horizontal Structure of Banda Eddies and the Relationship to Chlorophyll-a during South East Monsoon in Normal and ENSO Period on 2008-2010. *IOP Conference Series: Earth and Environmental Science*. **618**: 1–11.
- Hukubun, R. D., Tubalawony, S., dan Kalay, D. E. 2023. Distribusi Spasial Suhu dan Salinitas di Perairan Selat Haruku. *Jurnal Sumberdaya Akuatik Indopasifik*. **7**(1): 13–22.
- Hutabarat, M. F., Purba, N. P., Astuty, S., Syamsuddin, M. L., dan Kuswardani, A. R. T. D. 2018. Variabilitas Lapisan Termoklin Terhadap Kenaikan Mixed Layer Depth (MLD) di Selat Makassar. *Jurnal Perikanan dan Kelautan*. **9**(1): 9–21.
- Ilahude, A. G. dan Gordon, A. L. 1996. Thermocline stratification within the Indonesian Seas. *Journal of Geophysical Research: Oceans*. **101**(C5): 12401–12409.
- Iskandar, M. R., Purwandana, A., Surinati, D., dan Zheng, W. 2021. Observed Features of the Water Masses in the Halmahera Sea in November 2016. *Ilmu Kelautan: Indonesian Journal of Marine Sciences*. **26**(4): 225–236.
- Ismail, M. F. A., Karstensen, J., Sulaiman, A., Priyono, B., Budiman, A., Basit, A., Purwandana, A., dan Arifin, T. 2024. Observations of Barrier Layer Seasonal Variation in the Banda Sea. *Journal of Geophysical Research: Oceans*. **10**: 1–15.
- Jones, N. L. dan Monismith, S. G. 2008. Modeling The Influence of Wave-Enhanced Turbulence in a Shallow Tide and Wind-Driven Water Column. *Journal of Geophysical Research : Oceans*. **113**: 1–13.
- Khaldun, M. H. I. dan Lestariningsih, W. A. 2023. Analisis karakteristik fisik perairan barat lampung. *Journal of Science, Technology, and Visual Culture*. **3**(2): 318–325.
- Khaldun, M. H. I., Naulita, Y., dan Koropitan, A. F. 2020. Percampuran Turbulen Di Tenggara Samudera Hindia Saat Siklon Tropis Marcus Menggunakan Data ARGO Float. *Journal of Marine and Aquatic Sciences*. **6**(2): 293–300.
- Kisnarti, E. A., Permatasari, I. N., Putra, I. W. S. E., Nurhidayat, Purwanto, B., dan Setiadi, J. 2023. Contribution of the Water Mass From the Pacific Ocean To the Banda Sea Using Data From Jala Citra Expedition 2–2022. *Journal of Southwest Jiaotong University*. **58**(4): 202–212.
- Kusmanto, E. dan Surinati, D. 2016. Stratifikasi Massa Air di Teluk Lasolo, Sulawesi Tenggara. *Oseanologi dan Limnologi di Indonesia*. **1**(2): 17–29.
- Liang, L., Xue, H., dan Shu, Y. 2019. The Indonesian Throughflow and the Circulation in the Banda Sea: A Modeling Study. *Journal of Geophysical Research: Oceans*. **10**: 3089–3106.

- Manik, H. M., Sujatmiko, T. N., Ma'mun, A., dan Priatna, A. 2018. Penerapan Teknologi Hidroakustik Untuk Pengukuran Sebaran Spasial dan Temporal Ikan Pelagis Kecil di Laut Banda. *Marine Fisheries : Journal of Marine Fisheries Technology and Management*. **9**(1): 39-51.
- Meirinawati, H. dan Iskandar, M. R. 2019. Karakteristik Fisika dan Kimia Perairan di Laut Jawa – Ambang Dewakang. *Oseanologi dan Limnologi di Indonesia*. **4**(1): 41-52.
- Nagai, T. dan Hibiya, T. 2015. Internal tides and associated vertical mixing in the Indonesian Archipelago. *Journal of Geophysical Research: Oceans*. **10**: 3373-3390.
- Nagai, T., Hibiya, T., dan Bouruet-aubertot, P. 2017. Nonhydrostatic Simulations of Tide-Induced Mixing in the Halmahera Sea: A Possible Role in the Transformation of the Indonesian Throughflow Waters. *Journal of Geophysical Research : Oceans*. 8933-8943.
- Naulita, Y. 2016. Proses Percampuran Turbulen Di Kanal Labani, Selat Makassar Turbulent. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. **8**(9): 345-355.
- Oktavianto, E. A., Pranowo, W. S., Adrianto, D., Handoko, D., Setiyadi, J., dan Hascaryo, A. 2023. Massa Air di Laut Banda Berdasarkan Data Observasi Ekspedisi Jala Citra 2-2022 "Banda" dan Model Global. *Jurnal Chart Datum*. **9**(2): 77-90.
- Panjaitan, F. A. P., Wulandari, S. Y., Handoyo, G., dan Harsono, G. 2021. Identifikasi dan Stratifikasi Massa Air di Laut Sulawesi. *Indonesian Journal of Oceanography*. **3**(3): 322-331.
- Park, Y. H., Lee, J. H., Durand, I., dan Hong, C. S. 2014. Validation of Thorpe-scale-derived vertical diffusivities against microstructure measurements in the Kerguelen region. *Biogeosciences*. **11**(23): 6927-6937.
- Patty, S. I., Nurdiansah, D., dan Akbar, N. 2020. Sebaran Suhu, Salinitas, Kekkeruhan dan Kecerahan di Perairan Laut Tumbak-Benten, Minahasa Tenggara. *Jurnal Ilmu Kelautan Kepulauan*. **3**(1): 78-87.
- Prihatiningsih, I., Jaya, I., Atmadipoera, A. S., dan Zuraida, R. 2021. Stratification And Characteristic Of Water Masses In Selayar Slope-Southern Makassar Strait. *Omni-akuatika*. **17**(1): 27-36.
- Priyono, B., Purwandana, A., Kusmanto, E., Nuratmojo, dan Muhadjirin. 2023. Vertical Mixing in The Onshore Region of The Northwestern Maluku Sea, Indonesia. *Omni-akuatika*. **19**(2): 196-204.
- Purwandana, A. 2012. *Transformasi dan Percampuran Massa Air di Perairan Selat Alor Pada Bulan Juli 2011*, Institut Pertanian Bogor, Bogor. 125 hal.
- Purwandana, A. 2013. Kajian Percampuran Vertikal Massa Air dan Manfaatnya. *Oseana*. **38**(3): 9-22.
- Purwandana, A. 2023. Estimasi Percampuran Turbulen Vertikal Massa Air dari Data CTD: OTHORPE 1.0. Pusat Riset Oseanografi BRIN Jakarta. 36 hal.

- Purwandana, A. 2024. Karakterisasi Gelombang Internal Dan Percampuran Turbulen Laut Untuk Pembangunan Kemaritiman Nasional. Pusat Riset Oseanografi BRIN Jakarta. 112 hal.
- Purwandana, A. dan Cuypers, Y. 2025. OTHORPE 1.2. Pusat Riset Oseanografi BRIN Jakarta. 81 hal.
- Purwandana, A., Cuypers, Y., Bouruet-Aubertot, P., Nagai, T., Hibiya, T., dan Atmadipoera, A. S. 2020. Spatial Structure of Turbulent Mixing Inferred From Historical CTD Datasets in the Indonesian Seas. *Progress in Oceanography*. **184**: 1–20.
- Purwandana, A., Iskandar, M. R., Kusmanto, E., Fadli, M., Santoso, P. D., Corvianawatie, C., Muhadjirin, M., Wattimena, M. C., dan Zheng, W. 2021. Percampuran Vertikal di Perairan Laut Maluku dan Talaud Pada Bulan Februari 2021. *OLDI (Oseanologi dan Limnologi di Indonesia)*. **6**(2): 97–106.
- Purwandana, A., Ismail, M. F. A., Nugroho, D., Atmadipoera, A. S., dan Kampono, I. 2023. Hydrography and Turbulent Mixing in the Banda Sea Inferred From Argo Profiles. *IOP Conference Series: Earth and Environmental Science*. **1251**: 1–16.
- Purwandana, A., Purba, M., dan Atmadipoera, A. S. 2014. Distribusi Percampuran Turbulen di Perairan Selat Alor. *Ilmu Kelautan*. **19**(1): 43–54.
- Putra, T. W. L., Kunarso, dan K, A. R. T. D. 2020. Distribusi Suhu, Salinitas Dan Densitas Di Lapisan Homogen Dan Termoklin Perairan Selat Makassar. *Indonesian Journal of Oceanography*. **2**(2): 188–198.
- Rachmat, B. dan Noviadi, Y. 2016. Identifikasi Abrasi Pantai Perairan Teluk Lasolo Kendari Sulawesi Tenggara. *Jurnal Geologi Kelautan*. **7**(3): 123–134.
- Rachmawati, Irawati, dan Haraty, S. R. 2024. Tidal Data Analysis Based on Season Using Admiralty Method in Lasolo Bay Waters, Southeast Sulawesi. **29**(1): 100–106.
- Rahma, A., Atmadipoera, A. S., dan Naulita, Y. 2020. Water Mass Along Eastern Pathway of Indonesia Throughflow From a CTD Argo Float. *IOP Conference Series: Earth and Environmental Science*. **429**: 1–10.
- Richardson, L. F. 1920. The Supply of Energy from and to Atmospheric Eddies. *R. Soc. London*. 354–373.
- Samosir, T. H., Masengi, K. W. A., Kalangi, P. N. I., Iwata, M., dan Mandagi, I. F. 2012. Aplikasi Remotely Operated Vehicle (ROV) Dalam Penelitian Kelautan dan Perikanan di Sekitar Perairan Sulawesi Utara dan Biak Papua. *Jurnal Ilmu Dan Teknologi Perikanan Tangkap*. **1**(1): 22–25.
- Sprintall, J., Gordon, A. L., Koch-Larrouy, A., Lee, T., Potemra, J. T., Pujiana, K., dan Wijffels, S. E. 2014. The Indonesian Seas and Their Role in the Coupled Ocean-Climate System. *Nature Geoscience*. **7**(7): 487–492.
- Supangat, A. dan Susanna. 2007. Pengantar Oseanografi.

- Supriyanto, T., Agustinus, A., Rahmatullah, A., Pranowo, W. S., dan Triono, Y. 2024. Karakteristik Kolom Air di Titik Penyempitan (Choke Point) Selat Makasar. *Jurnal Chart Datum*. **10**(1): 39–46.
- Suteja, Y., Purba, M., dan Atmadipoera, A. S. 2015. Pencampuran Turbulen di Selat Ombai. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. **7**(1): 71–82.
- Tapilatu, Y. H. 2016. Profil Oseanografi Biologi Laut Banda: Sebuah Tinjauan Kritis. *Omni-akuatika*. **12**(2): 58–66.
- Taufiqurrahman, E., Wahyudi, A. J., dan Masumoto, Y. 2020. The Indonesian throughflow and its impact on biogeochemistry in the Indonesian Seas. *ASEAN Journal on Science and Technology for Development*. **37**(1): 29–35.
- Thomson, R. E. dan Fine, I. V. 2003. Estimating Mixed Layer Depth From Oceanic Profile Data. *Journal of Atmospheric and Oceanic Technology*. **20**(2): 319–329.
- Thorpe, S. A. 1977. Turbulence and Mixing in a Scottish Loch. *Royal Society Publishing Informing the Science of the Future*. **286**(1334): 125–181.
- Triyulianti, I., Hermawan, I., Yunanto, A., Pradisty, N. A., Raymonza, A. C., Islamy, F., dan Magdalena, N. C. 2017. Profil Vertikal Kandungan Oksigen Terlarut dan Fluoresen In Vivo Sebagai Indikator Keberlangsungan Kehidupan di Perairan Laut Maluku dan Laut Sulawesi. *Jurnal Kelautan Nasional*. **12**(2): 59–71.
- Triyulianti, I., Radiarta, I. N., Yunanto, A., Arinda Pradistya, N., Islami, F., dan R. Putri, M. 2018. Sistem Karbon Laut di Perairan Laut Maluku dan Laut Sulawesi. *JFMR-Journal of Fisheries and Marine Research*. **2**(3): 192–207.
- Woodson, C. B. 2018. The fate and impact of internal waves in nearshore ecosystems. *Annual Review of Marine Science*. **10**: 421–441.
- Wu, W., Song, C., Chen, Y., Zhai, F., Liu, Z., Liu, C., Gu, Y., dan Li, P. 2025. High-Frequency Dynamics of Bottom Dissolved Oxygen In Temperate Shelf seas: The Joint Role of Tidal Mixing and Sediment Oxygen Demand. *Limnology and Oceanography*. **10**: 1–14.
- Yasin, A. M., Sukiyah, E., Sulaksana, N., dan Isnaniawardhani, V. 2016. Fenomena Morfotektonik Pada Citra STRM di Wilayah Teluk Kendari. *Bulletin of Scientific Contribution*. **14**(2): 163–170.
- Zellatifanny, C. M. dan Mudjiyanto, B. 2018. Tipe Penelitian Deskripsi Dalam Ilmu Komunikasi. *Diakom : Jurnal Media dan Komunikasi*. **1**(2): 83–90.
- Zhou, F., Lu, X., Chen, F., Zhu, Q., Meng, Y., Chen, C., Lao, Q., dan Zhang, S. 2020. Spatial-Monthly Variations and Influencing Factors of Dissolved Oxygen in Surface Water of Zhanjiang Bay, China. *Journal of Marine Science and Engineering*. **8**(6): 1–16.
- Zhu, Y., Wang, L., Wang, Y., Xu, T., Li, S., Cao, G., Wei, Z., dan Qu, T. 2019. Stratified Circulation in the Banda Sea and Its Causal Mechanism. *Journal of Geophysical Research: Oceans*. **10**: 7030–7045.