DAFTAR PUSTAKA

Adhar, S., Rusydi, R., Mainisa, M., Erlangga, E., Khalil, M., & Ayuzar, E. 2020. Analisa limbah fosfor kegiatan keramba jaring apung di danau laut tawar Aceh Tengah. *Serambi Engineering*, *6* (3), 2024-2032.

Adhar, S., Khalil, M., Erlangga, Muliani, Rusydi, R., Mainisa, Imanullah, & Andika, Y. 2023. Model of nitrogen-phosphorus ratio and phytoplankton relationship in Lake Laut Tawar, Indonesia. *Depik Jurnal Ilmu-Ilmu Perairan, Pesisir dan Perikanan*, 12(3), 274–283.

Annisak, F., Zainuri, H. S. & Fadillah, S., 2024. Peran uji hipotesis penelitian perbandingan menggunakan statistika non parametrik dalam penelitian. *Al Ittihadu,* III(1), pp. 105-116.

APHA (American public health association). 1989. Standard method for the examinition of water and waste water. American public health association. Water pollution control fenderatio. Port city press. Baltimore. Maryland. 1202 p.

Augusta, S. & Utami, E., 2014. Analisis Hubungan Kualitas Air Terhadap Komunitas Zooplankton dan Ikan di Danau Hanjalutung. *Jurnal Ilmu Hewani Tropik,* vol 3.

Barus, T.A., S. Sinaga., & T. Rosalina. 2008. Produktivitas Primer Fitoplankton dan Hubungan dengan Faktor Fisika Kimia di Perairan Parapat, Danau Toba. *Jurnal Biologi Sumatera*, 3(1) : 11-16.

Bertani, Ilaria., Thackeray, Stephen J., Carey, Cayelan C., & Anneville, Orlane. 2024. *Daily dynamics of phytoplankton assemblages in freshwater ecosystems: Drivers, patterns and ecological implications*. Limnologica, 104, 126034.

Biamont, Ivan Edward., & Alfaro-Tapia, Herminio René. 2024. *Diel dynamics and environmental influences on phytoplankton communities in an Andean lagoon: implications for management and conservation*. Acta Limnologica Brasiliensia, 36, e44.

Borges, Henrique L., Branco, Cristiano W. C., & Kozlowsky-Suzuki, Beatriz. 2023. *Environmental drivers and ecological stability of phytoplankton communities in freshwater ecosystems*. Aquatic Ecology, 57, 789–805.

Dzakwan, Zafron A, Endrawati H, dan Ario R. 2023. *Analisis Konsentrasi Nitrat dan Fosfat terhadap Kelimpahan Fitoplankton di Perairan Sengkarang Pekalongan*. Journal of Marine Research, 12(4), 571–578.

Evans, Kate A., McMeans, Bailey C., McDonald, Robert A., & Smith, Emily A. 2024. *Mixing-driven changes in distributions and abundances of planktonic microorganisms in a large, oligotrophic lake*. Limnology and Oceanography, 69, 1234–1248.

Fauzia, S. R., & Suseno, S. H. 2020. Resirkulasi air untuk optimalisasi kualitas air budidaya ikan nila Nirwana (*Oreochromis niloticus*) (Water recirculation for optimization the water quality of tilapia (*Oreochromis niloticus*) cultivation). *Jurnal Kelautan dan Perikanan Terapan* , *2*(5), 887–892.

Goldman, C.R., & Horne, A.J. 1983. *Limnology*. McGraw-Hill, New York.

Gurning, L.F.P., Ria A.T.N. & Suryono. 2020. Kelimpahan Fitoplankton Penyebab Harmful Algal Bloom di Perairan Desa Bedono, Demak. *Journal Of Marine Research*, 9 (3), 251-260.

Harke, Matthew J., Steffen, Matthew M., Gobler, Christopher J., Otten, Timothy G., Wilhelm, Steven W., & Wood, Susanna A. 2023. *A review of the global ecology, genomics, and biogeography of cyanobacterial harmful algal blooms*. Harmful Algae, 121, 102361.

Hasani, Q., Adiwilaga, E.M., & Pratiwi, N.T.M. 2012. The relationship between the Harmful Algal Blooms (HABs) phenomenon with nutrients at shrimp farms and fish cage culture sites in.

Hastuti, M., Nugraha, W., dan Suryono, T. 2023. Distribusi vertikal fitoplankton pada ekosistem danau tropis Indonesia. *Limnotek: Perairan Darat Tropis di Indonesia*, 29 (1).

Hoya, A. L. 2021. Analisis kadar nutrient (phosphor dan nitrogen) pada perairan. *Jurnal Ilmiah/Prosiding terkait*, *Volume*(Isu), Halaman. [1]

Huisman, Jef., Codd, Geoffrey A., Paerl, Hans W., Ibelings, Bas W., Verspagen, Jolanda M. H., & Visser, Petra M. 2023. *Cyanobacterial blooms*. Nature Reviews Microbiology, 21, 123–137.

Indrayani, E., Nitimulyo, K. H., Hadisusanto, S., & Rustadi. 2015. Analisis kandungan nitrogen, fosfor, dan karbon organik di Danau Sentani - Papua (Analysis of nitrogen, phosphor, and organic carbon content at Lake Sentani-Papua). *J. Manusia dan Lingkungan*, *22*(2), 217-225.

Jabnabillah, F., & Margina, N. 2022. Analisis Korelasi Pearson Dalam Menentukan Hubungan Antara Motivasi Belajar Dengan Kemandirian Belajar Pada Pembelajaran Daring. *Jurnal Sintak*, 1(1), halaman.

Li, Jing., Zhang, Yun., Wang, Lei., Liu, Ming., & Chen, Fang. 2024. *Nutrient availability and ecological resilience regulate phytoplankton diversity and community stability in freshwater lakes*. Science of the Total Environment, 912, 168789.ariya, U. 2017. *Pengaruh Penjualan Secara Online Terhadap Keputusan Pembelian (Studi kasus Mahasiswa Universitas 17 Agustus 1945)*.

Mai, Sijie., He, Yuxiao., Li, Weiguo., & Zhao, Tongqian. 2023. *Effects of environmental factors on vertical distribution of the eukaryotic plankton community in early summer in Danjiangkou Reservoir, China*. Frontiers in Ecology and Evolution, 11, 1324932.

Marlenny Sirait, F. R. P. P., 2018. Komparasi Indeks Keanekaragaman dan Indeks dominansi fitoplankton di sungai ciliwung jakarta. *indonesian journal of marine science and technology,* 11.

Mantzouki, Eleni., Visser, Peter M., Bormans, Myriam., & Ibelings, Bas W. 2024. *Nutrient enrichment, environmental change and phytoplankton community dominance in freshwater ecosystems*. Water Research, 251, 121084.

Matsuzaki, Shin-ichiro S., Suzuki, Kenji., & Nakagawa, Masami. 2024. *Vertical mixing and environmental heterogeneity shape phytoplankton diversity and community structure in freshwater lakes*. Freshwater Biology, 69, 1125–1140.

Muchlisin Z.A 2018. Ikan Air Tawar di Nanggroe Aceh Darussalam dan Kawasan Ekosistem Leuser. Universitas Syiah Kuala – University Sains Malaysia - Paneco

Muhtadi, A. 2017. Produktivitas Primer Perairan. Student Paper. Pascasarjana IPB University.

Muhtadi, A., Pulungan ,A., Nurmaiyah, Fadlhin, A., Melati, P., Sinaga, R.Z., Uliya, R., Rizki, M., Rohim,N., Ifanda, D., Leidonald, R., Wahyuningsih, H., Hasani, Q. 2020. The dynamics of the plankton community on Lake Siombak, a tropical tidal lake in North Sumatra, Indonesia. *Biodiversitas*, 21 (8).

Nugroho, A., Kurniawan, D., dan Yuliana, E. 2023. Dinamika komunitas fitoplankton pada ekosistem perairan tropis. *Jurnal Akuatika Indonesia*.

Odum, E. P. 1993. *Dasar-Dasar Ekologi* (Ed. 3, hlm. 10–20) (T. Samingan, Penerjemah). Yogyakarta: Gadjah Mada University Press.

Odum, EP. 1971. Fundamental of Ecology. Third Edition Saunders College Publishing. Rinehart and Winston. 486 p.

Paerl, H.W., & Otten, T.G. 2013. Harmful cyanobacterial blooms: causes, consequences, and controls. *Microbial Ecology*, 65(4), 995–1010.

Paerl, H.W., Scott, J.T., McCarthy, M.J., 2016. It takes two to tango: when and where dual nutrient reduction is needed to protect lakes and downstream ecosystems. *Environmental Science and Technology*, 50(20), 10805–10813.

Padisak, Judit., Vasas, Gábor., Borics, Gábor., & B-Béres, Viktória. 2023. *Phytoplankton functional groups and their ecological role in assessing freshwater ecosystem variability*. Hydrobiologia, 850, 1–18.

Priyambodo, A., dan Santiari, N. 2025. Keanekaragaman fitoplankton sebagai bioindikator kualitas perairan. *Jurnal Perikanan Indonesia*.

Pratiwi, D. Y. 2020. Dampak pencemaran logam berat (timbal, tembaga, merkuri, kadmium, krom) terhadap organisme perairan dan kesehatan manusia. *Jurnal Akuatek*, *1*(1), 59-65.

Rahman, A., Ismail, M., & Kurniawan, F. 2023. Variasi harian komunitas fitoplankton pada waduk tropis. *Jurnal Perikanan dan Kelautan Indonesia*.

Reynolds, C. S. 2023. Phytoplankton ecology and community structure in inland waters. *Freshwater Reviews*.

Reynolds, C.S. 2006. *The Ecology of Phytoplankton*. Cambridge University Press.

Round, F.E., Crawford, R.M., & Mann, D.G. 1990. *The Diatoms: Biology and Morphology of the Genera*. Cambridge University Press.

Risamasu, F. J. L & Prayitno ,H. B. 2011. Kajian Zat Hara Fosfat, Nitrit, Nitrat, dan Silikat di Perairan Kepulauan Matasiri, Kalimantan Selatan. *Jurnal Ilmu Kelautan September* 2011 XVI (3): 135-142.

Salma, 2022. Penelitian Komparatif: Pengertian, Cara Menyusun Contoh Lengkap.

Sani, Febriana I, Sunaryani A, & Utami R. 2024. *Identifikasi Kualitas Air dan Pencemaran Nutrien di Danau Batur dari Parameter Total Fosfat dan Total Nitrogen*. Jurnal Teknologi Lingkungan, 25(2), 161–174.

Setiawati, M., Kamal, S. & Amin, N., 2022. Analisis Faktor Fisik-Kimia Habitat Ikan Depik (Rasbora tawarensis) di Danau Laut Tawar. *Prosiding Seminar Nasional Biologi Biotik,* VII(2), pp. 47-52.

Setiawan, A. 2019. *Ikan-ikan air tawar Sembilang Dangku*. [ISBN: 978-623-92487-1-0]. Perpustakaan Nasional RI: Katalog dalam terbitan (KDT).

Shannon, C. E., & Weaver, W. 1949. The mathematical theory of communication., (The University of Illinois Press: Urbana, IL, USA).

Sinaga, E. L. R., Muhtadi, A., & Bakti, D. 2016. Profil Suhu, Oksigen Terlarut, dan pH Secara Vertikal Selama 24 Jam di Danau Kelapa Gading Kabupaten Asahan Sumatera Utara. Omni-Akuatika, 12(2).

Sirait, J., Sipahutar, Y. H., Yuniarti, T., Maulani, A., & Bertiantono, A. 2018. Komposisi kimia ikan gulamah (*Pseudocienna amovensis*) asin kering dengan perbedaan kadar garam. *Jurnal Kelautan dan Perikanan Terapan*, *5*(1), 39–46.

Sulasteri., Apriadi, T., & Melani, W. R. 2021. Tingkat Kesuburan Perairan Desa Mantang Baru, Kecamatan Mantang, Kabupaten Bintan. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*, *15*(2), 100105.

Suwanti, 2019. Studi Prevalensi dan Intensitas Ektoparasit pada Beberapa Jenis Ikan Air Tawar di Balai Benih Ikan Sentral (BBIS) Noekele, Nusa Tenggara Timur, *J. Akuatik*, vol. 2, no. 2, pp. 81–88.

Suryono, T., Haryani, G. S., dan Lukman, L. 2024. Struktur komunitas fitoplankton sebagai bioindikator kualitas perairan danau Indonesia. *Jurnal Limnologi Indonesia*.

Smith, V.H. 2003. Eutrophication of freshwater and coastal marine ecosystems: a global problem. *Environmental Science and Pollution Research*, 10(2), 126–139.

Tan, Lu., Wang, Lan., & Cai, Qinghua. 2024. *Daily process and key characteristics of phytoplankton bloom during a low-water level period in a large subtropical reservoir bay*. Frontiers in Plant Science, 15, 1390019.

Trismara, B. K. B., Rahman, A., & Jati, O. E. 2025. Plankton Community Dynamics Based on Vertical Gradients and Transparency in Lake Rawa Pening. *Acta Aquatica: Aquatic Sciences Journal*, 12(3).

Utami, R., Supriyantini, E., dan Widowati, I. 2024. Struktur komunitas fitoplankton sebagai indikator kualitas perairan danau tropis di Indonesia. *Jurnal Ilmu Kelautan Indonesia*.

Wantasen, Sofia, Sudarmadji, Sugiharto E, & Suprayogi S. 2023. *Dampak Transformasi Nitrogen terhadap Lingkungan Biotik di Danau Tondano Provinsi Sulawesi Utara*. Jurnal Manusia dan Lingkungan, 24(2), 75–81.

Wetzel, R.G. 2001. *Limnology: Lake and River Ecosystems*. Academic Press.

Wang, Meng., Zhang, Yan., Chen, Xiaoyan., Li, Jing., & Liu, Yang. 2023. *Effects of nutrient enrichment and environmental variables on phytoplankton community structure and diversity in freshwater ecosystems*. Environmental Research, 229, 115982.

Widodo, P., Hastuti, M., dan Rahman, A. 2024. Pengaruh stratifikasi perairan terhadap distribusi fitoplankton di danau tropis. *Jurnal Sumberdaya Akuatik Indonesia*, Vol. 8, No. 2, hlm. 125-135.

Yang, Yang., Li, Xiaohui., Zhang, Min., Wang, Jian., & Liu, Wei. 2024. *Nutrient stoichiometry and hydrodynamic conditions regulate phytoplankton community dominance and succession in freshwater ecosystems*. Water Research, 255, 121534.

Zellatifanny, C. M. & Mudjiyanto, B., 2018. Tipe penelitian deskripsi dalam ilmu komunikasi. *Media Dan Komunikasi,* I(2), pp. 83-90.

Zhang, Yuhan., Li, Xin., Wang, Hao., Liu, Guangyi., & Chen, Xiaofeng. 2024. *Environmental factors driving phytoplankton community assembly and species evenness in freshwater lake ecosystems*. Ecological Indicators, 154, 110723.

Zulapriansyah, Rizki, Supraba I, dan Azis M, M . 2022. *Kajian Pengaruh Lapisan Media pada Non-Vegetated Swale sebagai Filter Larutan Pupuk NPK*. Jurnal Sains & Teknologi Lingkungan, 14(2).

Zhou, Qi., Zhang, Lei., Huang, Jia., Xu, Dong., & Chen, Ning. 2024. *Environmental drivers of phytoplankton diversity and community assembly in freshwater lakes: The role of nutrient stoichiometry*. Ecological Indicators, 158, 111482.