

## DAFTAR PUSTAKA

- Ahmad, A., El-Shafie, A., Razali, S.F.M. and Mohamad, Z.S. 2014. Reservoir optimization in water resources: a review. *Water resources management*, 28: 3391-3405.
- Amelia, C.D., Hasan, Z. and Mulyani, Y. 2012. Distribusi spasial komunitas plankton sebagai bioindikator kualitas perairan di Situ Bagendit Kecamatan Banyuresmi, Kabupaten Garut, Provinsi Jawa Barat. *Jurnal Perikanan Kelautan*, 3(4): 301-311.
- Anas, M.H., Japa, L. and Khairuddin, K. 2022. Phytoplankton community as a bioindicator for water quality of Sumi Dam, Bima Regency. *Jurnal Biologi Tropis*, 22(1): 244-250.
- Andersen, I.M., Williamson, T.J., González, M.J. and Vanni, M.J. 2020. Nitrate, ammonium, and phosphorus drive seasonal nutrient limitation of chlorophytes, cyanobacteria, and diatoms in a hyper-eutrophic reservoir. *Limnology and Oceanography*, 65(5): 962-978.
- Anwar, I.P., Putri, M.R., Setiawan, A., Tarya, A., Mandang, I., Nurfitri, S. and Purnaningtyas, D.W. 2024. Assessment of phytoplankton community and diversity dynamics on the neap tide in Balikpapan Bay, East Kalimantan, Indonesia. *Polish Journal of Environmental Studies*, 33(1):77-88.
- Arhonditsis, G., Brett, M.T. and Frodge, J. 2003. Environmental control and limnological impacts of a large recurrent spring bloom in Lake Washington, USA. *Environmental Management*, 31(5): 603-618.
- Ariasari, A., Helmiati, S. and Setyobudi, E. 2018. Food preference of red devil (*Amphiprophus labiatus*) in the Sermo Reservoir, Kulon Progo Regency. In *IOP Conference Series: Earth and Environmental Science*, 139(1): 012018.
- Aryawati, R. and Thoha, H. 2011. Hubungan kandungan klorofil-a dan kelimpahan fitoplankton di Perairan Berau Kalimantan Timur. *Maspari Journal: Marine Science Research*, 2(1): 89-94.
- Asma'Jamal, F.M.Y., Banerjee, S. and Shariff, M. 2014. Littoral and limnetic phytoplankton distribution and biodiversity in a tropical man-made lake, Malaysia. *Advanced Studies in Biology*, 6(4): 149-168.
- Bellinger, E.G. & Sigeo, D.C. 2015. *Freshwater algae: identification, enumeration and use as bioindicators*. John Wiley & Sons. John Wiley & Sons, Ltd. UK.
- Bouvy, M., Nascimento, S.M., Molica, R.J., Ferreira, A., Huszar, V. and Azevedo, S.M. 2003. Limnological features in Tapacurá Reservoir (Northeast Brazil) during a severe drought. *Hydrobiologia*, 493: 115-130.
- Boyd, C.E. 1990. *Water Quality in Pond for Aquaculture*. Alabama Aquacultural Experiment Station, Auburn University. Alabama.

- BRPSDI [Balai Riset Pemulihan Sumber Daya Ikan]. 2019. Riset teknologi mitigasi dan pengendalian spesies asing invasif cichlid: studi kasus Waduk Sermo, Daerah Istimewa Yogyakarta. Laporan Teknis. Balai Riset Pemulihan Sumber Daya Ikan, Kementerian Kelautan dan Perikanan.
- Calijuri, M.D.C., Dos Santos, A.C.A. and Jati, S. 2002. Temporal changes in the phytoplankton community structure in a tropical and eutrophic reservoir (Barra Bonita, SP—Brazil). *Journal of Plankton Research*, 24(7): 617-634.
- Dewi, L.S. 2019. Identifikasi sumber nutrisi dan jenis alga di perairan Waduk Sermo Kulon Progo. *Tesis*, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Dewi, L.S., Supraba, I. and Kamulyan, B. 2020. Penentuan status mutu air Waduk Sermo dengan metode storet dan indeks pencemaran. *Jurnal Sains & Teknologi Lingkungan*, 12(1): 12-24.
- Dimenta, R.H., Agustina, R., Machrizal, R. and Khairul, K. 2020. Kualitas Sungai Bilah berdasarkan biodiversitas fitoplankton Kabupaten Labuhanbatu, Sumatera Utara. *Jurnal Ilmu Alam dan Lingkungan*, 11(2): 24-33.
- Djohan, T.S. and Azmi, A.B.U. 2020. Kemelimpahan fitoplankton di perairan Estuari Payau Bondan Cilacap, Jawa Tengah. *Jurnal Manusia dan Lingkungan*, 27(1): 1-6.
- Dwirastina, M. and Makri, M. 2015. Distribusi spasial terhadap kelimpahan, biomassa fitoplankton dan keterkaitannya dengan kesuburan perairan di Sungai Rokan, Provinsi Riau. *Limnotek: perairan darat tropis di Indonesia*, 21(2): 115-124.
- Fitriadi, R., Pratiwi, N.T.M. and Kurnia, R., 2021. Komunitas fitoplankton dan konsentrasi nutrisi di Waduk Jatigede. *Jurnal Ilmu Pertanian Indonesia*, 26(1): 143-150.
- Geider, R.J. 1987. Light and temperature dependence of the carbon to chlorophyll a ratio in microalgae and cyanobacteria: implications for physiology and growth of phytoplankton. *New Phytologist*, 106: 1-34.
- Ger, K.A., Naus-Wiezer, S., De Meester, L. and Lüring, M. 2019. Zooplankton grazing selectivity regulates herbivory and dominance of toxic phytoplankton over multiple prey generations. *Limnology and Oceanography*, 64(3): 1214-1227.
- Häder, D.P. and Liu, S.M. 1991. Biochemical isolation and spectroscopic characterization of possible photoreceptor pigments for phototaxis in a freshwater Peridinium. *Photochemistry and photobiology*, 54(1): 143-146.
- Hadiningrum, V. D. 2018. Kandungan klorofil-a fitoplankton di perairan Laguna Pengklik, Kabupaten Bantul, Daerah Istimewa Yogyakarta. *Jurnal Prodi Biologi*, 7(3): 165-178.
- Horne, A. J. and Goldman, C.R. 1983. *Limnology*. McGraw-Hill, Inc. New York.
- Indrayani, E., Nitimulyo, K.H., Hadisusanto, S. and Rustadi, R. 2015. Analisis kandungan nitrogen, fosfor dan karbon organik di Danau Sentani-Papua

- (Analysis of nitrogen, phosphor and organic carbon content at Lake Sentani-Papua). *Jurnal Manusia dan Lingkungan*, 22(2): 217-225.
- Jeffrey, S.W. and Humphrey, G.F. 1975. New spectrophotometric equations for determining chlorophylls a, b, c1 and c2 in higher plants, algae and natural phytoplankton. *Biochemie und Physiologie der Pflanzen*, 167: 191–194.
- Kurniawan, A. 2011. Pendugaan status pencemaran air dengan plankton sebagai bioindikator di pantai Kabupaten Banyuwangi Jawa Timur. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*, 4(1): 18-23.
- Krebs, C. J. 1999. *Ecological Methodology* 2nd edition. Addison-Welsey Educational Publishers Inc. California.
- Landner. 1978. *Eutrofication of lakes: causes effects and means for control with emphasis on lake rehabilitation*. World Health Organization.
- Lee, R.E. 2008. *Phycology*. Cambridge University Press, New York.
- Lehman, P.W., Teh, S.J., Boyer, G.L., Nobriga, M.L., Bass, E. and Hogle, C. 2010. Initial impacts of *Microcystis aeruginosa* blooms on the aquatic food web in the San Francisco Estuary. *Hydrobiologia*, 6: 229-248.
- Machado, K.B., Bini, L.M., Melo, A.S., Andrade, A.T.D., Almeida, M.F.D., Carvalho, P., Teresa, F.B., Roque, F.D.O., Bortolini, J.C., Padial, A.A. and Vieira, L.C.G. 2023. Functional and taxonomic diversities are better early indicators of eutrophication than composition of freshwater phytoplankton. *Hydrobiologia*, 850(6): 1393-1411.
- Mardani, R. and Sudarsono, S., 2016. Struktur komunitas plankton di Waduk Pandandure, Nusa Tenggara Barat. *Kingdom (The Journal of Biological Studies)*, 5(5): 20-29.
- Marzetz, V., Spijkerman, E, Striebel, M. and Wacker, A. 2020. Phytoplankton community responses to interactions between light intensity, light variations, and phosphorus supply. *Frontiers in Environmental Science*, 8(539733): 1-11.
- Mawarni, A., Azizah, F.N.N., Sartika, H.W., Hadisusanto, S., Putri, D.M. and Reza, A. 2020. Community of phytoplankton in peatland canal, Riau, and wet dune slacks of Parangtritis, Yogyakarta, Indonesia. *Biodiversitas Journal of Biological Diversity*, 21(5): 1874-1879.
- Meng, F., Li, Z., Li, L., Lu, F., Liu, Y., Lu, X. and Fan, Y. 2020. Phytoplankton alpha diversity indices response the trophic state variation in hydrologically connected aquatic habitats in the Harbin Section of the Songhua River. *Scientific Reports*, 10(1): 21337.
- Mikawa, M., Sugimoto, K., Amano, Y., Machida, M. and Imazeki, F. 2016. Competitive growth characteristics between *Microcystis aeruginosa* and *Cyclotella* sp. accompanying changes in river water inflow and their simulation model. *Phycological Research*, 64(3): 123-132.
- Molisani, M.M., de Sousa Barroso, H., Becker, H., Moreira, M.O.P., Hijo, C.A.G., do Monte, T.M. and Vasconcellos, G.H. 2010. Trophic state, phytoplankton

- assemblages and limnological diagnosis of the Castanhão Reservoir, CE, Brazil. *Acta Limnologica Brasiliensia*, 22(1): 1-12.
- Mueller, D., and D. H. Ellenberg. 1974. *Aims and Methods of Vegetation Ecology*. Willey. New York.
- Munthe, Y.V., Aryawati, R., and Isnaini. 2012. Struktur komunitas dan sebaran fitoplankton di perairan sungsang Sumatera Selatan. *Maspari Journal: Marine Science Research*, 4(1): 122-130.
- Murulidhar, V.N. and Murthy, V.Y. 2015. Ecology, distribution and diversity of phytoplankton of Teetha Wetland in Tumakuru District, Karnataka, India. *Ecology*, 5(9): 112-120.
- Notohadiprawiro, T., Drajad, M., Sukodarmodjo, S. and Drajad, M. 2006. Beberapa fakta dan angka tentang lingkungan fisik Waduk Wonogiri dan kepentingannya sebagai dasar pengelolaan. Lokakarya Pengembangan dan Pelestarian Wilayah Waduk Wonogiri. Tawangmangu.
- Nugroho, L.A.B. and Ni'am, M.F. 2017. Analisa kelayakan ekonomi Bendungan Randugunting studi kasus: Kabupaten Blora. In *Prosiding Seminar Nasional Inovasi dalam Pengembangan SmartCity*, 1(1): 221-229.
- Nurmalitasari, M. and Sudarsono, S., 2023. Keanekaragaman plankton dan tingkat produktivitas primer antara dua musim di perairan Kabupaten Bantul. *Kingdom (The Journal of Biological Studies)*, 9(1): 16-34.
- Odum E, P. 1993. *Dasar-dasar ekologi*. Ed ke-3. Samingan T, penerjemah. Gadjah Mada University Press. Yogyakarta.
- Owino, O.A. and Merceline, A. 2023. Invasive species and their impacts on the ecology of Lake Victoria: a rapid review. *PAN AFRICA SCIENCE JOURNAL*, 3(02).
- Pikosz, M. & Messyasz, B. 2015. Composition and seasonal changes in filamentous algae in floating mats. *Oceanological and Hydrobiological Studies*, 44(2): 273-281.
- Rahmah, N., Zulfikar, A. and Apriadi, T. 2022. Kelimpahan fitoplankton dan kaitannya dengan beberapa parameter lingkungan perairan di Estuari Sei Carang Kota Tanjungpinang. *Journal of Marine Research*, 11(2): 189-200.
- Rahman KN, A., Ratnasari, D. and Pertiwi, J. 2022. Pengaruh nutrien antropogenik terhadap kandungan klorofil-a sebagai bioindikator kualitas perairan Situ Cipondoh. *OLDI (Oseanologi dan Limnologi di Indonesia)*, 7(2): 101-116.
- Rodríguez-Gómez, C.F., Vázquez, G., Aké-Castillo, J.A., Band-Schmidt, C.J. and Moreno-Casasola, P. 2019. Physicochemical factors related to *Peridinium quadridentatum* (F. Stein) Hansen (Dinophyceae) blooms and their effect on phytoplankton in Veracruz, Mexico. *Estuarine, Coastal and Shelf Science*, 230: 106412.
- Ronauli, E.C., Pertiwi, N.T.M. and Effendi, H. 2022. Keanekaragaman fitoplankton dan bioindikator pencemaran di perairan Pesisir Bojonegara, Teluk Banten, Indonesia. *Biospecies*, 15(1): 64-77.

- Salem, T., 2011. Variation of water quality and phytoplankton along different zones of Aswan High Dam Reservoir. *Egyptian Journal of Aquatic Biology and Fisheries*, 15(2): 87-104.
- Salimah, S., Amintarti, S. and Ajizah, A. 2023. Kajian keragaman mikroalga di kawasan Rawa Komplek Persada Permai Baru III sebagai booklet pada materi protista kelas X SMA. *JISIP (Jurnal Ilmu Sosial dan Pendidikan)*, 7(1): 155-169.
- Sasminto, R.A. and Tunggul, A. 2014. Analisis spasial penentuan iklim menurut klasifikasi Schmidt-Ferguson dan Oldeman di Kabupaten Ponorogo. *Jurnal Sumberdaya Alam dan Lingkungan*, 1(1): 51-56.
- Siagian, M., 2012. Jenis dan Keanekaragaman Fitoplankton Di Waduk PLTA Koto Panjang, Kampar, Riau. *Bumi Lestari*, 12(1): 99-105.
- Soegianto, I.A. 2019. *Ekologi perairan tawar*. Airlangga University Press.
- Soeprbowati, T.R., Tandjung, S.D., Sutikno, S., Hadisusanto, S., Gell, P., Hadiyanto, H. and Suedy, S.W.A. 2016. The water quality parameters controlling diatoms assemblage in Rawapening Lake, Indonesia. *Biodiversitas Journal of Biological Diversity*, 17(2):657-664.
- Soliha, E., Rahayu, S. Y. S., & Triasti N. N. 2016. Kualitas air dan keanekaragaman plankton di Danau Cikaret, Cibinong, Bogor. *Jurnal Ekologia*, 16 (2): 1-10.
- Song, A.N. and Banyo, Y., 2011. Konsentrasi klorofil daun sebagai indikator kekurangan air pada tanaman. *Jurnal ilmiah sains*, 11(2): 166-173.
- Sulawesty, F., Yoga, G.P., Subehi, L. and Rosidah, R. 2021. Phytoplankton community structure in Menjer Lake, Central Java. *In IOP Conference Series: Earth and Environmental Science*, 869(1): 012037.
- Suryandari, A. and Hediarto, D.A. 2021. Fish community structure in Sermo Reservoir, Yogyakarta, Indonesia: Initial study on invasive fish species. *In IOP Conference Series: Earth and Environmental Science*, 744(1): 012086.
- Suthers, I. M. and Rissik, D. 2009. *Plankton (A Guide to Their Ecology and Monitoring for Water Quality)*. CSIRO Publishing. Australia.
- Wetzel, R. G. 2001. *Limnology: Lake and River Ecosystems*. 3rd ed. Elsevier. California.
- Xiao, L.J., Hu, R., Peng, L., Lei, L.M., Feng, Y. and Han, B.P. 2016. Dissimilarity of phytoplankton assemblages in two connected tropical reservoirs: effects of water transportation and environmental filtering. *Hydrobiologia*, 764: 127-138.
- Zulfiah, N. and Aisyah, A. 2016. Status trofik perairan Rawa Pening ditinjau dari kandungan unsur hara (NO<sub>3</sub> dan PO<sub>4</sub>) serta klorofil-a. *Bawal Widya Riset Perikanan Tangkap*, 5(3): 189-199.