

## REFERENCES

- Abraham, J.S., Somasundaram, S., Naqvi, I., Maurya, S., Toteja, R., & Makhija, S. (2020). Faunistic Study on the Freshwater Ciliates from Delhi, India.
- Afihandarin, D. (2012). Keanekaragaman Komunitas Plankton di Telaga Saragan dan Telaga Wahyu Kabupaten Magetan Provinsi Jawa Timur. *Skripsi*.
- Aisoi, Leonardo E. (2019). Kelimpahan dan Keanekaragaman Fitoplankton di Perairan Pesisir Holtekamp Kota Jayapura. *Jurnal Biosilampari*, Vol. 2(1), Pages 6-15.
- Alfonso, M.B., Zunino, J., & Piccolo, M.C. (2017). Impact of Water Input on Plankton Temporal Dynamics from a Managed Shallow Saline Lake. *International Journal of Limnology* Vol. 53, Pages 391-400.
- Aliu, M., Hajdini, S., & Hajrizi, F. (2022). Assessment of Water Quality Index in The River Iber. *Journal of Chemical Technology and Metallurgy*, 57(4): 780–786.
- Al-Mayaly, I.K., Issa, A.A., & Ismail, A.M. (2012). Using of *Chroococcus* sp. to Treat Polluted Water with Cadmium and Nickel. *Journal of Advanced Laboratory Research in Biology* Vol. 3, Issue 3.
- Alp, M.T., Ozbay, O., & Sungur, M.A. (2012). Determination of Heavy Metals in Sediment and Macroalgae on the Mersin Coast. *Ekoloji* (82): 47 - 55.
- Amjadi, T., Razeghi, J., Motafakkerazad, R., & Zareipour, R. (2024). Interaction between *Haematococcus pluvialis* Microalgae and Lead Nitrate: Lead Adsorption from Water. *International Journal of Phytoremediation* 26(7): 1168-1179.
- Andersson, A., Samuelsson, G., & Hagstrom, A. (1989). Nutritional Characteristics of a Mixotrophic Nanoflagellate, *Ochromonas* sp. *Microbial Ecology* Vol. 17, Pages 251 - 262.
- Andrew, J., & Schindler, D.W. (2011). Regulation of Rotifers by Predatory Calanoid Copepods (Subgenus *Hesperodiaptomus*) in Lakes of the Canadian Rocky Mountains. *Canadian Journal of Fisheries and Aquatic Sciences* 51(11): 2520-2528.
- Aoki, I. (2012). 6 - Ecological Communities. *Entropy Principle for the Development of Complex Biotic Systems*, Pages 63 - 71.

- APHA. (2005). *Standard Method for the Examination of Water and Wastewater 21st Edition*. Washington DC: American Public Health.
- Apriansyah, Safitri, I., Afdal., & Arsad, S (2021). Microalgae Community as Aquatic Quality Bioindicator in Peniti Estuary West Kalimantan. *Indonesian Journal of Fisheries Science and Technology*, Vol. 17, No. 1: 65 - 73.
- Arias, D.M., Garcia, J., & Uggetti, E. (2020). Production of Polymers by Cyanobacteria Grown in Wastewater: Current Status, Challenges and Future Perspectives. *New Biotechnology* Vol. 55, Pages 46 – 57.
- Arinardi, O.H., Trimaningsih., & Sudirjo. (1997). *Kisaran Kelimpahan dan Komposisi Plankton Predominan Di Kawasan Timur Indonesia*. Pusat Penelitian dan Pengembangan Oseanografi-LIPI. Jakarta. 139 Halaman.
- Arthana, I.W. (2011). The Characteristics of Water Quality at Batur Lake, Kintamani District, Bali Province. *Jurnal Bumi Lestari*, Vol. 11, No. 1.
- Arumugham, S., Joseph, S.J.P., Gopinath, P.M., Nooruddin, T., & Subramani N. (2023). Diversity and Ecology of Freshwater Diatoms as Pollution Indicators from the Freshwater Ponds of Kanyakumari District, Tamilnadu. *Energy Nexus*, Vol. 9.
- Badan Pusat Statistik Kabupaten Bangli. (2020). *Hasil Long Form Sensus Penduduk 2020 Kabupaten Bangli*. Accessed on 19<sup>th</sup> January 2024 from: <https://banglikab.bps.go.id/subject/12/kependudukan.html#subjekViewTab4>
- Badan Pusat Statistik Provinsi Bali. (2018). *Latitude of Capital Cities, Name, and Width of Lakes in Bali Province*. Accessed on 10<sup>th</sup> September 2023 from: <https://bali.bps.go.id/statictable/2018/04/10/48/ketinggian-ibu-kota-kabupaten-nama-dan-luas-danau-di-provinsi-bali.html>
- Badan Pusat Statistik Provinsi Bali. (2022). *Produksi Perikanan Menurut Kabupaten/Kota di Provinsi Bali (Ton) 2020-2022*. Accessed on 25<sup>th</sup> September 2023 from: <https://bali.bps.go.id/indicator/56/234/1/produksi-perikanan-menurut-kabupaten-kota-di-provinsi-bali.html>
- Barus, T. A. (2002). *Pengantar Limnologi Studi Tentang Ekosistem Air Daratan*. Medan: USU Press.

- Beaugrand, G., Brander, K.M., Lindley, J.A., Souissi, S., & Reid, P.C. (2003). Plankton Effect on Cod Recruitment in the North Sea. *Nature* Vol. 426, Issue 6967, Pages 661-664.
- Bicudo, C.E.M., & Menezes, M. (2016). Phylogeny and Classification of Euglenophyceae: A Brief Review. *Frontiers in Ecology and Evolution*.
- Bledzki, L.A., & Rybak, J.I. (2016). Introduction to Cladocera. *Freshwater Crustacean Zooplankton of Europe*, Pages 91-93.
- Bock, C., Olefeld, J.L., Vogt, J.C., Albach, D.C., & Jens. (2022). Phylogenetic and Functional Diversity of Chrysophyceae in Inland Waters. *Organisms Diversity and Evolution* Vol. 22, Pages 327 - 341.
- Boechat, L.G., & Adrian, R. (2006). Evidence for Biochemical Limitation of Population Growth and Reproduction of the Rotifer *Keratella quadrata* Fed with Freshwater Protist. *Journal of Plankton Research*, Vol. 28, Issue 11, Pages 1027-1038.
- Bold, H.C., & Wynne, M.J. (1985). *Introduction to the Algae*. Practice Hall. USA.
- Bonilla, S., Aguilera, A., Aubriot, L., Vera, L., Huszar, M., Almanza, V., Haakonsson, S., Izaguirre, I., O'Farrell, I., Salazar, A., Becker, V., Cremella, B., Ferragut, C., Hernández, E., Hilda, Luzia, P., Rodrigues, C., Helena, L., Silva, S., Maria, L, J S., B., O., Santos., Somma, A., Andrea, L., Ortega., Antoniades, D. (2023). Nutrients and not temperature are the key drivers for cyanobacterial biomass in the Americas.. *Harmful Algae*, 121: 102367
- Borrego-Ramos, M., Becares, E., & Garcia, P. (2021). Epiphytic Diatom-Based Biomonitoring in Mediterranean Ponds: Traditional Microscopy versus Metabarcoding Approaches. *Water* 13(10): 1351.
- Bott, T.L. (1996). *Algal Ecology: 18-Algae in Microscopic Food Webs*. Academic Press.
- Boxshall, G.A., & Defaye, D. (2008). Global Diversity of Copepods (Crustacea: Copepoda) in Freshwater. *Freshwater Animal Diversity Assessment* Vol. 595, Pages 195 – 207.
- Boyd, C. E., & Tucker, C. S. (1998). *Sustainable Aquaculture in Ponds*. Auburn University.
- Bravo, I., & Figueroa, R.I. (2014). Towards an Ecological Understanding of Dinoflagellate Cyst Functions. *Microorganisms* 2(1), Pages 11 – 32.
- Bryan, M., Spears., David, P., Hamilton., Yang, Pan., Chu, Zhaosheng., Linda, May. (2021).

- Lake management: Is Prevention Better Than Cure? *Inland Waters*, 1-14.
- Brendonck, L., De Necker, L., Dube, T., Dalu T., Damme, K.V., Pinceel, T., & Nhiwatiwa, T. (2022). Chapter 9 - Zooplankton. *Fundamentals of Tropical Freshwater Wetlands: From Ecology to Conservation Management*, Pages 221-271.
- Brito, J.O.F., Santos-Silva, M.C., Oliviera, M.C., Pellizari, F., Cassano, V., Gama, W.A. (2024). Occurrence of Dictyosphaeria (Cladophorales, Chlorophyta) Species on the Brazilia Coast and Oceanic Islands, Based on Morphological and Molecular Data. *Botanica Marina*.
- Cameron, E.S., Emelko, M.B., & Muller, K.M. (2022). Characterization of Cyanobacterial Communities in Lakes Requires Consideration of Diurnal and Spatial Variation. *BioRxiv*.
- Cameron, N.G. (2013). Diatoms. *Encyclopedia of Quaternary Science (Second Edition)*, Pages 522 - 525.
- Campbell, N.A., Reece, J.B., & Mitchell, L.G. (2004). *Biologi Edisi ke 5 Jilid III*. Jakarta: Erlangga.
- Campbell, S., Greenwood, M., Prior, S., Shearer, T., Wakem, K., Young, S., Bywaters, D., & Walker, K. (2020). Purposive Sampling: Complex or Simple? Research Case Examples. *Journal of Research in Nursing* 25(8): 652 - 661.
- Cao, J., Li, Z., Hou, Z., Wu T.m Chu, Z. Zheng, B., Yang, P.P., Yang, Y., Li, Q.H., & Guo, X. (2024). Dependence of Evolution of Cyanobacteria Superiority on Temperature and Nutrient Use Efficiency in a Meso-Eutrophic Plateau Lake. *Science of Total Environment* Page 172338.
- Carpenter, S., Chair., Caraco, N.F., Corell, D.L., Howarth, R.W., Sharpley, A.N., & Smith, V.H. (1998). Nonpoint Pollution of Surface Waters with Phosphorus and Nitrogen. *Issues in Ecology* No. 3
- Carty, S., & Parrow, M.W. (2015). Chapter 17 - Dinoflagellates. *Freshwater Algae of North America (Second Edition)*, Pages 773-807.
- Celewicz, S, Kozak, A., & Kuczynska-Kippen, N. (2022). Chlorophytes Response to Habitat Complexity and Human Disturbance in the Catchment of Small and Shallow Aquatic Systems. *Scientific Reports* 12(1): 13050.

- Chandel, P., Mahajan, D., Thakur, K., Kumar, R., Kumar, S., Brar, B., Sharma, D., & Sharma A. (2023). A Review on Plankton as a Bioindicator: A Promising Tool for Monitoring Water Quality. *World Water Policy* Vol. 10, Issue 1, Pages 213-232.
- Chen, G. (2020). Effects of Physical and Chemical Factors on Zooplankton in Tropical Shallow Urban Lakes. *IOP Conference Series: Earth and Environmental Science* 526.
- Chen, Q.H., Xu, R.L., Tam, N.F.Y., Cheung, S.G., & Shin, P.K.S. (2008). Use of Ciliates (Protozoa: Ciliophora) as Bioindicator to Assess Sediment Quality of two constructed mangrove sewage treatment belts in Southern China. *Marine Pollution Bulletin* 57, Pages 6-12.
- Chen, W., Zhang, T., & Guan, L. (2018). 8.02 - Radiation Transfer in The Ocean and Ocean Color. *Comprehensive Remote Sensing* Vol 8, Pages 43-78.
- Cheurevil, K., & Soranno, P. (2008). Relationships Between Lake Macrophyte Cover and Lake and Landscape Features. *Aquatic Botany*, 219-227.
- Cifuens, A.S., Gonzales. M., Vargas, S., Hoeneisen, M. and Gonzales, N. (2003). Optimalization of Biomass, Total Caotenoids, and Astaxanthin Production in *Haematococcus pluvialis* Flotow Strain Steptoe (Nevada, USA) Under Laboratory Conditions. *Biological Research* Vol. 36, Pages 3-4.
- Cieplinski, A., Weisse, T., & Obertegger, U. (2017). High Diversity in *Keratella cochlearis* (Rotifera, Monogononta): Morphological and Genetic Evidence. *Hydrobiologia* Vol. 796, Pages 145-159.
- Coley, P.D., Bryant, J.P., Chapin, F.S. (1985). Resource Availability and Plant Anti-Herbivore Defense. *Science* 230 (4728): 895-899.
- Cuadro, D.L.C., Berasategui, A.A., Menendez, M.C. (2022). Zooplankton: The Ocean Drifters. *Marine Biology: A Functional Approach to The Oceans and Their Organisms*. CRC Press, Pages 113-149.
- Cymbaluk, N.F. (2013). 4 - Water. *Equine Applied and Clinical Nutrition*, Pages 80 - 95.
- Cyr, H., & Sprules, W.G. (2022). The Wind-Driven Distribution of Nearshore Zooplankton Stratified Lake Varies with Their Body Size. *Freshwater Biology* Vol. 67, Pages 991-1004.

- Dahuri, R. (1995). *Metode dan Pengukuran Kualitas Air Aspek Biologi*. IPB, Bogor.
- Dodds, W.K., & Whiles, M.R. (2010). Chapter 9 - Microbes and Plants. *Freshwater Ecology (Second Edition)*, Pages 185 - 219.
- Dopheide, A., Lear, G., Stott, G., & Lewis, G. (2009). Relative Diversity and Community Structure of Ciliates in Stream Biofilms According to Molecular and Microscopy Methods. *Applied and Environmental Microbiology* 75(16).
- Dumnicka, E., Jelonek, J., Kwandrans, A., Wotjal., & Zurek, R. (2006). *Ichthyofauna and Ecological Status of Waters of the Vistula, Raba, Dinajec, and Wisloka*. Institute of Nature Conservation, Polish Academy of Sciences, Krakow, Poland.
- Dresscher, T. G. N., & Van der Mark, H. (1976). A Simplified Method for the Biological Assessment of the Quality of Fresh and Slightly Brackish Water. *Hydrobiologia*, 48(3): 199–201.
- Elmoor-Loureiro, L.M.A. (2007). Phytophilous Cladocerans (Crustacea, Anomopoda and Ctenopoda) from Paranã River Valley, Goiás, Brazil. *Revista Brasileira de Zoologia* 24(2).
- Enawgaw, Y., Wagaw, S., Wosnie, A., & Tessema, K. (2023). Zooplankton as Ecosystem Indicators and Their Effects on Eutrophication in Lake Arekit (Ethiopia) – Implication for Freshwater Habitat Management. *Journal of Freshwater Ecology* Vol. 38, Issue 1.
- Ernawati, N.M., Arjana, I.W.B., and Jendra, W. (2019). Jasa Penginapan Pendukung Geowisata di Batur Bali. *Jurnal Bisnis dan Kewirausahaan* Vol. 15, No. 1.
- Dzialowski, A.R., Dzialowski, W., Shih-Hsien, L., Niang-Choo, J.H. Huggins, D.G. (2008). Effects of Sediment Resuspension on Nutrient Concentrations and Algal Biomass in Reservoir of the Central Plains. *Lake Reserve Management* 24: 313-320.
- Farmer, M.A. (2009). Euglenozoa. *Encyclopedia of Microbiology (Third Edition)*, Pages 634-645.
- Fathibi, K., Sudhikumar, A.V., & Aneesh, E.M. (2020). Species Composition and Abundance of Rotifers (Rotifera: Eurotaria) in Thrissur Kole Wetland, Kerala, India. *Egyptian Journal of Aquatic Biology & Fisheries* Vol. 24 (6): 439 – 451.
- Febriansyah, S.C., Hakim, L., Saptoyo., & Retnaningdyah, C. (2023). Phytoplankton Diversity

- as a Bioindicator of Water Quality Mangrove Ecosystems in Clungup Mangrove Conservation, Kondang Merak and Sempu Island, Malang Regency. *Journal of Tropical Biodiversity and Biotechnology*, Vol. 8, Issue 1.
- Feng, J., & Xie, S. (2013). Numerical Taxonomy of Species in the Genus *Mallomonas* (Chrysophyta) from China. *ISRN Biodiversity* 2013(4).
- Fermo, P., Masiero, S., Rosa, M., Labella, G., Comite, V. (2021). Chlorophytum comosum: A Bio-Indicator for Assessing the Accumulation of Heavy Metals Present in The Aerosol Particulate Matter (PM). *Applied Sciences* Vol. 11, Issue 10, Pages 4348.
- Finkel, Z.V., Beardall, J., Flynn, K.J., Quigg, A., Rees, T.A.V., & Raven, J.A. (2010). Phytoplankton in a Changing World: Cell Size and Elemental Stoichiometry. *Journal of Plankton Research* Vol. 32, Issue 1.
- Franch-Gras, L., Tarazona, E., Garcia-Roger, E.M., Carmona, M.J., Gomez, A., Serra, M. (2019). Rotifer Adaptation to the Unpredictability of the Growing Season. *Hydrobiologia* 844: 257-273.
- Frangoulis, C., Christou, E., & Hecq, J.H. (2005). Comparison of Marine Copepod Outfluxes: Nature, Rate, Fate, and Role in the Carbon and Nitrogen Cycles. *Advances in Marine Biology* 47: 253-309.
- Gao, G., Bai, D., Li, T., Li, J., Li, J., Wang, Z., Cao, X., & Song, L. Understanding filamentous Cyanobacteria and their Adaptive Niches in Lake Honghu, a Shallow Eutrophic Lake. *Journal of Environmental Science* Vo. 152, Pages 219 - 234.
- Gao, H., Zhang, S., Zhao, R., & Zhu, L. (2018). Plankton Community Structure Analysis and Water Quality Bioassessment in Jiulong Lake. *IOP Conference Series: Earth and Environmental Science* 199.
- Garno, Y.S. (2008). Kualitas Air dan Dinamika Fitoplankton di Perairan Pulau Harapan. *Jurnal Hidrosfir Indonesia*. Vol. 3(2), 87-94.
- Gebrehiwot, M., Kifle, D., & Triest, L. (2019). Grazing and Growth Rate of a Cyclopid Copepod Fed with a Phytoplankton Diet Constituted by a Filamentous Cyanobacterium. *Hydrobiologia* Vol. 828, Issue 1, Pages 213 – 227.
- Gerlach, S.A. & Shrage, M. (1971). Life Cycles in Marine Meiobenthos Experiments at

- Various Temperatures with *Monhystra disjuncta* and *Theristus pertenius* (Nematoda). *Marine Biology* 9: 274.
- Girotti, S., Ferri, E.N., Fumo, M.G., & Maiolini, E. (2008). Monitoring of Environmental Pollutants by Bioluminescent Bacteria. *Analytica Chimica Acta*, 608: 2–29.
- Gold A.J., & Sims, J.T. (2005). Eutrophication. *Encyclopedia of Soils in the Environment*, Pages 486 - 494.
- Golmarvi, D., Kapourchali, M.F., Moradi, A.M., Fatemi, M., & Nadoshan, R.M. (2017). Influence of Physico-Chemical Factors, Zooplankton Species Biodiversity and Seasonal Abundance in Anzali International Wetland, Iran. *Open Journal of Marine Science* Vol. 7, No. 1.
- Guermazi, W., El-Khateeb, M., Abu-Dalo, M., Sallemi, I., Al-Rahahleh, B., Rezik, A., Belmonte, G., Ayadi, H., & Trabelsi, N.A. (2023). Assessment of the Zooplankton Community and Water Quality in an Artificial Freshwater Lake from a Semi-Arid Area (Irbid, Jordan). *Water* 15(15), Pages 2796.
- Guiry, M.D., & Guiry, G.M. (2021). *AlgaeBase*. World-wide Electronic Publication, National University of Ireland, Galway. <https://www.algaebase.org> ; searched on 05 June 2024.
- Hall, J.D., & McCourt, R. (2015). Chapter 9 – Conjugating Green Algae Including Desmids. *Freshwater Algae of North America (Second Edition)*, Pages 429 – 457.
- Hall, J.D., & McCourt, R. (2017). Zygnematophyta. *Handbook of the Protist*, Pages 1 – 29.
- Hao, J., Nan, F., Lv, J., Liu, Q., Liu, X., Xie, S., and Feng, J. (2022). Morphological and Molecular Characterizations of Three Species of the Genus *Synura* (Synurales, Chrysophyceae) from China. *Diversity* 14(12).
- Hasim. (2017). *Model Pengelolaan Danau*. Ideas Publishing.
- Havel, J.E. (2009). Cladocera. *Encyclopedia of Inland Waters: Reference Module in Earth System and Environmental Sciences*, Pages 611-622.
- He, J., Zhang, Y., Wu, X., Yang, Y., Xu, X., Zheng, B., Deng, W., Shao, Z., Lu, L., Wang, L., & Zhou, H. (2019). A Study on the Relationship between Metabolism of Cyanobacteria and Chemical Oxygen Demand in Dianchi Lake, China. *Water Environment Research*, Vol. 91, Issue 12, Pages 1650 – 1660.

- Hendrey, G.R. (2001). Acid Rain and Deposition. *Encyclopedia of Biodiversity*, Pages 1-15.
- Herawati, E.Y., Darmawan, A., Valina, R., & Khasanah, R.I. (2021). Abundance of Phytoplankton and Physical Chemical Parameters as Indicators of Water Fertility in Lekok Coast, Pasuruan Regency, East Java Province, Indonesia. *IOP Conference Series: Earth and Environmental Science* 934.
- Huertos M.L. (2020). Chapter 3 - The Players: Evolving Aquatic Species. *Ecology and Management of Inland Waters: A Californian Perspective with Global Applications*, Pages 67-130.
- Irfanullah, H.M., & Moss B. (2006). Ecology of *Dictyosphaerium pulchellum* Wood (Chlorophyta, Chlorococcales) in a Shallow, Acid, Forest Lake. *Aquatic Ecology* 40(1): 1-12.
- Japa, L., & Mertha, I.G. (2013). Hubungan Kuantitatif Fitoplankto dan Zooplankton Perairan Perikanan Gili Ranggo, Teluk Serewe, Lombok Timur. *Jurnal Biologi Tropis* Vol. 13, No. 1.
- Jenkins, D.G., & Buikema, A.L. (1998). Do Similar Communities Develop in Similar Sites? A Test with Zooplankton Structure and Function. *Ecological Society of America* Vol. 68, Issue 3, Pages 421 – 443.
- Jin, Z., Du, L., Cheng, Q., Jiang, Y., Hui, C., Xu, L., Zhao, Y., & Jiang, H. (2022). Physiological and Transcriptional Responses of *Dictyosphaerium* sp. Under Co-Exposure of a Typical Microplastic and Nonylphenol. *Environmental Research* Vol. 204, Part C.
- Jovanovic, J., Popovic, S., Subakov-Simic, G., Jovanovic, V. Predojevic, D., Jovanovic, D., & Karadzic, V. (2022). Freshwater Cyanobacteria in Waters Intended for Human consumption in Serbia: Two decades of Changes in Diversity. *Archives of Biological Sciences* Vol. 74, Issue 3, Pages 217 - 216.
- Kalff, J. (2002). *Limnology: Inland Water Ecosystems*. Prentice Hall.
- Kelly, M.G., Penny, C.J., & Whitton, B.A. (1998). Comparative Performance of Benthic Diatom Indices Used to Assess River Water Quality. *Hydrobiologia* 302, Pages 179-188.
- Kelly, M.G. & Whitton, B.A., (1995). The Trophic Diatom Index: A New Index for Monitoring Eutrophication in River. *Journal of Applied Phycology*, Vol. 7, Pages 433-

444.

- Kementrian Lingkungan Hidup Republik Indonesia. (2014). *Gerakan Penyelamatan Danau (GERMADAN) Batur*. Accessed on 11<sup>th</sup> January 2024 from: <https://docplayer.info/30889430-Gerakan-penyelamatan-danau-batur-germadan-batur.html>
- Khalik, W.M.A.M., & Abdullah, M.P. (2012). Pengaruh Musim Terhadap Kualiti Air Tasik Temenggor, Perak. *The Malaysian Journal of Analutical Science* Vol. 16, Issue 2, Pages 163-171.
- Khalil, S., Mahnashi, M.H., Hussain, M., Zafar, N., Un-Nisa, W., Khan, F.S., Afzal, U., Shah, G.M., Niazi, U.M., Awais, M., & Irfan, M. (2021). Exploration and Determination of Algal Role as Bioindicator to Evaluate Water Quality - Probing Fresh Water Algae. *Saudi Journal of Biological Sciences* 28(10): 5728-5737.
- Khushbu., Gulati, Rachma., & Sushma. (2022). Chapter 4 - Planktons: A Bioindicator of Health for Aquatic Ecosystem. *Research Trends in Fisheries and Aquatic Sciences*. Akinik Publications.
- Kopylov, A.I., Lazareva, V.I., Mineeva, N.M., & Zabolotkina, E.A. (2020). Planktonic Community of a Large Eutrophic Reservoir during a Period of Anomalously High-Water Temperature. *Inland Water Biology* Vol. 13, Issue 3.
- Krammer, B.J., Turk-Kubo, K.A., Zehr, J.P., & Golber, C.J. (2024). Intensification of Harmful Cyanobacterial Blooms in a Eutropic, Temperate Lake aused by Nitrogen, Temperatur, and CO<sub>2</sub>. *Science of Total Environment*, Page 169855.
- Krebs, C.J. (1985). *Experimental Analysis of Distribution and Abundance*. Third Edition. New York.
- Krebs, C. (1989). *Ecological Methodology*. Harper and Row Inc. Publisher.
- Krebs, C. (2009). *Ecology: The Experimental Analysis of Distribution and Abundance*. Harper and Row Publisher Inc.
- Kumar, V. (2018). *Mechanisms of Microbial Heavy Metal Accumulation from a Polluted Environment and Bioremediation*. Microbial Cell Factories. CRC Press. Pages 26.
- Kurnianto, H.W., Widyastuti, E., Ismangil. (2014). *Kajian Kualitas Air dan Penentuan Status*

- Mutu Air Rawa Bendungan Cilacap. *Biosfera* 31(1).
- Laili, S., Cahyono, B.E., & Nugroho, A.T. (2020). Analisis Kualitas Air di Danau Batur Menggunakan Citra Landsat-8 OLI/TIRS Multitemporal. *ELIPSOIDA: Jurnal Geodesi dan Geomatika*, Vol. 3, No. 1.
- Lair, N., & Ali, H.O. (1990). Grazing and Assimilation Rates of Natural Populations of Planktonic Rotifers *Keratella cochlearis*, *Keratella quadrata*, and *Kellicottia longispina* in Eutrophic Lake (Aydat, France). *Hydrobiologia (Kluwer Academic Publishers)* Vol. 194, Issue 2, Pages 119-131.
- Latif, U., & Dickert, F.L. (2015). *Chemical Oxygen Demand*. Springer Publishing. Pages 719 - 728.
- Lavourivska, L., Veith, T.L., Cibin, R., Preisendanz, H., & Steinma, A.D. (2021). Mitigating Lake Eutrophication through Stakeholder-Driven Hydrologic Modelling of Agricultural Conservation Practices: A Case Study of Lake Macatawa, Michigan. *Journal of Great Lakes Research*, Vol. 47, Issue 6, Pages 1710 – 1725.
- Lawrence, J., Santolini, C., Binda, G., Carnati, S., Boldrocchi, G., Pozzi, A., & Bettinetti, R. (2023). Freshwater Lacustrine Zooplankton and Microplastic: An Issue to Be Still Explored. *Toxics* 11(12).
- Leliaert, F. (2019). Green Algae: Chlorophyta and Streptophyta. *Encyclopedia of Microbiology (Fourth Edition)*, Pages 457 - 468.
- Lembaga Penelitian dan Pengabdian Masyarakat Institut Teknologi Bandung. (2022). *Melacak Sumber Air di Danau Batur*. Accessed on 14<sup>th</sup> January 2024 from: [https://research.lppm.itb.ac.id/information/melacak\\_sumber\\_air\\_di\\_danau\\_batur](https://research.lppm.itb.ac.id/information/melacak_sumber_air_di_danau_batur)
- Lessmann, D., Fyson, A., & Nixdorf, B. (2003). Experimental Eutrophication of a Shallow Acidic Mining Lake and Effects on the Phytoplankton. *Hydrobiologia* Vol. 506, Pages 753 – 758.
- Li, M., Gao, X., Wu, B., & Qian, X. (2014). Microalga *Euglena* as a Bioindicator for Testing Genotoxic Potentials of Organic Pollutants in Taihu Lake, China. *Ecotoxicology* 23(4).
- Lin, Q., Liu, L., Gong, Z., & Peng, L. (2024). Does Nutrient Enrichment Alleviate Stoichiometric Constraint on Plankton Trophic Structure? *Limnology and Oceanography*

69(6).

- Lu, S.Y., Xu, M.S., Jin, X.C., Huang, G.Z., & Hu, W. (2012). Pollution Characteristics and Evaluation of Nitrogen, Phosphorus, and Organic Matter in Surface Sediments of Lake Changshouhu in Chongqing, China. *Huan Jing Ke Xue* 33(2): 393-398.
- Lukman, L. (2023). Anthropogenic Impact on Lake Ecosystem. *Science of Lakes - Multidisciplinary Approach*. Intech Open.
- Mai, D.S. (2014). Shellfish (Molluscs and Crustacea) | Characteristics of the Groups. *Encyclopedia of Food Microbiology (Second Edition)*, Pages 376-388.
- Majeed, O.S., Nashaat, M.R., & Al-Azawi, A.J.M. (2022). Physicochemical Parameters of River Water and Their Relation to Zooplankton: A Review. *IOP Conference Series: Earth and Environmental Science* 1120.
- Maresi, S. R., Priyanti, & Yunita, E. (2015). Fitoplankton Sebagai Bioindikator Saprobitas Perairan di Situ Bulakan Kota Tangerang. *Al-Kaunyah Jurnal Biologi*, 8(2), 113-122.
- Mardani, R., Sudarsono, & Suhartini. (2016). Struktur Komunitas Plankton di Waduk Pandancure, Nusa Tenggara Barat. *20 Jurnal Biologi* Vol. 5, No. 5.
- Marshall, H.G. (2001). Trachelomonas spp. and Other Euglenophyceae Taxa in a Southeastern Virginia Lake. *Virginia Journal of Science* Vol. 52, Issue 1, Page 6.
- Masithah, E.D. (2021). *Cyanophyceae*. Airlangga University Press.
- Masojidek, J., & Torzillo, G. (2008). Mass Cultivation of Freshwater Microalgae. *Encyclopedia of Ecology*, Pages 2226-2235.
- Matsumura-Tundisi, T., & Tundisi, J.G. (2005). Plankton Richness in a Eutrophic Reservoir (Barra Bonita Reservoir, SP, Brazil). *Hydrobiologia* Vol. 542, Pages 367 - 378.
- Merina, G., & Afrizal, S., & Izmiarti. (2014). Komposisi dan Struktur Komunitas Fitoplankton di Danau Maninjau, Sumatera Barat. *Jurnal Biologi Universitas Andalas* 3(4): 267-274.
- Mesman, J.P., Ayala, A.I., Goyette, S., Kasparian, J., Marce, R., Markensten, H., Stelzer, J.A., Thayne, M.W., Thomas, M.K., Person, D.C., & Ibelings, B.W. (2022). Drivers of Phytoplankton Responses to Summer Wind Events in a Stratified Lake: A Modeling Study. *Limnology and Oceanography* Vol. 67, Issue 4.

- Miller, W.R. (2004). Chapter 13 - Tardigrades: Bears of the Canopy: *Forest Canopies (Second Edition)*, Pages 251 - 258.
- Musharaf K., Farrukh H., & Shahana M. A. (2011). Fraction of Fresh Water Algae of Kalpani Stream and Adjoining Area of District Mardan, Pakistan. *International Journal of Bioscience*, Pages 145–150.
- Nementhy, S., & Molnar, G. (2014). Sustainable Management of Lakes in Connection with Mitigation of Adverse Effects of Climate Change, Agriculture and Development of Green Micro-Regions based on Renewable Energy Production. *EQA: International Journal of Environmental Quality* Vol. 13, Issue 13, Pages 21 – 35.
- Nindarwi, D.D. (2019). Study of Calcium Hydroxide (Ca(OH)<sub>2</sub>) and Sodium Bicarbonate (NaHCO<sub>3</sub>) Treatment Through The Dynamics of pH, COD, N/P Ratio Value and Plankton Abundance. *Journal of Aquaculture and Fish Health* Vol. 8, No. 2.
- Nixdorf. B., Mischke, U., & Lebmann, D. (1998). Chrysophytes and Chlamydomonas: Pioneer Colonists in Extremely Acidic Mining Lakes (pH <3) in Lusatia (Germany). *Hydrobiologia* Vol. 369, Pages 315 – 327.
- Nogrady, T., Wallace, R.L., and Snell, T.W. (1993). *Guides to the Identification of the Microinvertebrates of the Continental Waters of the World*. The Netherlands: SPB Academic Publishing, Page. 142.
- Not, F., Siano, R., Kooistra, W.H.C.F., Simon, N., Vaultot, D., & Probert, I. (2012). Chapter One - Diversity and Ecology of Eukaryotic Marine Phytoplankton. *Advances in Botanical Research*, Vol. 64, Pages 1-53.
- Nuringtyas, S.B., Harini, R., & Widayani, P. (2023). Study of Water Degradation due to Community Activities in the Lake Batur Ecosystem, Bangli District, Bali. *E3S Web of Conferences* 468.
- Nyabakken, J.W. (1993). *Marine Biology: An Ecological Approach (Third Edition)*. Harper Collins College Publishers. 462 Pages.
- Odum, E. P. (1993). *Dasar-Dasar Ekologi*. UGM Press.
- Odum, E. P. (1998). *Dasar – dasar Ekologi*. Gajah Mada University Press.
- Packroff, G. (2000). Protozooplankton in Acidic Mining Lakes with Special Respect to Ciliates.

*Hydrobiologia* Vol. 433, Issue 1, Pages 157 – 166.

- Paerl, H. W., & Otten, T. G. (2013). Harmful Cyanobacterial Blooms: Causes, Consequences, and Controls. *Microbial Ecology*, 65(4), 995-1010.
- Pandey, L.K., Bergey, E.A., Lyu, J., Park, J., Choi, S., Lee, H., Depuydt, S., Oh, Y.T., Lee, S.M., & Han, T. (2017). The Use of Diatoms in Ecotoxicology and Bioassessment: Insights, Advances, and Challenges. *Water Research* Vol. 118, Pages 39-58.
- Parparov, A., & Gal, G. (2012). Management of Natural Lake Water Resources: Problems and Solutions. *The 2<sup>nd</sup> World Sustainability Forum*.
- Pejabat Pengelola Informasi dan Dokumentasi Kementerian Lingkungan Hidup dan Kehutanan. (2022). *Upaya Mencari Solusi Menanggulangi Pencemaran Danau Batur*. Accessed on 19<sup>th</sup> January 2024 from: <https://ppid.menlhk.go.id/berita/siaran-pers/6949/upaya-mencari-solusi-menanggulangi-pencemaran-danau-batur>
- Pemerintah Kabupaten Bangli. (2015). *Laporan Status Lingkungan Hidup Kabupaten Bangli Tahun 2015*. Accessed on 5<sup>th</sup> November 2023 from: [http://perpustakaan.menlhk.go.id/pustaka/images/docs/LAPORAN\\_SLHD.Kabupaten\\_Bangli\\_2015.fix.pdf](http://perpustakaan.menlhk.go.id/pustaka/images/docs/LAPORAN_SLHD.Kabupaten_Bangli_2015.fix.pdf)
- Peng, S., Long, M., Zheng, L., Song, L., & Li, J. (2019). Physiological Sensivity of *Haematococcus phuvialis* (Chlorophyta) to Environmental Pollutants: A Comparison with *Microcystis wesenbergii* (Cyanobacteria) and *Pseudokrichneriella subscapitata* (Chlorophyta). *Journal of Applied Phycology* Vol. 31, Issue 1, Pages 365-374.
- Perbiche-Neves, G., Saito, V.S., Previattelli, D. (2016). Cyclopoid Copepods as Bioindicators of Eutrophication in Reservoirs: Do Patterns Hold for Large Spatial Extents? *Ecological Indicators* Vol. 70, Pages 340 - 347.
- Pérez-Legaspi, I.A., & Rico-Martínez R. (1998). Effect of Temperature and Food Concentration in Two Species of Littoral Rotifers. *Hydrobiologia* Pages 3417-348.
- Perin, L.S., Moraes, G.V., Galeazzo, G.A., & Oliceira, A.G. (2022). Bioluminescent Dinoflagellates as a Bioassay for Toxicity Assessment. *International Journal of Molecular Science* 23(21), 13012.
- Permana, I.G.W., Setiabudi, G. I., & Br-Sitepu, G.S. (2022). Plankton Biodiversity in The

- Floating Net Cage Area of Lake Batur Kintamani, Bangli. *Advances in Tropical Biodiversity and Environmental Sciences* 6(2): 57-61.
- Poniewozik M., & Lenard, T. (2022). Phytoplankton Composition and Ecological Status of Lakes with Cyanobacteria Dominance. *International Journal of Environmental Research* Vol. 19, Issue 7, Page 3832.
- Pranoto, Pranoto., & Heraldly, E. (2023). *Kimia Air: Bab 9 - Eutrofikasi Air*. Jakarta: Bumi Aksara.
- Purbani, D.C., Noerdjito, D.R., Purnaningsih, I., Yuliani, Y., & Danang, A.P. (2021). Morphological and Molecular Phylogenetic Analysis of Coccoid Green Algae Isolated from Enggano Island. *Berita Biologi: Jurnal – Jurnal Ilmu Hayati* 20(3).
- Pusat Pengendalian Pembangunan Ekoregion Bali dan Nusa Tenggara. (2023). *Pengelolaan Ekosistem Danau Batur*. Accessed on 10<sup>th</sup> September 2023 from: <http://ppebalinusra.menlhk.go.id/pengelolaan-ekosistem-danau-batur/#:~:text=Berbagai%20aktivitas%20yang%20memanfaatkan%20ekosistem,yang%20penting%2C%20reservoir%20alam%2C%20tempat>
- Pusat Pengendalian Pembangunan Ekoregion Bali dan Nusa Tenggara. (2018). Rencana Pengelolaan Sumber Daya Air dan Lahan di Danau Batur serta Daerah Tangkapan Airnya Berbasis Daya Dukung Lingkungan Hidup. *Kementerian Lingkungan Hidup dan Kehutanan*.
- Radiarta, I.N, & Sagala, S.L. (2012) Spatial Model of Aquatic Fertility in Lake Batur, Bangli Regency, Bali Province with Geographic Information System Applications. *Journal of Aquaculture Research* 7(3), 499-508.
- Rakhola-Sorsa, M. (2008). The Structure of Zooplankton Community in Large Boreal Lakes and Assessment of Zooplankton Methodology. University of Joensuu. *Ph.D. Dissertation in Biology* No. 59.
- Rasidi, S., Basukriadi, A., & Ishak, T.M. (2008). *Ekologi Hewan*. Universitas Terbuka, Jakarta: 432 Halaman.
- Reid, M.A., Tibby, J.C., Penny, D., & Gell, A. (1995). The Use of Diatoms to Assess Past and Present Water Quality. *Australian Journal of Ecology*. Vol. 20, Issue 1, Pages 57 - 64.

- Rezazada, F.A. Construed Floating Wetlands Mediated Nutrient Management of Eutrophic Lakes. *World Journal of Advanced Research and Reviews*, Vol. 7, Issue 1, Pages 212 – 221.
- Rimet, F., & Bouchez, A. (2012). Life-Forms, Cell-Sizes and Ecological Guilds of Diatoms in European rivers. *Knowledge and Management of Aquatic Ecosystems*, 406, 01.
- Roche, K.F. (1993). Temporal Variation in the Morphology of the Rotifer *Keratella quadrata*. *Anales De Limnologie-International Journal* Vol. 29, Issue 2, Pages 119-127.
- Rohini, A., & Manikya, R.P. (2022). Assessment of Water Quality in Safilguda Lake, Hyderabad using Water Quality Index. *Ecology, Environment, and Conservation* Vol. 22, Pages 101-106.
- Rosada, K.K., and Sunardi. (2021). *Metode Pengambilan dan Analisis Plankton*. UNPAD Press, Jatinangor.
- Roumasset, J.A., & Wada, C.A. (2015). Chapter 5 - Integrated Groundwater Resources Management. *Sustainable Economic Development*, Pages 77-79.
- Roy, A.S., & Pal, R. (2016). Freshwater Euglenophytes from East Kolkata Wetlands – A Ramsar Site. *Phytomorphology* 66 (3&4), Pages 113 – 121.
- Sabater, S. (2009). Diatoms. *Encyclopedia of Inland Waters*, Pages 149-156.
- Sachlan, M. (1982). *Planktonologi*. UNDIP: Semarang.
- Sakset, A. & Chankaew, W. (2013). Phytoplankton as a Bioindicator of Water Quality in The Freshwater Fishing Area of Pak Phanang River Basin (Southern Thailand). *Chiang Mai Journal of Science* 40(3).
- Sanders, R.W. (2009). Protist. *Encyclopedia of Inland Waters*, Pages 252 - 260.
- Santos, J.M., & Ferreira, M.T. (2020). Use of Aquatic Biota to Detect Ecological Changes in Freshwater: Current Status and Future Directions. *Water* 12 (6).
- Santos-Wisniewski, M., Rocha, O., Guntzel, A., Matsumura-Tundisi, T. Aspects of the Life Cycle of *Chydorus Pubescens* Sars, 1901 (Cladocera, Chydoridae) *Acta Limnologica Brasiliensia* 18(3):305–310.

- Schowalter, T.D. (1996). *Insect Ecology: An Ecosystem Approach*. Academic Press. San Diego.
- Scott, J.T., & Marcarelli, A. (2012). Cyanobacteria in Freshwater Benthic Environments. *Ecology of Cyanobacteria II: Their Diversity in Space and Time*. Pages 271 - 289.
- Shahady, T. (2022). Chapter 15 - Sustainable Water Management with a Focus on Climate Change. *Water and climate Change*, Pages 293 - 316.
- Sharma, B.K., & Sharma, S. (2011). Zooplankton Diversity of Loktak Lake, Manipur, India. *Journal of Threatened Taxa* 3(5): 1745-1755.
- Sheath, R.G., & Wehr, J.D. (2003). 1 - Introduction to Freshwater Algae. *Freshwater Algae of North America*, Pages 1 - 9.
- Shu, Y.X., Doilom, M., Boonmee, S., Xu, B., & Dong, W. (2024). Three Novel Cheiroid Hyphomycetes in Dictyocheirospora and Dictyosporium (Dictyosporiaceae) from Freshwater Habitats in Guangdong and Guizhou Provinces, China. *Journal of Fungi* 10(4): 259.
- Singh, H., Singh, M., Bhat, M.A., & Bhawsar, A. (2016). Evaluation of Water Quality Index of Upper Lake - A Ramsar Site. *Archives of Applied Science Research*, Vol. 8, Issue 3, Pages 34-37.
- Smith, V.H. (2009). Eutrophication. *Encyclopedia of Inland Waters*, Pages 61 - 73.
- Singarimbun, M., & Effendi, S. (1991). *Metode Penelitian Survey*, Yogyakarta: LP3S.
- Siregar, B.I.T., & Hermana, J. (2011). Identifikasi Dominasi Genus Alga pada Air Boezem Morokembrangan sebagai Sistem *High Rate Algae Pond* (HRAP). Surabaya: *Jurusan Teknik Lingkungan FTSP-ITS*.
- Song, G. (2021). Dynamics of a Stochastic Population Model with Predation Effects in Polluted Environments. *Advances in Difference Equations* Vol. 189, Issue 1, Pages 1-19.
- Spaulding, S.A., Potapova, M.G., Bishop, I.W., Lee, Gasperak, T.S., Jovanoska, E., Furey, P.C., & Edlund, M.B. (2021). Diatoms.org: Supporting Taxonomist, Connecting Communities. *Diatom Research* 36(4): 291-304.
- Sprules, W.G., Cyr, H., & Menza, C.W. (2022). Multiscale Effects of Wind-Induced Hydrodynamics on Lake Plankton Distribution. *Limnology and Oceanography* Vol. 67,

Pages 1631-1646.

- Stamenkovic, M., & Pavlovic, P. (2022). *Applied Studies on Desmids and Other Conjugating Algae*. Apple Academic Press eBooks, Pages 1 – 43.
- Steinberg, C., & Klee, R. (1984). Zur Chemie von Trachelomonas Loricatae. *Archiv für Protistenkunde* Vol. 128, Issue 3, Pages 283 – 294.
- Stener, R.W., & Schulz, K.L. (1998). Zooplankton Nutrition: Recent Progress and a Reality Check. *Aquatic Ecology* Vol. 32, Pages 261 – 179.
- Stock, W., Pinseel, E., Decker, S.D., Seifbom, J., Blommaert, L., Chepurnova, O., Sabbe, K., & Vyverman, W. (2018). Expanding the Toolbox for Cryopreservation of Marine and Freshwater Diatoms. *Scientific Reports* Vol. 8, No. 4279.
- Sukmawati, N.M.H., Pratiwi, A.E., & Rusni, N.W. (2019). Kualitas Air Danau Batur Berdasarkan Parameter Fisiokimia dan NSFQI. *WICAKSANA, Jurnal Lingkungan & Pembangunan* Vol 3 No. 2, Hal. 53-60.
- Sulastrini., Akhidiana., & Khaerunissa. (2020). Phytoplankton and Water Quality of Three Small Lakes in Cibinong, West Java, Indonesia. *IOP Conference Series: Earth and Environmental Science* 477.
- Sulawesty, F., & Satya, A. (2013). Phytoplankton Community Structure and Other Related Eutrophication Symptoms Parameter in Lake Batur, Bali-Indonesia. *Oseanografi dan Limnologi di Indonesia* Vol. 39: 179-197.
- Sulawesty, F., & Suryono, T. (2016) Komunitas Fitoplankton Kaitannya dengan Kualitas Perairan Danau Sentani. *Limnotek : Perairan Darat Tropis di Indonesia*, 23 (2): 2. pp. 61-74.
- Sulawesty, F., Yoshida, S., Rahayu, S., Yustiawati., & Chrismada, T. (2023). Phytoplankton Response to Differences in Light and the Addition of Phosphorus in Lake Cikaret. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*, 13(1):27-36.
- Sulisetijono. (2009). *Bahan Serahan Alga*. Malang: UIN Malang.
- Sullivan, P., & Reynold, C. (2003). *Limnology and Limnetic Ecology*. USA: Blackwell Publishing.
- Sumich, J.L. (1992). *An Introduction to the Biology of Marine Life*. WCB Publishers. New

York. 449 Pages.

- Sunaryani, A., Santoso, A.B., Muttaqien, F.H., Harvianto, F., Rustini, H.A., Kartini, N.L., Nilawati, D., & Triwisesa, E. (2022). A Web-Based Numerical Model for Sustainable Management of Lake Batur, Bali: Preliminary Results. *IOP Conference Series: Earth and Environmental Science*.
- Sundra, I.K., and Joni, M. (2015). Pengaruh Pertanian Terhadap Penurunan Kualitas dan Mutu Perairan Danau Batur, Kecamatan Kintamani, Bangli. *Seminar Nasional Sains dan Teknologi: Inovasi Humaniora, Sains, dan Teknologi untuk Pembangunan Berkelanjutan*.
- Sun, Q., & Liu, Z. (2020). Impact of Tourism Activities on Water Pollution in the West Lake Basin (Hangzhou, China). *Open Geosciences* Vol. 2, Issue 1.
- Tadesse, S.A. (2017). Community Structure and Trophic Level Interactions in the Terrestrial Ecosystem: A Review. *International Journal of Avian and Wildlife Biology*.
- Tasevska, O., D. Guseska and G. Kostoski. (2012). Comparison of Pelagic Rotifer Communities in Three Natural Macedonian Lakes. *Acta Zoologica Bulgaria*, 4: 159-165.
- Teta, R., Esposito, G., Casazza, M., Zappa, C.J., Endreny, T.A., Mangoni, A., Costantino, V., Lega, M. (2019). Bioindicators as a Tool in Environmental Impact Assessment: Cyanobacteria as a Sentinel of Pollution. *International Journal of Sustainable Development and Planning* Vol. 14, Issue 1, Pages 1 – 8.
- Thackeray, S.J. (2022). Zooplankton Diversity and Variation Among Lakes. *Encyclopedia of Inland Waters (Second Edition)* Vol. 2, Pages 52 - 66.
- Thorp, J.H., Covich, A.P., & Dimmick, W.W. (2010). Chapter 1 - Introduction to Invertebrates of Inland Waters. *Ecology and Classification of North American Freshwater Invertebrates (Third Edition)*, Pages 1 - 23.
- Torres-Franco, A.F., Alatrasta-Gongora, G.R., Guzman-Rodriguez, N.P., Calizaya-Anco, J.A., Mota, C.R., & Figueredo, C.C. (2019). Physiochemica and Diatom Trophic State Indexes: A Complementary Approach for Improving Water Sustainability in a High Andean Urban Stream. *Ecohydrology & Hydrobiology* Vol. 19, Issue 4.
- Trikoilidou, E., Samiotis G., Tsikritzis, L., & Kevrekidis, T. (2017). Evaluation of Water Quality Indices Adequacy in Characterizin the Physico-Chemical Water Quality of

- Lakes. *Environmental Processes* 4(5): 1-12.
- Trobajo, R., Burillo, J.P., Vasselon, V., Rimet, F., Bouchez, A., & Mann, D.G. (2021). Species Sensivity Analysis as a Tool for Interpreting Diatom Metabarcoding for WFD Bioassessment. *ARPHA Conference Abstracts* Vol. 4.
- Utojo. (2015). Keragaman Plankton dan Kondisi Perairan Tambak Intensif dan Tradisional di Probolinggo, Jawa Timur. *Biosfera* 32(2); 83-97.
- Vuuren, S.J., Taylor, J., & Ginkel, C. (2006). *Easy Identification of the Most Common Freshwater Algae*. North-West University and Department of Water Affairs and Forestry.
- Wafi, A., & Ariadi, H. (2022). Estimasi Daya Listrik untuk Produksi Oksigen oleh Kincir Air selama Periode “Bind Feeding” Budidaya Udang Vaname (*Litopenaeus vannamei*). Saintek Perikanan: *Indonesian Journal of Fish Science Technology* 18(1): 19-35.
- Wagner, K.J. (2010). Advances in Lake Management: Research Translated into Application. *SIL Proceedings* 30(9): 1313 – 1316.
- Wallace, R.L., & Smith, H.A. (2009). Rotifera. *Encyclopedia of Inland Waters*, Pages 689-703.
- Wallace, R.L., Snell, T.W., Ricci, C., & Nogrady, T. (2006). *Guides to the Identification of the Microinvertebrates of the World (Second Edition)*. The Netherlands: Kenobi Productions and Backhuys Publishers Pages 299.
- Wallace, R.L., Snell, T.W., & Smith, H.A. (2015). Chapter 13 - Phylum Rotifera. *Ecology and General Biology: Thorp and Covich's Freshwater Invertebrates (Fourth Edition)*, Pages 225 - 271.
- Wang, Z., Chi, Y., Song, W., Wang, Y., Wu, T., Zhang, G, Liu, Y., Ma, H., Song, W., Al-Rasheid, K.A.S., Warren, A., & Lu, B. (2022). Biodiversity of Freshwater Ciliates (Protista, Ciliophora) in the Lake Weishan Wetland, China: The State of the Art. *Marine Life Science & Technology* Vol. 4, Pages 429 – 451.
- Warren, A., Esteban, G.F., & Finlay, B.J. (2016). Chapter 2 - Protozoa. *Thorp and Covich's Freshwater Invertebrates (Fourth Edition)*, Pages 5 - 37.
- Wassie, T.A., & Melese, A.W. (2015). Impact of Physicochemical Parameters on Phytoplankton Compositions and Abundances in Selameko Manmade Reservoir, Debris

- Tabor, South Gondar, Ethiopia. *Applied Water Science* 7: Pages 1791-1798.
- West, L.K., Walne, P.L., & Bentley, J. (1980). *Trachelomonas hispida* var. *coronata* (Euglenophyceae). iii. Envelope Elemental Composition and Mineralization 1,2. *Journal of Phycology* Vol. 16, Issue 4, Pages 582 – 591.
- Wetzel, R.G. (2001). 16 - Planktonic Communities: Zooplankton and Their Interactions with Fish. *Limnology (Third Edition)*, Pages 395-488.
- Wetzel, R.G. and Likens. (1979). *Limnological Analyses*. London: W.B.Saunders.
- Xiong, W., Huang, X., Chen, Y., Fu, R., Du, X., Chen, X., & Zhan, A. (2020). Zooplankton Biodiversity Monitoring in Polluted Freshwater Ecosystem: A Technical Review. *Environmental Science and Ecotechnology*.
- Yadav, S., Singh, A.K., & Verma, E. (2023). Cyanobacteria as Bioindicator of Water Pollution. *Cyanobacterial Biotechnology in the 21st Century*, Pages 149 - 179.
- Yagci, M.A. (2015). Variations in the Zooplankton Species Structure of Eutrophic Lakes in Turkey. *Lake Sciences and Climate Change*.
- Yutian, L., Liu, J., Chen, Y., Taotao, Li, W., Xu, J., Zhang, X., Linsen, T., Fangwen, Z., & Zhong, J. (2024). Management of Eutrophication using Combined the “Flock & Amp; Sink” Mitigation Technique and Submerged Plants Restoration: A Mesocosm Study. *Environmental Research Communications* Vol. 6, Issue 5, Pages 12.
- Zahradkova, S., & Soldan, T. (2008). Saprobic System. *Encyclopedia of Ecology*, Pages 3141-3143.
- Zinicovscaia, I., & Cepoi, L. (2016). *Cyanobacteria for Bioremediation of Wastewaters*. Springer International Publishing.
- Zou, E. (2019). Aquatic Invertebrate Endocrine Disruption. *Encyclopedia of Animal Behavior (Second Edition)*, Pages 470 - 482.
- Zuo, J., Xiao, P., Heino, J., Tan, F., Soininen, J., Chen, H., & Yang, J. Eutrophication Increases the Similarity of Cyanobacterial Community Features in lakes and reservoirs. *Water Research* Vol. 250.