DAFTAR PUSTAKA

Agence de 1'Eau Artois-Picardie, 1992 . *Carte de qualite hydrobiologique des cours d'eau du bassin Artois-Picardie* . Document Agence de 1'Eau Artois-Picardie, 15 pp + carte

Ahmed, J., Vasilopoulos. 2023. Discerning hydrological controls on the behaviour of water surface area changes in oxbow lakes. doi: 10.5194/egusphere-egu23-10128.

Augusta, T.S . 2013. Struktur Komunitas Zooplankton Di Danau Hanjalutung Berdasarkan Jenis Tutupan Vegetasi Zooplankton. *Jurnal Ilmu Hewani Tropika*, 2(2) : 68-74.

Augusta, T. S. 2015. Inventarisasi ikan dan kondisi habitat di danau Hanjalutung Kalimantan Tengah. *Jurnal Ilmu Hewani Tropika (Journal Of Tropical Animal Science)*, *4*(2), 45-48.

Babcsányi, I., Tamás, M., Szatmári, J., Hambek-Oláh, B. and Farsang, A. 2020. Assessing the impacts of the main river and anthropogenic use on the degree of metal contamination of oxbow lake sediments (Tisza River Valley, Hungary). *Journal of Soils and Sediments*, *20*, 1662-1675.

Badan Penelitian Daerah (BAPPEDA) Palangka Raya. 2016. Laporan Akhir Kegiatan Masterplan Kawasan Minapolitan Di Palangka Raya.

Badan Riset Dan Inovasi Nasional (BRIN). 2022. Peneliti BRIN ungkap potensi Danau Hanjalutung, Danau oxbow di lahan gambut

Bapedalda Kab. Maros. 2003. *Neraca Kualitas Lingkungan Hidup Daerah (NKLD)*. Buku I. PT. Multi Area Conindo: Maros.

Barinova, S., Gabyshev, V., & Genkal, S. 2023. Diversity of diatom algae in the Lena delta nature reserve and the adjacent territory in the specific ecological factors of the arctic. *Diversity*, *15*(7), 802.

Barus, I. T. A. 2002. *Pengantar Limnologi*. Medan: Jurusan Biologi FMIPA USU.

Basmi, J. 1999. Planktonologi: Chrysophyta-Diatom Penuntun Identifikasi. Bogor: Institut Pertanian Bogor.

Battarbee R.W., Smol J., Birks H., Last W. 2001. Diatoms. (Eds) Tracking Environmental Change Using Lake Sediments Volume 3: Terrestrial, Algal, and Siliceous Indicators (Netherlands: Kluwer Academic Publishers) p 155-202.

Bellinger, E. G., and Sigee, D. C. 2010. *Freshwater Algae: Identification and Use as Bioindicators*. United Kingdom John Wiley & Sons.

Biggs, B.J.F & K.Cathy. 2000. *Stream Periphyton Monitoring Manual*. New Zealand: Niwa.

Blanco, S. 2024. What do diatom indices indicate? Modeling the specific pollution sensitivity index. *Environ Sci Pollut Res* 31, 29449–29459

Budianto, S., & Hariyanto, T. 2017. Analisis Perubahan Konsentrasi Total Suspended Solids (TSS) Dampak Bencana Lumpur Sidoarjo menggunakan Citra Landsat Multi Temporal (Studi kasus: Sungai Porong, Sidoarjo). *Jurnal Teknik ITS*, 6(1), 130-135.

Buf, H. D. dan M. M. Bayer. 2002. *Automatic Diatom Identification*. Singapore: World Scientific Publishing.

Burge, D. R., Edlund, M. B., & Frisch, D. 2018. Paleolimnology and resurrection ecology: The future of reconstructing the past. *Evolutionary Applications*, *11*(1), 42-59.

Burney, D. A., & Burney, L. P. 2007. Paleoecology and “inter-situ” restoration on Kaua'i, Hawai'i. *Frontiers in Ecology and the Environment*, *5*(9), 483-490.

Buttner JK., Soderberg RW., Terlizzi DE. 1993. An introduction to water chemistry in freshwater aquaculture Sulawesi Utara. *Budidaya Perairan* Vol. 1 No.2. Manado.

Carballeira, R., & Pontevedra-Pombal, X. 2020. Diatoms in Paleoenvironmental Studies of Peatlands. *Quaternary*, *3*(2). https://doi.org/10.3390/quat3020010

Chen, X., Stevenson, M.A., Zeng, L. and Qiao, Q. 2017. Diatom distribution in an alpine basin (central China) in relation to environmental factors and substrata. *Diatom Research*, *32*(3), pp.251-262.

Chukwuka, A. V., & Adeogun, A. O. 2023. Oxbow lakes in Africa: Status, threats, and management strategies-A review. *Environmental Challenges*, 100759.

Ciniglia, C., Cennamo, P., De Stefano, M., Pinto, G., Caputo, P., & Pollio, A. 2007. Pinnularia obscura Krasske (Bacillariophyceae, Bacillariophyta) from acidic environments: characterization and comparison with other acid-tolerant Pinnularia species. *Fundamental and applied limnology*, *170*(1), 29.

Costa, L. F., Wetzel, C. E., Ector, L., Williams, D. M., & Bicudo, D. C. 2017. Eunotia enigmatica sp nov., a new planktonic diatom from Brazil and the transfer of Fragilaria braunii HUSTEDT to the genus Peronia (Bacillariophyceae). *Fottea*, *17*(1), 103.

Coste, M., Ayphassorho, H. 1991. Etude de la qualité des eaux du Bas- sin Artois-Piccardie á l' aide des communautés des diatomées benthiques (application des indices diatomiques). In: Rapport CEMAGREF, Bordeaux; Agence de l'Eau Artois-Picardie: Douai France, pp. 1–227.

Coste, M. 1982. Etude des méthods biologiques quantatatives d'appréciation de la qualité des eaux. Rapport Division Qualité des Eaux Lyon. Agence Financiére de Bassin Rhône. Mediter- ranée-Corse: Lyon French, pp. 1–218.

Crisci, J. V. 2006. Signs of the times: biodiversity, systematics and education.

Dell'uomo, A. 1996. Assessment of water quality of an Apennine river as a pilot study for diatom-based monitoring of Italian water- courses. In: The Use of Algae for Monitoring Rivers II. Whitton BA, Rott E, (Eds.), Institut für Botanik Universität Innsbruck, Innsbruck Austria, pp. 1–65.

Delmas, M., Saby, N., Arrouays, D., Dupas, R., Lemercier, B., Pellerin, S., & Gascuel-Odoux, C. 2015. Explaining and mapping total phosphorus content in French topsoils. *Soil use and management*, *31*(2), 259-269.

Dembowska, E. A., & Napiórkowski, P. 2015. A case study of the planktonic communities in two hydrologically different oxbow lakes, Vistula River, Central Poland. *Journal of Limnology*, *74*(2).

Descy, J. P. 1979. A new approach to water quality estimation using diatoms. *Nova Hedwig* 64:305–323.

Descy, J. P., Coste, M. 1991. A test of methods for assessing water quality based on diatoms. *Verh Intern Limnol* 24(4):2112–2216.

Desianti, N., Potapova, M., Enache, M., Belton, T. J., Velinsky, D. J., Thomas, R., & Mead, J. 2017. Sediment diatoms as environmental indicators in New Jersey coastal lagoons. *Journal of Coastal Research*, (78), 127-140.

Dinas Kelautan dan Perikanan (DKP). 2011. *Laporan Tahunan 2010*. Dinas Kelautan dan Perikanan Provinsi Kalimantan Tengah. Palangka Raya.

Ding, K., Yang, C., Zhu, C. H., Zhang, Y., Zhang, H., Zhang, Y., & Xu, Y. 2019. Research of total phosphorus concentration in Hefei Ring River based on landsat-8 satellite image data. In *E3S Web of Conferences*, 136: 06032.

Dimowo, B. O., Gbadebo, A. M., Taiwo, A. M., & Omoniyi, I. T. 2018. Planktonic diatoms as bio-indicators of ecological integrity of lower Ogun River, Abeokuta, Southwestern, Nigeria. *International journal of Aquaculture*, *8*.

Djauhari Noor. 2009. *Pengantar Geologi*. Program studi teknik geologi fakultas teknik: universitas pakuan. Bogor

Fauzi, M., Caniago, A. P., Amelia, Warohmah, F. M., Suryani, L., Simanjuntak, M. R. R., Perdana, M. R., Kurniawan, M., Annisa, R. I., Yoannisa, R., Ma'rifah, S. K. 2022. Edukasi Pengembangan Ekowisata dan Suaka Perikanan Danau Oxbow Desa Lubuk Siam, Kecamatan Siak Hulu. *Journal of Rural and Urban Community Empowerment* Vol 4, Issue 1.

Fardiaz, S. 1992. *Polusi air dan udara*. Kanisius: Yogyakarta.

França, A. A., Dunck, B., Rodrigues, L., Fonseca, B. M., & Felisberto, S. A. 2017. Periphytic diatoms (Bacillariophyta) in streams from three Conservation Units of central Brazil: Pinnularia Ehrenberg. *Hoehnea*, *44*, 524-538.

Frouz, J. 2021. Chapter 6 - Soil recovery and reclamation of mined lands. In book: Soil and Landscape Restoration.

Gell, P., J.A. Sonneman, M. Reid, M. Illman, and A. Sincock. 1999. An illustrated key to common diatom genera from Southern Australia. Identification Guide No. 26. Cooperative Research Centre for Fresh water Ecology, Albury.

Ghosh, D., & Biswas, J. K. 2017. Fish Fauna faces anthropogenic double trouble: erosion of fish diversity in tropical Oxbow Lake of the Ganga River Basin in Eastern India. *Journal of Biodiversity and Endangered Species*, *5*(2), 188.

Gomez, N., Licursi, M. 2001. The Pampean Diatom Index (IDP) for assessment of rivers and streams in Argentina. *Aquat Ecol* 35:173–181.

Guo-chen, L. I., Lu-san, L. I. U., Xing, W. A. N. G., & Li, L. I. 2012. Applications of diatom in river health assessment: A review. *Chinese Journal of Applied Ecology/Yingyong Shengtai Xuebao*, *23*(9).

Hasrini, D. A., & Soeprobowati, T. R, Jumari. 2024. Stratigrafi Diatom di Perairan Pesisir Morosari, Kabupaten Demak, Jawa Tengah. *Jurnal Ilmu Lingkungan*, *22*(5), 1356-1363.

Herlory, O., Bonzom, J. M., Gilbin, R., Frelon, S., Fayolle, S., Delmas, F., & Coste, M. 2013. Use of diatom assemblages as biomonitor of the impact of treated uranium mining effluent discharge on a stream: case study of the Ritord watershed (Center-West France). *Ecotoxicology*, *22*(8), 1186-1199.

Herve, V., S. Douady, Quinet, L. Moisan & P. Lopez. 2012. Multiparametric Analysis Reveal the pH-dependent of Silicon Biomineralization in Diatoms. *PLoS One*. 7: 1-12.

Heudre, D., Wetzel, C. E., Moreau, L., Van de Vijver, B., & Ector, L. 2019. On the identity of the rare Fragilaria subconstricta (Fragilariaceae), with Fragilaria species forming ribbon-like colonies shortly reconsidered. *Plant Ecology and Evolution*, *152*(2), 327-339.

Huliselan, N. V. 2000. Komposisi dan Distribusi Diatom Bentik di Perairan Pantai Desa Naku, Kodya Ambon-Maluku. *ILMU KELAUTAN: Indonesian Journal of Marine Sciences*, *7*(2), 65-76.

Hürlimann, J., Niederhauser, P. 2002. Méthode d'analyse et d'appréciation des cours d'eau en Suisse, Diatomées, niveau R région. Office Fédéral de l'Environnement, des Forêts et du Pay- sage OFEFP: Berne, Switzerland, pp. 1–111

Imroatushshoolikhah, Sudarso, J., Yustiawati, Laelasari. 2016. The Composition of a Benthic Macroinvertebrate Community In Hanjalutung Oxbow-Lake: An Analysis. *Proceedings of the 16th World Lake Conference,* 320-327.

Jain, A. K. 2023. Biodiversity, greens and cultural spaces. In *Climate Resilient, Green and Low Carbon Built Environment* (pp. 149-168). Singapore: Springer Nature Singapore.

Jiang, Y., Huang, J., Guo, X., Ye, Y., Liu, J., & Jiang, Y. 2025. Factors Influencing the Spatial Distribution of Soil Total Phosphorus Based on Structural Equation Modeling. *Agriculture*, *15*(9), 1013.

J.M. Bigham, E.J. Ciolkosz. 1993. Soil Color : Proceedings of a Symposium Sponsored by Divisions S-5 and S-9 of the Soil Science Society of America, Soil Science Society of America, San Antonio, Texas

Juliandar, M., Rohmat, D. 2019. 4. Development Methods for the Formulation of Community Empowerment-Based Oxbow Stream Utilization Models in Citarum River. doi: 10.1088/1755-1315/286/1/012016.

Kasasiah, A., D. I. Hartoto, F. Yulianda, M. Marzuki dan Haryono. 2009. *Pedoman Penelitian Kerusakan Habitat Sumber Daya Ikan di Perairan Daratan.* Direktorat Konservasi dan Taman Nasional Laut: Jakarta Pusat.

Kelly, M. G., Whitton, B. A. 1995. The trophic diatom index: A new index for monitoring eutrophication in rivers. *J Appl Phycol* 7:433–444.

Kim, H., Møller, I., Thorling, L., & Hansen, B. 2025. Sediment color as a predictor of the subsurface redox conditions at large scale. *Applied Geochemistry*, *190*, 106493.

Kornijów, R. 2013. A new sediment slicer for rapid sectioning of the uppermost sediment cores from marine and freshwater habitats. *Journal of Paleolimnology*, *49*(2), 301-304.

Krammer, K. & Lange-Bertalot, H. 1991. *Süsswasserflora von Mitteleuropa 2 Bacillariophyceae, 3 teil: Centrales, Fragilariaceae, Eunotiaceae*. Spektrum Akademischer Verlag, Heidelberg, Berlin.

Kurniawan, R. 2012. *Keragaman Jenis dan Penutupan Tumbuhan Air di Ekosistem Danau Tempe, Sulawesi Selatan*. Pusat Penelitian Limnologi LIPI. Cibinong.

Lange-Bertalot, H., Bak, M., & Witkowski, A. 2011. Diatoms of the Europan inland water and comparable habitats-Volume 6: Eunotia and some related genera.

Leclerq, L., Maquet, B. 1987. Deux nouveaux índices chimique et dia- tomique de qualité d'eau courante: Comparaison avec diérents indices existants. Cah Biol Mar 28:303–310 (**(in French with English abstract)**)

Lenoir A, Coste M. 1996. Development of a practical diatom index of overall water quality applicable to the French National Water Board network. In the Use of Algae for Monitoring Rivers II. Whitton BA, Rott E, (Eds) Institut für Botanik Universität Inns- bruck, Schmitten, Austria, pp. 29–45

Lobo, E. A., Callegaro, V. L. M., Hermany, G., Bes, D., Wetzel, C. A., Oliveira, M. A. 2004. Use of epilithic diatoms as bioindicator from lotic systems in southern Brazil, with special emphasis on eutrophica- tion. *Acta Limnol Bras* 16(1):25–40.

Krstić, S. S., Zech, W., Obreht, I., Svirčev, Z., & Marković, S. B. 2012. Late Quaternary environmental changes in Helambu Himal, Central Nepal, recorded in the diatom flora assemblage composition and geochemistry of Lake Panch Pokhari. *Journal of paleolimnology*, *47*(1), 113-124.

Magurran, A.E. 2004. Measuring Biological Diversity. Blackwell Publishing, Oxford, 256 p.

Manoylov, K. M., Stevenson, R. J., & Wang, Y. K. 2013. Sustaining abundance and distributional patterns of benthic diatoms from streams in Kentucky, USA. *WIT Transactiona ov Ecology and the Environment*, *173*, 111-123.

Marojahan, S. 2007. Oksigen Terlarut dan Apparent Oxygen Utilization di Perairan Teluk Klabat, Pulau Bangka. *Jurnal Ilmu Kelautan* Vol. 12 (2): 59 – 66.

Marshall, F. E., Wingard, G. L., & Pitts, P. A. 2014. Estimates of natural salinity and hydrology in a subtropical estuarine ecosystem: implications for Greater Everglades restoration. *Estuaries and coasts*, *37*(6), 1449-1466.

Melinda, T., Sholehah, H., & Abdullah, T. 2021. Penentuan status mutu air danau air asin Gili Meno menggunakan metode indeks pencemaran. *Jurnal sanitasi dan lingkungan*, *2*(2), 199-208.

Moningka, V. V., Sinolungan, M. T., Kaunang, D., & Kawulusan, R. 2015. Sifat Fisik Dan Kimia Sedimen Pada Danau Tondano. In *COCOS*, 6(9).

Nayak, J., Asediya, V., Pal, S., & Anjaria, P. 2025. Biodiversity: Concept, Pattern, Importance, Threats, and Conservation. *Epidemiology and Environmental Hygiene in Veterinary Public Health*, 349-364.

Neran, A., Al Hassany, J. S., & Mashi, F. K. 2020. Assessment of the water quality of Um El-Naaj Marshes by Diatoms. *Ecol Environ Conserv*, *26*(1), 449-64.

Nyata, S. 2012. Analisis Sosial Ekonomi masyarakat Kelurahan Petuk Ketimpun Dalam Mendukung Pemanfaatan Danau Hanjalutung Sebagai Kawasan Alternatif Pengembangan Usaha Perikanan di Kota Palangka Raya. *Jurnal Ilmu Hewani Tropika* Vol 1. No. 2. Desember 2012

Olszyński, R. M., Szczepocka, E., & Żelazna-Wieczorek, J. 2019. Critical multi-stranded approach for determining the ecological values of diatoms in unique aquatic ecosystems of anthropogenic origin. *PeerJ*, *7*, e8117.

Pillsbury, R. W., & Slavik, K. A. 2006. Pinnularia aldenii sp. nov., a diatom from acidic habitats in northern Michigan. *Diatom Research*, *21*(2), 365-370.

Kale, A dan Karthick, B. 2015. The Diatoms: Big significance of tiny glass houses. Resonance 1: 919-930.

Kociolek, J.P., Balasubramanian, K., Blanco, S., *et al*. 2019. DiatomBase. http://www.diatombase.org. Accessed on 3 December 2024.

Liu, Y., Wang, W., & Fu, C. 2011. Taxonomy and distribution of diatoms in the genus Eunotiafrom the Da'erbin Lake and Surrounding Bogs in the GreatXing'an Mountains, China. Nova Hedwigia, 92 (1-2), 205-232.

Mulenga, M., Ouma, K. O., Monde, C., Syampungani, S., Mulenga, M., Ouma, K. O., Monde, C., & Syampungani, S. 2024. Aquatic Mercury Pollution from

Artisanal and Small-Scale Gold Mining in Sub-Saharan Africa: Status, Impacts, and Interventions. *Water, 16*(5). https://doi.org/10.3390/w16050756

Naya, T., Tanimura, Y., Kanai, Y., Kumon, F., & Amano, K. 2007. Natural and anthropogenic aquatic environmental changes reconstructed by paleolimnological analyses in Lake Kitaura, central Japan. *Journal of Paleolimnology*, *37*(4), 547-563.

Patrick, R & C. W. Reimer. 1996. The diatoms of the United States. Vol. 1 – Monogr. Acad. Nat. Sci. Philad. 13: 688pp.

Pavlov, A., & Levkov, Z. 2013. Diversity and distribution of taxa in the genus Eunotia Ehrenberg (Bacillariophyta) in Macedonia. *Phytotaxa*, *86*(1), 1-117.

Petrėnas, G., Kazlauskas, M., & Karosienė, J. 2025. Response of freshwater periphytic diatoms to elevated cadmium concentration: results of an experimental study. *Journal of limnology., 84*, 1-11.

Prygiel J .1991. Use of benthic diatoms in surveillance of the Artois-Picardie basin hydrobiological quality . In B . A. Whitton, E . Rott & G. Friedrich (eds), Use of algae for monitoring rivers, Dusseldorf, E. Rott, Innsbruck : 89- 96 .

Pienitzs, R., Robergem, K. and Vincent, W.F. 2006. Three Hundred Years of Human-Induced Change in an Urban Lake: Paleolimnological Analysis of Lac Saint-Augustin, Quebec City, Canada. Canadian J. of Botany 84: 303-320.

Prygiel, J., Coste, M. 1996. Recent trends in monitoring French rivers using algae, especially diatoms. In: Whitton BA, Rott E (eds) Use of Algae for Monitoring Rivers II. Institut für Botanik Universität Innsbruck, Schmitten, Austria, pp 1–87

Putra, R. M., Nedi, S., & Putrayudha, R. A. 2023. Sustainability Management of Teluk Benderas Lake, Rantau Baru Village, Pangkalan Kerinci District, Riau Province. *International Journal of Sustainable Development & Planning*, *18*(6).

Pyle, L., Cooper, S.R. and Huvane, J.K. 1998. Diatom Paleoecology Pass Key Core 37, Everglades National Park Florida Bay. Open -File Report 98-522, USGS (US geological Survey).

QI, Y.Z. & J.Y. LI. 2004. Bacillariophyta. Pennatae (Araphidiales Raphidionales). – In: Flora algarum sinicarum aquae dulcis. Tomus X: 1–161. Science Press, Beijing

Ragauskas, A., Maziliauskaitė, E., Prakas, P., & Butkauskas, D. 2025. Population genetic structure: where, what, and why?. *Diversity*, *17*(8), 584.

R. Bose, R. Bar, R. Pal. 2017. Floristic assortment of planktonic and epipsammic diatoms from eastern india with new reports, Planktonic and Epipsammic Diatoms from Eastern India, *J. Algal Biomass Utln.* 8 (4), 51–68.

Ricotta, C., & Podani, J. 2017. On some properties of the Bray-Curtis dissimilarity and their ecological meaning. *Ecological Complexity*, *31*, 201-205.

Rinawati, Hidayat, D., Suprianto, R., & Dewi, P. S. 2016. Penentuan Kandungan Zat Padat (Total Dissolved Solid dan Total Suspended Solid) di Perairan Teluk Lampung. *Analit: Analytical and Environmental Chemistry*, 1(1), 36-45.

Rott, E., Hofmann, G., Pall, K., Pfister, P., Pipp, E. 1997. Indikationslisten für Aufwuchsalgen in Österreichischen Fliessgewässern, Teil 1: Saprobielle Indikation Wasserwirtschaftskataster; Bundeministe- rium für Land- und Forstwirtschaft: Wienna, Astralia, pp. 1–73. (in German).

Rott, E., Pfister, P., Van, Dam, H., Pipp, E., Pall, K., Binder, N., Ortler, K. 1999. Indikationslisten fʊr̈ Aufwuchsalgen Teil 2: Trophieindikation und autökologische Anmerkungen Bundesministerium für Land- und Forstwirtschaf, Wienna, Astralia, pp1–248. (in German).

Ruhland K, Karst T, Paterson A, Eaves GR, Smol JP, and Cumming BF. 1999. Standard Sediment Sample Preparation Methods for Siliceous Microfossils (Diatoms and Chrysophyte Scales and Cysts). Paleoecological Environmental Assessment and Research Laboratory (PEARL), Department of Biology Queen's University.

Rybak, M., Kochman-Kędziora, N., & Pęczuła, W. 2020. Diversity of the Rhopalodiaceae Diatoms (Bacillariophyta) on Macrophytes of Different Architecture in Small and Shallow Oxbow Lakes (SE Poland). *Journal of Ecological Engineering*, *21*(5), 164-173.

Saegusa, Y., Sugai, T., Ogami, T., Kashima, K. and Sasao, E. 2011. Reconstruction of Holocene environmental changes in the Kiso-Ibi-Nagara compound river delta, Nobi Plain, central Japan, by diatom analyses of drilling cores. *Quaternary International*, *230*(1-2), pp.67-77.

Saha, S., Chukwuka, A. V., Mukherjee, D., Saha, N. C., & Adeogun, A. O. 2022. Hydrological connectivity, surface water quality and distribution of fish species within sub-locations of an urban oxbow lake, East India. *Watershed Ecology and the Environment*, *4*, 44-58.

Salomoni, S. E., Rocha, O., Callegaro, V. L., & Lobo, E. A. 2006. Epilithic diatoms as indicators of water quality in the Gravataí river, Rio Grande do Sul, Brazil. *Hydrobiologia*, *559*(1), 233-246.

Sari, K., Hidayat, J. W., Soeprobowati, T. R. 2018. Community structure and species diversity of Diatom in area between Telaga Warna and Telaga Pengilon, Indonesia. *International Research Journal of Enviromental Sciences* Vol.7(11), 1-6.

Sari, K., Soeprobowati, T.R., Jumari, J., Hariyati, R. and Miller, J.R. 2021. Trace Metals and Diatom Stratigraphy along the Sill between Lakes Telaga Warna and Telaga Pengilon, Dieng, Central Java, Indonesia. *Sustainability*, *13*(7), p.3821.

Scherer, R. P. 1994. A New Method for The Determination of Absolute Abundance of Diatoms and Other Silt-Sized Sedimentary Particles. *Journal of Paleolimnology*, 12(2):171 - 179. DOI: 10.1007/BF00678093.

Schiefele, S., Schreiner, C. 1999. Use of diatoms for monitoring nutri- ent enrichment acidification and impact salts in Germany and Austria. In: Whitton BA, Rott E, Friedrich G (eds) Use of Algae for Monitoring Rivers. Institut für Botanik Universität Innsbruck, Schmitten, Austria, pp 1–193

Siregar, S. H., Kurniawan, R., Fitriani, E., Syakti, A. D., Hakam, R., & Pasaribu, B. 2025. Dataset on the Diversity of Epipelic Diatoms in Sediment Layers as Bioindicators of Aquatic Environment. *Egyptian Journal of Aquatic Biology & Fisheries*, *29*(2).

Sirsath, D. B., Ambore, N. E., Surve, P. R., & Pulle, J. S. 2006. The Occurence of Conductivity and TDS in Dharmapuri Pond Water Dist-Beed (MS) India. *ECOLOGY ENVIRONMENT AND CONSERVATION*, *12*(1), 149.

Sitorus, M. 2009. Hubungan Nilai Produktivitas Primer Dengan Konsentrasi Klorofil a, dan Faktor Fisik Kimia di Perairan Danau Toba, Balige, Sumatera Utara. Tesis. Medan: USU.

Siver, P. A., & Baskette, G. 2004. A morphological examination of Frustulia (Bacillariophyceae) from the Ocala National Forest, Florida, USA. *Canadian journal of botany*, *82*(5), 629-644.

Sládeček, V. 1986. Diatoms as indicators of organic pollution. Acta Hydrochim *Hydrobiol* 14:555.

Smol, J. P. 2009. Paleolimnology. *Encyclopedia of Inland Waters*, 462-471.

Smol, J. P. 2017. Paleolimnology. Reference Modul in Earth Systems and Environmental Sciences. https://doi.org/10.1016/B978-0-12-409548-9.10537-8.

Soeprobowati, T. R., Hidayat, J. W., dan Baskoro, K. 2011. Diatom Epipelik Sebagai Bioindikator Kualitas Perairan Danau Rawapening. *Jurnal Sains dan Matematika* 19(4): 107-118.

Soeprobowati, T. R., Hadisusanto, S., Gell, P., & Zawadski, A. 2012. The Diatom stratigraphy of Rawapening Lake, implying eutrophication history.

Soeprobowati, T. R. & Suedy, S. W. A. 2015. Pengelolaan Kualitas Perairan berdasarkan Analisis Paleolimnologi Menggunakan Diatom. *Prosiding Pertemuan Ilmiah Masyarakat Limnologi Indonesia*, 12-31.

Soeprobowati, T. R., Djalal, T. S., Sutikno, Hadisusanto, S dan Gell, P. 2016. The minimum number of valves for diatom identification in RawaPening Lake, Central Java. *Biotropia* 13 96-104.

Soeprobowati, T. R., Tandjung, S. D., Sutikno, S., Hadisusanto, S., & Gell, P. 2017. The Minimum Number of Valves for Diatoms Identification in Rawapening Lake, Central Java. *BIOTROPIA*, *23*(2), 97–100.

Soeprobowati, T. R., Suedy, S. W. A., Lubis, A. A., & Gell, P. 2018. Diatom assemblage in the 24 cm upper sediment associated with human activities in

Lake Warna Dieng Plateau Indonesia. *Environmental Technology & Innovation*, *10*, 314-323.

Soeprobowati, T. R. 2020. *Diatom: Bioindikator Kualitas Air*. UNDIP Press: Semarang.

Soeprobowati, T. R., Purnaweni, H., Jumari, J., & Sari, K. 2022. The Relationship of Water Quality to Epipelic Diatom Assemblages in Cebong Lake, Dieng Indonesia. *Polish Journal of Environmental Studies*, *31*(1).

Soeprobowati, T. R., Saraswati, T. R., Jumari, J., Sari, K., & Gell, P. 2023. Diatom index of Galela Lake, Halmahera, Indonesia in relation to human activities. *International Journal of Environmental Science and Technology*, *20*(7), 7707-7722.

Solarek, K. 2020. The reactivation of Warsaw oxbow lakes as a leitmotiv of urban design. *Journal of Water and Land Development*, *45*.

Sorey, T. D., Bisri, M., & Sisinggih, D. 2017. Kajian penanganan sedimentasi danau tondano. *Jurnal Teknik Pengairan*, *7*(2), 259-267.

Speijer, D. 2016. What can we infer about the origin of sex in early eukaryotes?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, *371*(1706), 20150530.

Steinberg, C., Schiefele, S. 1988. Biological indication of trophy and pollution of running waters. *Zeitschrift Für Wasser Und Abwasser Forschung* 21(6):277.

Stewart, E. M., Michelutti, N., Blais, J. M., Mallory, M. L., Douglas, M. S., & Smol, J. P. 2013. Contrasting the effects of climatic, nutrient, and oxygen dynamics on subfossil chironomid assemblages: a paleolimnological experiment from eutrophic High Arctic ponds. *Journal of Paleolimnology*, *49*, 205-219.

Subarijanti, H. U. 1990. *Pemupukan dan Kesuburan Perairan*. Fakultas Perikanan dan Ilmu Kelautan. Universitas Brawijaya: Malang.

Suraya, U. 2019. Inventarisasi Dan Identifikasi Tumbuhan Air Di Danau Hanjalutung Kota Palangka Raya. Daun: Jurnal Ilmiah Pertanian Dan Kehutanan. Volume 6 No 2.

Szczepocka, E., & Żelazna-Wieczorek, J. 2018. Diatom biomonitoring–scientific foundations, commonly discussed issues and frequently made errors. *Oceanological and Hydrobiological Studies*, *47*(3), 313-325.

Tan, X., Sheldon, F., Bunn, S.E. *et al.* 2013. Using diatom indices for water quality assessment in a subtropical river, China. *Environ Sci Pollut Res* 20, 4164–4175

Taylor, J.C., W.R. Harding and C.G.M. Archibald. 2007. An Illustrated Guide to Some Common Diatom Species from South Africa. Water Research Commission, Pretoria: 225 p.

Taylor, J. C. dan C. Cocquyt. 2016. *Diatoms from the Congo and Zambezi Basins. Methodologies and Identification of the Genera.* Vol 16. The Belgian Development Cooperation. Belgium.

Taylor, J. C., & Cocquyt, C. 2025. Two new Eunotia species (Eunotiaceae, Bacillariophyta) from the Yangambi Biosphere Reserve, Democratic Republic of the Congo. *Phytotaxa*, *704*(1), 49-59.

Tímea, Ki., György, S. 2015. Mártély Lake: An Oxbow of the Lower Tisza River. 271-277. doi: 10.1007/978-3-319-08997-3_31.

Trisurat, Y., Shrestha, R. P., & Alkemade, R. 2011. Linkage between biodiversity, land use informatics and climate change. In *Land Use, Climate Change and Biodiversity Modeling: Perspectives and Applications* (pp. 1-22). IGI Global.

Uher, B. 2016. Does sediment grain size affect the distribution of diatoms?. 1th Central European Diatom Meeting. Budapest, Hungary.

Valieva, E., Frolova, L., Nigamatzyanova, G., Nigmatullin, N., & Gareev, B. 2020. Diatoms in bottom sediments of the arctic lake in the Pechora River delta (Nenets Autonomous Okrug, Russia). *International Multidisciplinary Scientific GeoConference: SGEM*, *20*(4.1), 391-39

Valieva, E. A., Nigamatzyanova, G. R., Nurgaliev, D. K., & Frolova, L. A. 2022. Preliminary results of diatom analysis of bottom sediments from Lake Maloe Miassovo (Cheluabinsk Region, Russia). *Limnology and Freshwater Biology*, 1601-1603.

Van Dam, H., Mertens, A., & Sinkeldam, J. 1994. A coded checklist and ecological indicator values of freshwater diatoms from the Netherlands. *Netherland Journal of Aquatic Ecology*, *28*(1), 117-133.

Vashishta, B. R. 1999. Algae. Botany for Degree Students S. Chand & Company Ltd. Ram Nagar, New Delhi. P 286-298.

Veselá, J., Urbánková, P., Černá, K., & Neustupa, J. 2012. Ecological variation within traditional diatom morphospecies: diversity of Frustulia rhomboides sensu lato (Bacillariophyceae) in European freshwater habitats. *Phycologia, 51*(5), 552-561.

Watanabe T, Asai K, Houki A. 1986. Numerical estimation to organic pollution of flowing water by using the epilithic diatom International Journal of Environmental Science and Technology assemblage - diatom assemblage index (DAIpo). *Sci Total Environ* 55:209–218.

Wei, C., Fu, H., & Zheng, Y. 2024. Spatio-temporal Evolution of Total Nitrogen in Xixi River Based on Sentinel-2 Remote Sensing Images. In *Journal of Physics: Conference Series* (Vol. 2863, No. 1, p. 012003). IOP Publishing.

Wetzel, R.G. 2001. Limnology, Lake and River Ecosystems. *3rd ed. Academic Press, NY*

Widyanta, C. H., Soeprobowati, T. R., Jumari, J., & Hariyati, R. 2020. The Comparison of Different Diatom Digestive Method using HCl-H2O2 and HCl-KMnO4 in Telaga Pengilon Dieng. *Indonesian Journal of Limnology*, *1*(1), 19-26.

Wingard, G. L., Bernhardt, C. E., & Wachnicka, A. H. 2017. The role of paleoecology in restoration and resource management—the past as a guide to future decision-making: review and example from the Greater Everglades Ecosystem, USA. *Frontiers in Ecology and Evolution*, *5*, 11.

Yuwono, T., Pramono, W. B., Ardi, I., Hakim, L., & Ismail, M. 2015. Design of the remote sensing circuit for water conductivity. In *2015 International Conference on Space Science and Communication (IconSpace)* (pp. 84-88). IEEE.

Zakharova, Y.R., Bedoshvili, Y.D., Petrova, D.P., Marchenkov, A.M., Volokitina, N.A., Bashenkhaeva, M.V., Kopyrina, L.I., Grachev, M.A. and Likhoshway, Y.V. 2020. Morphological description and molecular phylogeny of two diatom clones from the genus Ulnaria (Kützing) Compère isolated from an ultraoligotrophic lake at the Pole of Cold in the Northern Hemisphere, Republic of Sakha (Yakutia), Russia. *Cryptogamie, Algologie*, *41*(6), pp.37-45.

Zamzami, T. N., Rahayu, A. P., Ali, M., & Mendrofa, S. 2023. Iktiofauna Diversity in the Oxbow Lake of the Bengawan Solo River in Lamongan and Gresik Regencies. *Journal of Fisheries and Marine Applied Science,* 1(2), 40-52