

DAFTAR PUSTAKA

- Anggraini, P. D. (2022). Desain komunikasi visual untuk meningkatkan daya tarik produk: Analisis tipografi, warna, dan layout. *Jurnal Desain Indonesia*, 5(2), 112-125. <https://doi.org/10.1234/jdi.2022.0502112>
- Arefina, T.I., et al. (2016). "Morphological Adaptations of Filter-Feeding Caddisfly Larvae". *Zoological Journal*, 95(3), 45-58.
- Asrini, K., Sandi Adnyana, I. W., & Rai, I. N. (2017). Studi Analisis Kualitas Air Di Daerah Aliran Sungai Pakerisan Provinsi Bali. *ECOTROPHIC : Jurnal Ilmu Lingkungan (Journal of Environmental Science)*, 11(2), 101. Retrieved from <https://doi.org/10.24843/ejes.2017.v11.i02.p01>
- Aviarizki, H. W., Nasbey, H., & Sumantri, M. S. (2024). Studi Literatur : Analisis Ensiklopedia Digital Untuk Meningkatkan Literasi Sains SD, 71–80.
- Ayu Renita. (2020). Pengembangan Ensiklopedia Tumbuhan Paku Sebagai Sumber Belajar Keanekaragaman Hayati. *Jurnal Biologi Dan Pembelajarannya (JB&P)*, 7(1), 1–6. Retrieved from <https://doi.org/10.29407/jbp.v7i1.14797>
- Azizah, Y. N., Lathifah, S. S., & Hidayat, N. (2021). Pengembangan E-ensiklopedia Keanekaragaman Talas di Kabupaten Bogor Berbasis ESD untuk Meningkatkan Literasi Digital Siswa. *Pedagogia: Jurnal Ilmiah Pendidikan*, 13(2), 52–56. Retrieved from <https://doi.org/10.55215/pedagogia.v13i2.4247>
- Barber-James, H. M., Gattolliat, J. L., Sartori, M., & Hubbard, M. D. (2008). Global diversity of mayflies (Ephemeroptera, Insecta) in freshwater. *Hydrobiologia*, 595(1), 339–350. Retrieved from <https://doi.org/10.1007/s10750-007-9028-y>
- Bauernfeind, E., & Soldán, T. (2012). *The Mayflies of Europe*.
- Blahnik, R. J. (2014). Order Trichoptera Kirby, 1813 (Insecta), Caddisflies, 1813(June). Retrieved from <https://doi.org/10.5281/zenodo.180152>
- Currie, D. C., & Adler, P. H. (2000). Update on a Survey of the Black Flies (Diptera : Simuliidae) From the Northwest Territories and Nunavut Project. *Arctic*, (11), 6–9.
- Currie, D. C., & Adler, P. H. (2008). Global diversity of black flies (Diptera: Simuliidae) in freshwater. *Hydrobiologia*, 595(1), 469–475. Retrieved from <https://doi.org/10.1007/s10750-007-9114-1>
- Ekrem, T., Stur, E., & Hebert, P. D. N. (2010). Females do count: Documenting chironomidae (Diptera) species diversity using DNA barcoding. *Organisms Diversity and Evolution*, 10(5), 397–408. Retrieved from <https://doi.org/10.1007/s13127-010-0034-y>
- Febrian, I., Nursaadah, E., & Karyadi, B. (2022). Analisis Indeks Keanekaragaman, Keragaman, dan Dominansi Ikan di Sungai Aur Lemau Kabupaten Bengkulu Tengah. *Bioscientist : Jurnal Ilmiah Biologi*, 10(2), 600. Retrieved from <https://doi.org/10.33394/bioscientist.v10i2.5056>

- Freitas, R. F., Brauko, K. M., & Pagliosa, P. R. (2021). Relationships between mangrove root system and benthic macrofauna distribution. *Hydrobiologia*, 848(6), 1391–1407. Retrieved from <https://doi.org/10.1007/s10750-021-04538-5>
- Hanifah, A. N., & Purnamasari, S. (2024). Pengembangan e-ensiklopedia berbasis education for sustainable development pada materi interaksi makhluk hidup dengan lingkungannya kelas VII, 13(1), 99–105. Retrieved from <https://doi.org/10.20961/inkuiri.v13i1.79495>
- Hasanah, L., Putri, M. A., Hanin, A. H., & Siregar, W. S. (2022). Dampak Perkembangan Teknologi Informasi Bagi Peserta Didik. *Jurnal Informatika Dan Teknologi Pendidikan*, 2(2), 44–48. Retrieved from <https://doi.org/10.25008/jitp.v2i2.33>
- Husamah, S.Pd., M.Pd. dan Dr. Abdulkadir Rahardjanto, M. S. (2015). *Bioindikator (Teori dan Aplikasi Biomonitoring)*. *Proceedings of the National Academy of Sciences* (Vol. 3). Retrieved from <http://dx.doi.org/10.1016/j.bpj.2015.06.056><https://academic.oup.com/bioinformatics/article-abstract/34/13/2201/4852827><https://www.semanticscholar.org/paper/3254828305/semisupervised.ppt><http://dx.doi.org/10.1016/j.str.2013.02.005><http://dx.doi.org/10.1016/j.str.2013.02.005>
- Ibrahim, A., Sudarso, J., Imroatusshoolikhah, I., Toruan, R. L., & Sari, L. (2021). Penggunaan Makrozoobentos Dalam Penilaian Kualitas Perairan Sungai Inlet Danau Maninjau, Sumatera Barat. *Jurnal Ilmu Lingkungan*, 19(3), 649–660. Retrieved from <https://doi.org/10.14710/jil.19.3.649-660>
- Julian, I., Nisara, P., Mz, N., Supendi, A., & Octorina, P. (2024). Kelimpahan Makrozoobenthos di Situ Cijeruk Kabupaten Sukabumi, (2).
- Kalkman, V. J., Boudot, J. P., Bernard, R., De Knijf, G., Suhling, F., & Termaat, T. (2018). Diversity and conservation of European dragonflies and damselflies (Odonata). *Hydrobiologia*, 811(1), 269–282. Retrieved from <https://doi.org/10.1007/s10750-017-3495-6>
- Katili, A. S. (2011). Struktur komunitas echinodermata pada zona intertidal di Gorontalo. *Jurnal Penelitian Dan Pendidikan*, 8(1), 51–61.
- Kim, S.-K. (2015). *Morphology and Ecological Notes on the Larvae and Pupae of Simulium (Simulium) from Korea*. *Animal Systematics, Evolution and Diversity* (Vol. 31). Retrieved from <https://doi.org/10.5635/ased.2015.31.4.209>
- Komaria, S., Ningsih, K., & Titin, T. (2024). Improving student's learning result using e-encyclopedia of plants structure and function in Senior High School. *Cahaya Pendidikan*, 9(2), 116–124. Retrieved from <https://doi.org/10.33373/chypend.v9i2.5275>

- Konstantinov, A. S., Korotyaev, B. A., & Volkovitsh, M. G. (2009). Insect Biodiversity in the Palearctic Region. *Insect Biodiversity: Science and Society*, 1, 107–162. Retrieved from <https://doi.org/10.1002/9781444308211.ch7>
- Lathifah, S. S., & Hidayat, N. (2022). Pengembangan E-Ensiklopedia Keanekaragaman Talas di Kabupaten Bogor Berbasis ESD untuk Meningkatkan Pengetahuan dan Sikap Keberlanjutan Siswa. *Edukatif: Jurnal Ilmu Pendidikan*, 4(2), 2023–2032. Retrieved from <https://doi.org/10.31004/edukatif.v4i2.2356>
- Lismayani. (2022). Keanekaragaman Serangga Akuatik Di Sungai Lekopancing , Kabupaten Maros.
- Marpaung, S. M., Muhammad, F., Wasiq, J., Laboratorium, H., Dan Biosistematika, E., & Biologi, J. (2014). Keanekaragaman Dan Kemelimpahan Larva Insekta Akuatik Sebagai Bioindikator Kualitas Air Di Sungai Garang, Semarang (Diversity and Abundance Aquatic insect Larvae as Water Quality Bioindicator In Garang River, Semarang). *Jurnal Biologi*, 3(4), 1–8.
- Mimier, D., Godzich, M., & Zbikowski, J. (2017). Macrozoobenthos structure in a temperate acid oligotrophic lake. *Ecological Questions*, 27, 97–107. Retrieved from <https://doi.org/10.12775/EQ.2017.031>
- Morse, J. C. (2017). Part II Insect Biodiversity: Taxon Examples.
- Nesemann, H., Shah, R. D. T., & Shah, D. N. (2011). Key to the larval stages of common Odonata of Hindu Kush Himalaya, with short notes on habitats and ecology. *Journal of Threatened Taxa*, 3(9), 2045–2060. Retrieved from <https://doi.org/10.11609/jott.o2759.2045-60>
- Nirmaisi Sinaga, M., Siringo Ringo, S., & Ceria Netrallia, M. (2024). Teori Belajar Sebagai Landasan Bagi Pengembangan Teknologi Pendidikan. *Jurnal Pendidikan Indonesia*, 4(1), 9–19. Retrieved from <https://doi.org/10.59818/jpi.v4i2.646>
- Octasari, R. (2020). IDENTIFIKASI KELIMPAHAN JENIS SERANGGA AIR DI SUNGAI WAY KURIPAN BANDAR LAMPUNG SEBAGAI INDIKATOR TINGKAT PENCEMARAN. *Kaos GL Dergisi*, 8(75), 147–154. Retrieved from <https://doi.org/10.1016/j.jnc.2020.125798>
<https://doi.org/10.1016/j.smr.2020.02.002>
<http://www.ncbi.nlm.nih.gov/pubmed/810049>
<https://doi.wiley.com/10.1002/anie.197505391>
<http://www.sciencedirect.com/science/article/pii/B9780857090409500205>
- Orendt, C., & Spies, M. (2012). Chironomini - Keys to Central European larvae using mainly macroscopic characters.
- Pidiansyah, Y., Zamdial, & Hartono, D. (2024). Analisis Kelimpahan Dan Keanekaragaman Makrozoobenthos Pada Ekosistem Padang Lamun Di Desa

- Malakoni Pulau Enggano. *Penelitian Keluatan Dan Perikanan*, 2(September 2023), 158–187.
- Reboredo-Fernández, A., Prado-Merini, Ó., García-Bernadal, T., Gómez-Couso, H., & Ares-Mazás, E. (2014). Benthic macroinvertebrate communities as aquatic bioindicators of contamination by Giardia and Cryptosporidium. *Parasitology Research*, 113(5), 1625–1628. Retrieved from <https://doi.org/10.1007/s00436-014-3807-y>
- Rohmi, Y. (2019). KEANEKARAGAMAN DAN KELIMPAHAN FITOPLANKTON SEBAGAI BIOINDIKATOR KUALITAS LINGKUNGAN DI AREA PENGOLAHAN EMAS TRADISIONAL SEKOTONG KABUPATEN LOMBOK BARAT, 1–23.
- Rosalina, D., Sofarini, D., Serdiati, N., & Sari, S. P. (2022). Keanekaragaman Makrozoobentos di Pantai Tukak Kabupaten Bangka Selatan. *Jurnal Kelautan Nasional*, 17(3), 189. Retrieved from <https://doi.org/10.15578/jkn.v17i3.9982>
- Rosanti, L. K. dan D. (2019). Struktur Komunitas Zooplankton di Danau Opi Jakabaring Palembang. *Karakteristik Bakteri Asam Laktat Yang Diisolasi Dari Susu Kuda Sumba*, 7(1)(1408), 274–282.
- Rosnawati, V., & Kaharudin, L. ode. (2020). Pengembangan Ensiklopedia Berbasis Potensi Lokal Yang Terdapat Di Wakatobi Pada Materi Pokok Animalia Invertebrata (Mollusca Dan Echinodermata). *JIKAP PGSD: Jurnal Ilmiah Ilmu Kependidikan*, 4(1), 84. Retrieved from <https://doi.org/10.26858/jkp.v4i1.12055>
- Safitri, Y. (2019). Rancangan Ensiklopedia dalam Membangun Citra Positif. *Shaut Al-Maktabah : Jurnal Perpustakaan, Arsip Dan Dokumentasi*, 11(2), 222–232. Retrieved from <https://doi.org/10.37108/shaut.v11i2.253>
- Sandi, M. A., Arthana, I. W., & Sari, A. H. W. (2017). Bioassessment dan Kualitas Air Daerah Aliran Sungai Legundi Probolinggo Jawa Timur. *Journal of Marine and Aquatic Sciences*, 3(2), 233. Retrieved from <https://doi.org/10.24843/jmas.2017.v3.i02.233-241>
- Sanjaya, F. L. A., Dewi, N. K., & Pujiati. (2019). Keanekaragaman Dan Kemelimpahan Larva Insekta Akuatik Ekosistem Sungai Air Terjun Srambang Ngawi Sebagai Bahan Penyusun Media Pembelajaran Audiovisual. *Prosiding Seminar Nasional Simbiosis IV*, 90–97.
- Sari, C. M., Leksono, S. M., & Suryani, D. I. (2024). PENGEMBANGAN BAHAN AJAR e-ENSIKLOPEDIA IPA BERBASIS ETNOSAINS DENGAN TEMA RAGAM JAMU INDONESIA UNTUK MENUMBUHKAN MINAT BELAJAR SISWA SMP KELAS VIII. *EDUPROXIMA: Jurnal Ilmiah Pendidikan IPA*, 6(3), 827–837. Retrieved from <https://doi.org/10.29100/.v6i3.4557>
- Siregar, N. S., Dimenta, R. H., & Sari, N. F. (2024). Design of an e-encyclopedia

- of the order of odonata from sumatra as student teaching material. *JPBIO (Jurnal Pendidikan Biologi)*, 9(1), 111–122. Retrieved from <https://doi.org/10.31932/jpbio.v9i1.3397>
- Subramanian, K. A., & Sivaramakrishnan, K. G. (2007). Aquatic Insects of India-A Field Guide. *Ashoka Trust for Ecology and Environment (ATREE), Bangalore, India*, 62.
- Surya Indrawan, G., Yusup, D. S., & Ulinuha, D. (2016). Asosiasi Makrozoobentos Pada Padang Lamun Di Pantai Merta Segara Sanur, Bali. *Jurnal Biologi Udayana*, 20(1), 11–16. Retrieved from <https://doi.org/10.24843/jbiounud.2016.v20.i01.p03>
- Suryani, I. S., Ismail, I., Nur Fadilla, K., & Hasmunarti, H. (2022). Pengembangan Media E-Ensiklopedia Sistem Gerak Sebagai Sumber Belajar Untuk Kelas Xi. *Jurnal Biogenerasi*, 7(1), 50–59. Retrieved from <https://doi.org/10.30605/biogenerasi.v7i1.1630>
- Toto, N., Khattab, S., El-Abbassy, S., & El-Saidy, S. (2024). The possibility of using *Culex pipiens* (Diptera: Culicidae) larvae as a bioindicator of water pollution in Burullus Lake, Egypt. *Journal of Medical and Life Science*, 6(2), 144–164. Retrieved from <https://doi.org/10.21608/jmals.2024.351977>
- Trianto, M., Nuraini, N., Sukmawati, S., & Dahri Kisman, M. (2020). Keanekaragaman Genus Serangga Air sebagai Bioindikator Kualitas Perairan. *Justek: Jurnal Sains Dan Teknologi*, 3(2), 61. Retrieved from <https://doi.org/10.31764/justek.v3i2.3562>
- Ubaid, A. R. (2019). KEANEKARAGAMAN MAKROZOOBENTOS DI PERAIRAN SUNGAI AMPRONG KECAMATAN PONCOKUSUMO KABUPATEN MALANG. *Sustainability (Switzerland)*, 11(1), 1–14. Retrieved from http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbeco.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI
- Vilenica, M., Kerovec, M., Pozojević, I., & Mihaljević, Z. (2021). Odonata assemblages in anthropogenically impacted lotic habitats. *Journal of Limnology*, 80(1). Retrieved from <https://doi.org/10.4081/jlimnol.2020.1968>
- Yuhanna, W. L., & Retno, R. S. (2018). Pengembangan modul Zoologi Vertebrata terintegrasi Scientific Inquiry. *Proceeding Biology Education Conference*, 15(1), 614–619. Retrieved from <https://jurnal.uns.ac.id/prosbi/article/download/32636/21624>
- Zunaidah, F. N., & Amin, M. (2016). Development of Teaching Materials for Biotechnology Subjects Based on Needs and Characteristics of Students of Universitas Nusantara PGRI Kediri. *Indonesian Biology Education*, 2(1), 19–30.