

DAFTAR PUSTAKA

- Abdullahi, A. B., Siregar, A. R., Pakiding, W., & Mahyuddin. (2021). The analysis of BOD (Biological Oxygen Demand) and COD (Chemical Oxygen Demand) contents in the water of around laying chicken farm. *IOP Conference Series: Earth and Environmental Science*, 788(1), 1 – 6. <https://doi.org/10.1088/1755-1315/788/1/012155>
- Adhani, R & Husaini. (2017). *Logam Berat Sekitar Manusia*. Banjarmasin: Lambung Mangkurat University Press.
- Ahmad, F. (2009). Tingkat Pencemaran Logam Berat Dalam Air Laut Dan Sedimen Di Perairan Pulau Muna, Kabaena, Dan Buton Sulawesi Tenggara. *Makara Journal of Science*, 13(2), 117 – 124. <https://scholarhub.ui.ac.id/scienceAvailableat:https://scholarhub.ui.ac.id/science/vol13/iss2/4>
- Arief, M. (2015). Development Of Dissolved Oxygen Concentration Extraction Model Using Landsat Data Case Study: Ringgung Coastal Waters. In *International Journal of Remote Sensing and Earth Sciences*, 12(1), 1 – 12.
- Asnil, Mudikdjo, K, Hardjoamidjojo, S, Ismail, A. 2013. Analisis Kebijakan Pemanfaatan Sumberdaya Danau Yang Berkelanjutan (Studi Kasus Danau Maninjau Sumatera Barat). *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*. 3(1): 1-9
- Astuti, L. P., Warsa, A., Nurfiarini, A., & Tjahjo, D. W. H. (2021). Bioaccumulation of non-essential heavy metals in fish in Ir H Djuanda Reservoir, West Java. *IOP Conference Series: Earth and Environmental Science*, 744(1), 1 – 7. <https://doi.org/10.1088/1755-1315/744/1/012004>
- Azhari, RM. 2019. *Bioconcentration factor (BCF) Logam Pb, Hg dan Cd Pada Daging Ikan Nila (Oreochromis niloticus) di Danau Maninjau Provinsi Sumatera Barat*. Tugas Akhir. Sarjana. Departemen Teknik Lingkungan Universitas Andalas.
- Badan Pusat Statistik. (2019). *Kabupaten Agam dalam Angka 2019*.
- Badan Pusat Statistik. (2021). *Kecamatan Tanjung Raya dalam Angka 2021*.
- Badan Pusat Statistik. (2022). *Kabupaten Agam dalam Angka 2022*.
- Badan Standarisasi Nasional. (2008). *SNI 6989.57:2008 tentang Metoda Pengambilan Contoh Air Permukaan*.
- Badan Standarisasi Nasional. (2018). *SNI 6989.82:2018 tentang Cara Uji Logam Menggunakan Spektrofotometer Emisi Atom Inductively Coupled Plasma Optical Emission Spectrometric (ICP-OES)*.
- Badriah, NL. (2018). *Analisis Logam Berat Cd, Hg, Pb, Cu, Zn pada Perairan dan Sedimen di Danau Maninjau Kabupaten Agam Sumatera Barat*. Tugas Akhir. Sarjana. Departemen Teknik Lingkungan Universitas Andalas.
- Banta, G., & Salibay, C. (2023). Heavy metal contamination in the soil and Taal Lake Post-Taal Volcano eruption. *Journal of Applied Science, Engineering, Technology, and Education*, 5(2), 150–158. <https://doi.org/10.35877/454ri.asci1915>
- Basuki, TR & Yuliadi, I. (2014). *Electronic Data Processing (Spss 15 Dan Eviews 7)*. Sleman: Danisa Media.

- Bengtsson, L., Herschy, R. W., & Fairbridge, R. W. (Eds.). (2012). *Encyclopedia of Lakes and Reservoirs*. Springer Netherlands. <https://doi.org/10.1007/978-1-4020-4410-6>
- Bernhardt, E. S., Rosi, E. J., & Gessner, M. O. (2017). Synthetic chemicals as agents of global change. *Frontiers in Ecology and the Environment*, 15(2), 84–90. <https://doi.org/10.1002/fee.1450>
- Bimantoro, S. 2022. *Analisis Risiko Logam Berat Pb, Hg Dan As pada Daging Ikan Nila (Oreochromis Niloticus) terhadap Kesehatan Masyarakat di Danau Maninjau Provinsi Sumatera Barat Tugas Akhir*. Sarjana. Departemen Teknik Lingkungan Universitas Andalas.
- Bustami., Abdullah, D., & Fadlisyah. (2014). *Statistika Terapannya Pada Bidang Informatika*. Yogyakarta: Graha Ilmu.
- Butcher, J. B., Nover, D., Johnson, T. E., & Clark, C. M. (2015). Sensitivity of lake thermal and mixing dynamics to climate change. *Climatic Change*, 129(1–2), 295–305. <https://doi.org/10.1007/s10584-015-1326-1>.
- Canadian Council of Ministers of the Environment. (2001). *Canadian Environmental Quality Guidelines*
- Chowfin, A., Nikola, G., & Ulrike, G. (2023). Effect of Rainfall on Water Parameters in Recreational Lakes in Heidelberg, Germany. *IgMin Research*, 2(2), 121–126. <https://doi.org/10.61927/igmin153>
- Dalezios, N. R., Eslamian, S., Ostad-Ali-Askari, K., Rabbani, S., & Saeidi-Rizi, A. (2018). Sediments. In *Encyclopedia of Earth Sciences Series* (pp. 1–2). Springer Science and Business Media B.V. https://doi.org/10.1007/978-3-319-12127-7_254-1
- Daroini, TA & Arisandi, A. (2020). Analisis Bod (Biological Oxygen Demand) di Perairan Desa Prancak Kecamatan Sepulu, Bangkalan. *Jurnal Ilmiah Kelautan dan Perikanan*, 1(4), 558 – 566. <https://doi.org/10.21107/juvenil.v1i4.9037>
- Dibofori-Orji, A. N., Ihunwo, O. C., Udo, K. S., Shahabinia, A. R., Onyema, M. O., & Mmom, P. C. (2019). Spatial and temporal distribution and contamination assessment of heavy metal in woji creek. In *Environmental Research Communications*. 1(11), 1 – 10. <https://doi.org/10.1088/2515-7620/ab4a8c>
- Dinas Lingkungan Hidup. (2020). *Informasi Kinerja Pengelolaan Lingkungan Hidup Kabupaten Agam*.
- Dinas Lingkungan Hidup Kabupaten Agam. (2021). Laporan Indeks Kualitas Air (IKA) Tahun 2021. Sumatera Barat: Kabupaten Agam.
- Diniz, A. S., Filho, S. L. N., Gama, W. A., & Moura, A. N. (2022). Temporal and vertical variation of phytoplankton and zooplankton in two tropical reservoirs with different trophic states. *Anais Da Academia Brasileira de Ciencias*, 94(2), 1 – 20. <https://doi.org/10.1590/0001-3765202220200624>
- Ebrahimpour, M., & Mushrifah, I. (2008). Heavy metal concentrations in water and sediments in Tasik Chini, a freshwater lake, Malaysia. *Environmental Monitoring and Assessment*, 141(1–3), 297–307. <https://doi.org/10.1007/s10661-007-9896-7>
- Effendi, H. (2003). *Telaah Kualitas Air bagi Pengelolaan Sumber Daya dan Lingkungan Perairan*. Yogyakarta: Kanisius.

- Esta, K. A., Suarya, P., & Suastuti, Ni G.A.M.D.A., (2016). Penentuan Status Mutu Air Tukad Yeh Poh dengan Metode Storet. *Jurnal Kimia*, 10(1), 65 – 74. ISSN 1907-9850
- García-Avila, F., Loja-Suco, P., Siguenza-Jeton, C., Jiménez-Ordoñez, M., Valdiviezo-Gonzales, L., Cabello-Torres, R., & Aviles-Añazco, A. (2023). Evaluation of the water quality of a high Andean lake using different quantitative approaches. *Ecological Indicators*, 154. <https://doi.org/10.1016/j.ecolind.2023.110924>
- Gâștescu, P. (2009). Limnology, Lake Basins, Lake Water. In *Lakes, reservoirs and ponds*, 3(1), 7 – 12.
- Ghalib, H. S., & Ramal, M. M. (2021). Spatial and temporal water quality evaluation of heavy metals of Habbaniyah Lake, Iraq. *International Journal of Design and Nature and Ecodynamics*, 16(4), 467–475. <https://doi.org/10.18280/ijdne.160414>
- Gunes, G. (2022). The Change of Metal Pollution in The Water and Sediment of The Bartın River in Rainy and Dry Seasons. *Environmental Engineering Research*, 27(2), 1 – 12. <https://doi.org/10.4491/eer.2020.701>
- Haffner, G. D., Yallop, M. L., Hebert, P. D. N., & Griffiths, M. (1984). Ecological Significance of Upwelling Events in Lake Ontario. *Journal of Great Lakes Research*, 10(1), 28–37. [https://doi.org/10.1016/S0380-1330\(84\)71804-1](https://doi.org/10.1016/S0380-1330(84)71804-1)
- Harlina. (2021). *Limnologi : Kajian Menyeluruh Mengenai Perairan Darat*. Makassar: Guwana Lestari
- Henny, C dan Nomosatryo, S. (2012). Dinamika Sulfida di Danau Maninjau: Implikasi Terhadap Pelepasan Fosfat di Lapisan Hipolimnion. *Limnotek*, 19(2), 102 – 112.
- Hidayat. (2019). Trend of rainfall over Indonesian major lakes from tropical rainfall measuring mission data. *IOP Conference Series: Earth and Environmental Science*, 303(1), 1 – 10. <https://doi.org/10.1088/1755-1315/303/1/012019>
- Horppila, J. (2019). Sediment nutrients, ecological status and restoration of lakes. In *Water Research* (Vol. 160, pp. 206–208). Elsevier Ltd. <https://doi.org/10.1016/j.watres.2019.05.074>
- Ibrahim, S., Amri, M., Taufiq, M. (2013). Turbidity Measurement Using An Optical Tomography System. *International Journal of Science and Engineering*, 5(2), 66 – 72. <https://doi.org/10.12777/ijse.5.2.66-72>
- Irianti, TT., Kuswandi., Nuranto, S., & Budiyatni, A. (2017). *Logam Berat & Kesehatan*. Yogyakarta
- Kadeem, ZJ., Al-Obaidy AH., & Hassan, FM. (2022). Monitoring of Water Quality of Artificial Lake by Using WQI for Protection of Aquatic Life. *Indian Journal of Ecology*, 49(18), 308 – 311. <https://www.researchgate.net/publication/360010133>
- Kadir. (2010). *Statistika untuk Penelitian Ilmu – Ilmu Sosial*. Jakarta: Rosemata Sampurna
- Kashyap, R., & Verma, & K. S. (2015). Seasonal Variation Of Certain Heavy Metals In Kuntbhyog Lake Of Himachal Pradesh, India. *Journal of Environment, Ecology, Family and Urban Studies (JEEFUS)*, 1(1), 15 – 26.
- Kementerian Pekerjaan Umum Direktorat Jendral Sumber Daya Air Satker Balai Wilayah Sungai Sumatera V. (2014). Laporan Akhir Pengukuran

Bathrimetru dan Zonasi Danau Maninjau di Kabupaten Agam Propinsi Sumatera Barat.

- Kementerian Negara Lingkungan Hidup. (2003). Keputusan Menteri Negara Lingkungan Hidup Nomor 115 tentang Pedoman Penentuan Status Mutu Air.
- Khairuddin., Yamin, M., Syukur, A. (2019). Penyuluhan Tentang Sumber-Sumber Kontaminan Logam Berat Pada Siswa Sman 1 Belo Kabupaten Bima. *Jurnal Pendidikan dan Pengabdian Masyarakat*, 2(1), 64 – 71.
- Khazaal, S. H., Al-Azawi, K. F., Eassa, H. A., Khasraghi, A. H., Alfatlawi, W. R., & Al-Gebori, A. M. (2019). Study the level of some heavy metals in water of lake habbaniyah in Al-Anbar-Iraq. *Energy Procedia*, 157, 68–74. <https://doi.org/10.1016/j.egypro.2018.11.165>
- Komala, P. S., Nur, A., Badriah, N. L., Harefa, M., Silvia, S., Ridwan, & Zulkarnaini. (2021). An Assessment of Heavy Metals Pollution in the Waters and Sediments of Lake Maninjau, Indonesia. *IOP Conference Series: Materials Science and Engineering*, 1041(1), 012031. <https://doi.org/10.1088/1757-899x/1041/1/012031>
- Kowalczywska-Madura, K., Gołdyn, R., Kozak, A., Kuczyńska-Kippen, N., & Dondajewska-Pielka, R. (2022). Sustainable Restoration as a Tool for the Improvement of Water Quality in a Shallow, Hypertrophic Lake. *Water (Switzerland)*, 14(7), 1 – 18. <https://doi.org/10.3390/w14071005>
- Kristyaka, H,S,R. (2018). Optimasi Kondisi Proses Pengendapan Hidroksida Logam - Logam Berat Kromium Dan Nikelsecara Bertingkat Dalam Limbah Cair Elektroplating. *Jurnal Ilmiah Kanderang Tingang*, 9(2), 150 – 165.
- Kusumaningtyas, MA., Bramawanto, R., Daulat, A., dan Pranowo, WS. (2014). The Water Quality of Natuna Coastal Water During Transitional Season. *Depik*, 3(1), 10–20.
- Lew, S., Glińska-Lewczuk, K., Burandt, P., Grzybowski, M., & Obolewski, K. (2023). Fecal bacteria in coastal lakes: An anthropogenic contamination or natural element of microbial diversity? *Ecological Indicators*, 152. <https://doi.org/10.1016/j.ecolind.2023.110370>
- Li, G., Liu, G., Zhou, C., Chou, C. L., Zheng, L., & Wang, J. (2012). Spatial Distribution and Multiple Sources of Heavy Metals in The Water of Chaohu Lake, Anhui, China. In *Environmental Monitoring and Assessment*, 184(5), 2763–2773. <https://doi.org/10.1007/s10661-011-2149-9>
- Li, Y., Zhou, S., Jia, Z., Liu, K., & Wang, G. (2021). Temporal and Spatial Distributions and Sources of Heavy Metals in Atmospheric Deposition in Western Taihu Lake, China. *Environmental Pollution*, 284, 1 – 8. <https://doi.org/10.1016/j.envpol.2021.117465>
- Lu, M., Zhang, Z. Z., Wang, J. X., Zhang, M., Xu, Y. X., & Wu, X. J. (2014). Interaction of heavy metals and pyrene on their fates in soil and tall fescue (*Festuca arundinacea*). *Environmental Science and Technology*, 48(2), 1158–1165. <https://doi.org/10.1021/es403337t>
- Lukman., Sutrisno., Hamdani, A. (2013). Pengamatan Pola Stratifikasi di Danau Maninjau Sebagai Potensi Tubo Belerang. *Limnotek*, 20(2), 129 – 140.
- Marganof., Darusman, LK., Riani, E., & Pramudya, B. (2007). Analisis Beban Pencemaran, Kapasitas Asimilasi dan Tingkat Pencemaran Dalam Upaya

- Pengendalian Pencemaran Perairan Danau Maninjau. *Jurnal Perikanan dan Kelautan*, 12 (1), 8 – 14.
- Mastoi, G. M., Shah, S. G. S., & Khuhawar, M. Y. (2008). Assessment of water quality of Manchar Lake in Sindh (Pakistan). *Environmental Monitoring and Assessment*, 141(1–3), 287–296. <https://doi.org/10.1007/s10661-007-9895-8>
- Masykur, HZ., Amin, B., Jasril., Siregar, SH. (2018). *Analisis Status Mutu Air Sungai Berdasarkan Metode STORET Sebagai Pengendalian Kualitas Lingkungan (Studi Kasus: Dua Aliran Sungai di Kecamatan Tembilahan Hulu, Kabupaten Indragiri Hilir, Riau)*. *Dinamika Lingkungan Indonesia*. pp 84 – 96.
- Mehrgan, MS., Shekarabi, SPH., Hassanzadeh, B., & Alhosseini, SHS. (2019). Seasonal Variations of Cadmium and Lead Concentrations in Water, Sediments, and Tissues of Fish in Mellat Artificial Lake, Iran. *Journal of Human, Environment, and Health Promotion*, 5(4), 177–182. <https://doi.org/10.29252/jhehp.5.4.6>
- Mudikdjo, K., Hardjoamidjojo, S., & Ismail, A. (2013). Analysis of Lake Resources Sustainable Utilization Policy (Case Study of Maninjau Lake in West Sumatera). In *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan* (Vol. 3, Issue 1).
- Muhid, A. (2019). *Analisis Statistik 5 Langkah Praktis Analisis Statistik dengan SPSS for Windows Edisi ke 2*. Sidoarjo: Zifatama Jawa.
- Muhtadi, A., Yulianda, F., Boer, M., & Krisanti, M., Riani, E., Leidonald, R., Hasani, Q., Cordova, MR. (2023). Assessment Of Pollution Status Of Tropical Coastal Lakes Using Modified Water Quality Index (WQI) Based On Physio-Chemical Parameters. *AACL bioflux*. 16 Issue 1, 356 – 370. <http://www.bioflux.com.ro/aac1>
- Nasrum, A. (2018). *Uji Normalitas Data untuk Penelitian*. Bali: Jayapangus Press.
- Nazir, E., Hadi, A., Prajanti, A., & Nasution, EL. (2017). Water Quality Study Of Maninjau And Rawapening Lakes Through The Water Quality Index Approach. *Ecolab*, 11(1), 1 – 52.
- Negara, G. S. (2020). Dampak Lingkungan Terhadap Pencemaran Laut di Pesisir Utara Pulau Bintan Selama Musim Angin Utara. *Jurnal Saintek Maritime*, 20(2), 137 – 144.
- Nurfadhilla, N., Nurruhwati, I., Sunardi., & Zahidah. (2020). Tingkat Cemaran Logam Berat Timbal (Pb) pada Tutut (*Filopaludina Javanica*) Di Waduk Cirata, Jawa Barat. *Jurnal Akuatika Indonesia*, 5(2) 61 – 70.
- Nurhasni., Hendrawati., & Saniyyah, N. (2014). Sekam Padi untuk Menyerap Ion Logam Tembaga dan Timbal dalam Air Limbah. *Jurnal Kimia Valensi*, 4(1), 36 – 44.
- Pance, R., Sarrafah, A., Manurung, H., Harahap, TN, Retnowati, I, Nasution, SR, & Rustadi, WC. (2014). *Gerakan Penyelamatan Danau (GERMADAN) Tempe*. Jakarta: Kementerian Lingkungan Hidup
- Patimah, AS & Suratman. (2020). Dampak Eksploitasi Minyak & Gas Bumi Pada Degradasi Biota Perairan dan Penurunan Kualitas Air Permukaan. *Jurnal OFFSHORE*, 4(1), 17–27.

- Pemerintah Republik Indonesia. (2009). *Undang-Undang Republik Indonesia Nomor 32 Tahun 2009 tentang Perlindungan Dan Pengelolaan Lingkungan Hidup*
- Pemerintah Republik Indonesia. (2021). *Peraturan Pemerintah Nomor 22 Tahun 2021 tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup*
- Pohl, A. (2020). Removal of Heavy Metal Ions from Water and Wastewaters by Sulfur-Containing Precipitation Agents. In *Water, Air, and Soil Pollution*, 231(10), 1 – 17. <https://doi.org/10.1007/s11270-020-04863-w>
- Prasetya, A., & Walukow, A. F. (2021). Analisis Mutu Air Danau Area Gelanggang Expo Dengan Metode Indeks Pencemaran di Kota Jayapura. *Dinamika Lingkungan Indonesia*, 8(1), 42 – 47. <https://doi.org/10.31258/dli.8.1.p.42-47>
- Prayoga, G., Hariyadi, S., Sulistiono, & Effendi, H. (2021). Heavy Metal (Pb, Hg, Cu) Contamination Level in Sediment and Water in Segara Anakan Lagoon, Cilacap, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 744(1), 1 – 14. <https://doi.org/10.1088/1755-1315/744/1/012055>
- Purnomo., Sutadji, E., Utomo, W., Purnawirawan, O., Farich, R., Sulistianingsih., Fajarwati, R., Carina, A., Gilang, N. (2022). *Analisis Data Multivariat*. Banyumas: Omera Pustaka.
- Puslatluh. (2021). Laporan Hasil Pendataan Keramba Jaring Apung di Danau Maninjau. Badan Riset dan Sumber Daya Manusia Kelautan dan Perikanan-Kementerian Kelautan dan Perikanan. Jakarta
- Putri, IAP., & Dalimunthe, SA. (2020). *Dilema Pengelolaan Danau secara Multifungsi Perspektif Sosial dan Ekonomi*. Jakarta: LIPI Press
- Qin, Y., & Tao, Y. (2022). Pollution status of heavy metals and metalloids in Chinese lakes: Distribution, bioaccumulation and risk assessment. In *Ecotoxicology and Environmental Safety*, 248, 1 – 12. <https://doi.org/10.1016/j.ecoenv.2022.114293>
- Quevedo-Castro, A., Bandala, E. R., Rangel-Peraza, J. G., Amábilis-Sosa, L. E., Sanhouse-García, A., & Bustos-Terrones, Y. A. (2019). Temporal and spatial study of water quality and trophic evaluation of a large tropical reservoir. *Environments MDPI*, 6(61), 1 – 15. <https://doi.org/10.3390/environments6060061>
- Quirós, R. (2003). The relationship between nitrate and ammonia concentrations in the pelagic zone of lakes. *Limnetica*, 22(1–2), 37–50. <https://doi.org/10.23818/limn.22.03>
- Ratnaningsih, D., Lestari, RP., Nazir, E., & Fauzi, R. (2018). The Development Of Water Quality Index As An Alternative Assessment Of River Water Quality. *Ecolab*. 12(2), 53 – 102.
- Rinawati., Hidayat, D., Suprianto, R., & Dewi, PS. (2016). Penentuan Kandungan Zat Padat (Total Dissolve Solid Dan Total Suspended Solid) Di Perairan Teluk Lampung. In *Analit: Analytical and Environmental Chemistry*, 1(1), 36 – 46.
- Rohman, A., Fauzi, A. I., Ardani, N. H., Nuha, M. U., Perdana, R. S., Nurtyawan, R., & Lotfata, A. (2023). Monitoring Biochemical Oxygen Demand (BOD) Changes During a Massive Fish Kill Using Multitemporal Landsat-8

- Satellite Images in Maninjau Lake, Indonesia. *Forum Geografi*, 37(1). <https://doi.org/10.23917/forgeo.v37i1.21307>
- Romdania, Y., Herison, A., Susilo, G. E., & Novilyansa, E. (2018). Kajian Penggunaan Metode IP, Storet, dan CCME WQI dalam Menentukan Status Kualitas Air. *Spatial Wahana Komunikasi Dan Informasi Geografi*, 18(2), 133 – 141. E-ISSN: 2580 - 9830
- Rooney, GG., van Lipzig, N., & Thiery, W. (2018). Estimating the effect of rainfall on the surface temperature of a tropical lake. *Hydrology and Earth System Sciences*, 22(12), 6357–6369. <https://doi.org/10.5194/hess-22-6357-2018>
- Rosalina, L., Oktarina, R., Rahmiati., Saputra, I. (2023). *Buku Ajar Statistika*. Padang: CV. Maharika Rumah Ilmiah.
- Rustam, A., Adi, N. S., Mustikasari, E., Kepel, T. L., & Kusumaningtyas, M. A. (2018). Characteristics Of Sediment Distribution And Sedimentation Rate In The Bay Of Banten. *Jurnal Segara*, 14(3), 137 – 144. <https://doi.org/10.15578/segara.v14i3.7351>
- Rustam, DA. (2019). *Identifikasi Pencemaran Air Pada Sungai Bila Kabupaten Sidrap – Kabupaten Wajo*. Tugas Akhir. Sarjana. Jurusan Teknik Sipil Universitas Bosowa.
- Saputra, R. (2016). *Keanekaragaman Jenis Plankton Di Danau Tahai Kelurahan Tumbang Tahai Kecamatan Bukit Batu Provinsi Kalimantan Tengah*. Tugas Akhir. Sarjana. Jurusan Pendidikan MIPA Institut Agama Islam Negeri Palangkaraya.
- Saragih, C. L., & Haloho, R. D. (2020). Analisis Logam Berat Pb, Cu Dan Mn Akibat Abu Vulkanik terhadap Pencemaran Tanah dan Air di Kabupaten Karo. *Jurnal Agroteknosains*, 4(2) 63 – 72.
- Saturday, A., Lyimo, T. J., Machiwa, J., & Pamba, S. (2021). Spatio-temporal variations in physicochemical water quality parameters of Lake Bunyonyi, Southwestern Uganda. *SN Applied Sciences*, 3(7). <https://doi.org/10.1007/s42452-021-04672-8>
- Setiawan, NCE., & Widiyanti, A. I. (2018). Efektivitas Antibakteri Ekstrak Etanol Daun Melinjo (*Gnetum Gnetum* L.) Terhadap Bakteri *Escherichia Coli*. *Jurnal Cis-Trans*, 2(1), 12 – 17.
- Siaka, I. M. (2008). Korelasi Antara Kedalaman Sedimen Di Pelabuhan Benoa Dan Konsentrasi Logam Berat Pb Dan Cu. *Jurnal Kimia*, 2(2), 61 – 70.
- Simanjuntak, M. (2007). Oksigen Terlarut dan Apparent Oxygen Utilization di Perairan Teluk Klabat, Pulau Bangka. *Jurnal Ilmu Kelautan*, 12(2), 59 – 66.
- Sim, S. F., & Tai, S. E. (2018). Assessment of a Physicochemical Indexing Method for Evaluation of Tropical River Water Quality. *Journal of Chemistry*, 2018, 1 – 12. <https://doi.org/10.1155/2018/8385369>
- Simpson, S. L., Maher, E. J., & Jolley, D. F. (2004). Processes controlling metal transport and retention as metal-contaminated groundwaters efflux through estuarine sediments. *Chemosphere*, 56(9), 821–831. <https://doi.org/10.1016/j.chemosphere.2004.04.001>
- Smith, D. L., Cooper, M. J., Kosiara, J. M., & Lamberti, G. A. (2016). Body burdens of heavy metals in Lake Michigan wetland turtles. *Environmental Monitoring and Assessment*, 188(2), 1–14. <https://doi.org/10.1007/s10661-016-5118-5>

- Soejarwo, P. A., Koeshendrajana, S., Apriliani, T., Yuliaty, C., Deswati, R. H., Sari, Y. D., Sunoko, R., & Sirait, J. (2022). Pengelolaan Perikanan Budidaya Keramba Jaring Apung (Kja) Dalam Upaya Penyelamatan Danau Maninjau. *Jurnal Kebijakan Sosial Ekonomi Kelautan Dan Perikanan*, 12(1), 79 – 87. <https://doi.org/10.15578/jksekp.v12i1.10973>
- Søndergaard, M., Johansson, L. S., E. Levi, E., Lauridsen, T. L., & Jeppesen, E. (2020). Lake types and their definition: a case study from Denmark. *Inland Waters*, 10(2), 227–240. <https://doi.org/10.1080/20442041.2020.1752081>
- Sui, Q., Duan, L., Zhang, Y., Zhang, X., Liu, Q., & Zhang, H. (2022). Seasonal Water Quality Changes and the Eutrophication of Lake Yilong in Southwest China. *Water (Switzerland)*, 14(21). <https://doi.org/10.3390/w14213385>
- Sulastri., Nasution, S. H., & Akhdiana, I. (2021). *Temporal variation of physico-chemical characteristics and phytoplankton composition of three urban lakes in Cibinong, West Java, Indonesia* (Vol. 14). <http://www.bioflux.com.ro/aac1>
- Sunaryani, A. (2023). Determination of Water Quality Status and Trophic Classification of Lake Maninjau. *Jurnal Teknologi Lingkungan*, 24(1), 021 – 027.
- Syandri H., Junaidi.,Azrita. and Yunus T. (2014). State of Aquatic Resources Maninjau Lake West Sumatra Province, Indonesia. *Journal of Ecology and Environmental Sciences*, 5(1), 109 – 113.
- Syandri, H., & Hafrijal Syandri, C. (2015). International Journal of Fisheries and Aquatic Studies 2015; 3(2): 273-278 Heavy Metals in Maninjau Lake, Indonesia: water column, sediment and biota. *IJFAS*, 3(2), 273–278. www.fisheriesjournal.com
- Tekin-Özan, S., & Aktan, N. (2012). Relationship of Heavy Metals in Water, Sediment and Tissues with Total Length, Weight and Seasons of *Cyprinus carpio* L., 1758 From Işikli Lake (Turkey). *Pakistan Journal of Zoology*, 44(5), 1405 – 1416. <https://www.researchgate.net/publication/286169833>
- Tokaliogu, S., Kartal, S., & Elçi, L. (2000). Speciation and Determination of Heavy Metals in Lake Waters by Atomic Absorption Spectrometry after Sorption on Amberlite XAD-16 Resin. *Analytical Sciences*, 16, 1169 – 1174.
- Tonetta, D., Staehr, P. A., Schmitt, R., & Petrucio, M. M. (2016). Physical conditions driving the spatial and temporal variability in aquatic metabolism of a subtropical coastal lake. *Limnologica*, 58, 30–40. <https://doi.org/10.1016/j.limno.2016.01.006>
- United States Environmental Protection Agency. (1996). *Method 3050B tentang Acid Digestion of Sediments, Sludges, and Soils*.
- United States Environmental Protection Agency. (2001). *USEPA tentang Methods for Collection, Storage and Manipulation of Sediments for Chemical and Toxicological Analyses: Technical Manual*.
- Verma, P., Chandawat, D., Gupta, U., and Solanki, H., (2012). Water Quality Analysis of an Organically Polluted Lake by Investigating Different Physical and Chemical Parameters. *International Journal of Research in Chemistry and Environment*. 2(1), 105 – 111. ISSN 2248-9649 <https://www.researchgate.net/publication/249649417>
- Wang, J., Huang, L., Ju, J., Daut, G., Wang, Y., Ma, Q., Zhu, L., Haberzettl, T., Baade, J., & Mäusbacher, R. (2019). Spatial and temporal variations in

water temperature in a high-altitude deep dimictic mountain lake (Nam Co), central Tibetan Plateau. *Journal of Great Lakes Research*, 45(2), 212–223. <https://doi.org/10.1016/j.jglr.2018.12.005>

- Wardhani, E., Fitriani, NA., Apsari, VVG., Nopiyani, TR., Kusnadi, FK., & Rachmanita, FI. (2023). Analysis of Lake Water Quality in Cimahi City, West Jawa Province. *Jurnal Presipitasi*, 20(1), 67–76.
- Wassmann, R., Jagadish, S. V. K., Heuer, S., Ismail, A., Redona, E., Serraj, R., Singh, R. K., Howell, G., Pathak, H., & Sumfleth, K. (2009). Chapter 2 Climate Change Affecting Rice Production. The Physiological and Agronomic Basis for Possible Adaptation Strategies. In *Advances in Agronomy*, 101, 59–122. [https://doi.org/10.1016/S0065-2113\(08\)00802-X](https://doi.org/10.1016/S0065-2113(08)00802-X)
- Yudo, S. (2010). Kondisi Kualitas Air Sungai Ciliwung di Wilayah Dki Jakarta Ditinjau Dari Paramater Organik, Amoniak, Fosfat, Deterjen dan Bakteri Coli. *Jurnal Akuakultur Indonesia*, 6(1), 34 – 42.
- Zeng, J., Yang, L., Chen, X., Chuai, X., & Wu, Q. L. (2012). Introduction Spatial Distribution and Seasonal Variation of Heavy Metals in Water and Sediments of Taihu Lake. *Polish Journal of Environmental Studies*, 21(5), 1489 – 1496.

