

DAFTAR PUSTAKA

- Abu, M., Zango, M. S., & Kazapoe, R. W. (2024). Controls of groundwater mineralization assessment in a mining catchment in the Upper West Region, Ghana: Insights from hydrochemistry, pollution indices of groundwater, and multivariate statistics. *Innovation and Green Development*, 3(1), 100099.
- Achaw, O.W., & Danso-Boateng, E. (2021). *Soaps and Detergents in Chemical and Process Industries: With Examples of Industries in Ghana*. Cham: Springer International Publishing.
- Aditya, H. F., & Wijayanti, F. (2023). *Mengenal Karakteristik dan Jenis Tanah-Tanah Pertanian di Indonesia-Jejak Pustaka*. Bantul. Jejak Pustaka.
- Ahmed, A. M., & Shah, S. M. A. (2017). Application of adaptive neuro-fuzzy inference system (ANFIS) to estimate the biochemical oxygen demand (BOD) of Surma River. *Journal of King Saud University-Engineering Sciences*, 29(3), 237-243.
- Akhtar, N., Ishak, M. I. S., Ahmad, M. I., Umar, K., Md Yusuff, M. S., Anees, M. T., ... & Ali Almanasir, Y. K. (2021). Modification of the water quality index (WQI) process for simple calculation using the multi-criteria decision-making (MCDM) method. *Water*, 13(7), 905.
- Akhtar, M., & Qayoom, I. (2024). Sewage Pollution as a Major Cause for Deterioration of Water Quality in Lake Ecosystems. In *Aquatic Pollution* (pp. 145-161). CRC Press.
- Akinwa, A. O. (2023). *Agricultural Potentials of Soils Derived from Selected Parent Materials on the Jos Plateau, Nigeria* (Disertasi. Nigeria: University of Ibadan).
- Al Kholif, M. (2020). *Pengelolaan air limbah domestik*. Scopindo Media Pustaka.
- Al Kautsar, N., Fajriyanto, F., Anisa, R., & Sari, A. (2025). Penentuan lokasi TPA regional dengan metode binary dan weighted linear combination (WLC) di Kota Bandar Lampung. *Datum: Journal of Geodesy and Geomatics*, 5(1), 57-64.
- Alam, M. J. B., Manzano, L. S., Debnath, R., & Ahmed, A. A. (2024). Monitoring slope movement and soil hydrologic behavior using IoT and AI technologies: A systematic review. *Hydrology*, 11(8), 111.

- Annaafi, R. D., Wijaya, A. P., & Wahyuddin, Y. (2023). Analisis Distribusi Spasial Sektor Informal Kuliner non platform Super Apps di Ruang Publik (Studi Kasus: Kecamatan Banyumanik, Kota Semarang). *Jurnal Geodesi Undip*, 12(3), 211-220.
- Apogba, J. N., Anornu, G. K., Koon, A. B., Dekongmen, B. W., Sunkari, E. D., Fynn, O. F., & Kpiebaya, P. (2024). Application of machine learning techniques to predict groundwater quality in the Nabogo Basin, Northern Ghana. *Heliyon*, 10(7).
- Arora, U., Khuntia, H. K., Chanakya, H. N., & Kapley, A. (2023). Surfactants: combating the fate, impact, and aftermath of their release in the environment. *International Journal of Environmental Science and Technology*, 20(10), 11551-11574.
- Asrori, M. K. (2021). Pemetaan Kualitas Air Sungai Di Surabaya. *Envirotek: Jurnal Ilmiah Teknik Lingkungan*, 13(2), 41-47.
- Badan Pusat Statistik Kabupaten Sleman. (2024). *Kecamatan Mlati dalam angka 2024*. BPS Kabupaten Sleman.
- Balasubramanian, S. V., Pahlevan, N., Smith, B., Binding, C., Schalles, J., Loisel, H., ... & Boss, E. (2020). Robust algorithm for estimating total suspended solids (TSS) in inland and nearshore coastal waters. *Remote Sensing of Environment*, 246, 111768.
- Balqis, A. S., Siswoyo, H., & Yuliani, E. (2023). Penilaian Kualitas Air Tanah dan Pengaruhnya terhadap Kesehatan Masyarakat di Kecamatan Sukun Kota Malang. *Jurnal Sains dan Edukasi Sains*, 6(2), 65-74.
- Barrena-González, J., Lavado Contador, J. F., & Pulido Fernández, M. (2022). Mapping soil properties at a regional scale: assessing deterministic vs. geostatistical interpolation methods at different soil depths. *Sustainability*, 14(16), 10049.
- Begawan, N. B. D. (2025). A Sensitivity Assessment Framework for Frequency Ratio-Based Landslide Susceptibility Models: Evaluating the Role of Data Classification and Zonation. *International Journal of Geoinformatics*, 21(9).

- Bima, H. (2017). Penyusunan Skala Prioritas Pengembangan Lahan untuk Permukiman Baru di Kabupaten Sleman Berbantuan Sistem Informasi Geografi. *Geo Educasia*, 2(3), 375-384.
- Bok, F., Moog, H. C., & Brendler, V. (2023). The solubility of oxygen in water and saline solutions. *Frontiers in Nuclear Engineering*, 2, 1158109.
- Bowell, R. J., Clarkson, B., Prestia, A., Thorne, S., Donkervoort, L., Smith, J., & Sandoval, P. (2023). Sulfide variation in the Coeur Rochester silver deposit: Use of geologic block modeling in the prediction and management of mine waste. *Economic Geology*, 118(3), 527-547.
- Badan Standardisasi Nasional. (2021). *Metode pengambilan contoh uji air untuk pengujian fisika dan kimia (SNI 8995:2021)*. Jakarta: BSN.
- Cahyani, A., & Giyarsih, S. R. (2024). Pemekaran Kota di Yogyakarta: Analisis Morfologi Kota di Kelurahan Sinduadi Tahun 2021. *Jurnal Kawistara*, 14(1), 1-17.
- Cansa, R. A. M., Putranto, T. T., & Santi, N. (2024). Analisis Hidrogeokimia dan Kualitas Air Tanah untuk Air Minum di Dataran Aluvial Kota Semarang. *Jurnal Geosains dan Remote Sensing*, 5(1), 27-42.
- Charulatha, G., Srinivasalu, S., Uma Maheswari, O., Venugopal, T., & Giridharan, L. (2017). Evaluation of ground water quality contaminants using linear regression and artificial neural network models. *Arabian Journal of Geosciences*, 10, 1-9.
- Choi, H., Lee, E., Park, D., Park, C., Schembri, M., Schembri, D., ... & Kim, Y. (2024). Assessment of spatio-temporal variations in groundwater quality for the groundwater-dependent Maltese islands. *Journal of Hydrology: Regional Studies*, 54, 101875.
- D'Avino, M., Coelho, C. T. P., Si, G., Sivik, M. R., & Fulton, D. A. (2025). Modified Polysaccharides in Laundry Applications as Soil Release and Anti-Redeposition Additives. *Journal of Applied Polymer Science*, 142(22), e56968.
- Dangiran, H. L., & Dharmawan, Y. (2020). Analisis spasial kejadian diare dengan keberadaan sumur gali di Kelurahan Jabungan Kota Semarang. *Jurnal Kesehatan Lingkungan Indonesia*, 19(1), 68-75.

- Daniswara, A., Dahrin, D., & Setianingsih, S. (2020). Analysis And Modelling of Geoelectric Data Modeling for the Identification of Groundwater Aquifer at Cisarua Area, West Bandung. *Jurnal Geofisika*, 17(2), 22-25.
- Das, S., Nandi, D., Thakur, R. R., Bera, D. K., Behera, D., Durin, B., & Cetl, V. (2024). A Novel Approach for Ex Situ Water Quality Monitoring Using the Google Earth Engine and Spectral Indices in Chilika Lake, Odisha, India. *ISPRS International Journal of Geo-Information*, 13(11), 381.
- de Lima, V. F., Furrier, M., da Silva, R. M., & Santos, C. A. G. (2024). Morphostructural influence and neotectonic activity in the geomorphological configuration of southeast Paraíba and northeast Pernambuco, Brazil. *Heliyon*, 10(9).
- Dewi, Y. F. (2021). Pengaruh Kompensasi Dan Gaya Kepemimpinan Terhadap Kinerja Karyawan Pada Bisnis Laundry 99 Di Kecamatan Arcamanik Bandung Jawa Barat. *Jurnal Ekonomi dan Industri e-ISSN*, 2656, 3169.
- Dey, S., Botta, S., Kallam, R., Angadala, R., & Andugala, J. (2021). Seasonal variation in water quality parameters of Gudlavalleru Engineering College pond. *Green and Sustainable Chemistry*, 4, 100058.
- Dhaduti, M. S., Hunashyal, A. M., Dhaduti, S. C., Jalagar, S. R., & Mathad, S. N. (2024). Assessment of Groundwater Quality of Hubballi City, Karnataka, India by Using Canadian Council of Ministers of the Environment Water Quality Index, Weighted Arithmetic Water Quality Index and Geospatial Techniques. *Journal of The Institution of Engineers (India): Series A*, 1-7.
- Dhaduti, M. S., Hunashyal, A. M., Dhaduti, S. C., Jalagar, S. R., & Mathad, S. N. (2024). Assessment of Groundwater Quality of Hubballi City, Karnataka, India by Using Canadian Council of Ministers of the Environment Water Quality Index, Weighted Arithmetic Water Quality Index and Geospatial Techniques. *Journal of The Institution of Engineers (India): Series A*, 1-7.
- Eko, T., & Rahayu, S. (2012). Perubahan penggunaan lahan dan kesesuaiannya terhadap RDTR di wilayah peri-urban: Studi kasus Kecamatan Mlati. *Jurnal Pembangunan Wilayah & Kota*, 8(4), 330-340.
- Fikri, E., Sulistiawan, I. A., Riyanto, A., & Saputra, A. E. (2023). Neutralization of acidity (pH) and reduction of total suspended solids (TSS) by solar-powered electrocoagulation system. *Civil Engineering Journal*, 9(5), 1160-1172.

- Filzmoser, P., Hron, K., Templ, M., Filzmoser, P., Hron, K., & Templ, M. (2018). Correlation Analysis. *Applied Compositional Data Analysis: With Worked Examples in R. Cham: Springer.*149-162.
- García-Ramírez, P., Guillén, K., Sedov, S., Golden, C., Morell-Hart, S., Scherer, A., ... & Rivera, Y. (2024). Soil development and ancient Maya land use in the tropical karst landscape: Case of Busiljá, Chiapas, México. *Soil Science Society of America Journal*, 88(5), 1561-1582.
- Gertisser, R., del Marmol, M. A., Newhall, C., Preece, K., Charbonnier, S., Andreastuti, S., Handley, H., & Keller, J. (2023). Geological history, chronology and magmatic evolution of Merapi. In *Merapi Volcano: Geology, Eruptive Activity, and Monitoring of a High-Risk Volcano* (pp. 137-193). Cham: Springer International Publishing.
- Gupta, M. D. P., Haribowo, R., & Prayogo, T. B. (2020). Studi Penentuan Status Mutu Air Menggunakan Metode Indeks Pencemaran Dan WQI Di Tukad Badung, Denpasar. *Jurnal Teknik Pengairan: Journal of Water Resources Engineering*, 11(2), 83-93.
- Hadimuljono, B., & Paulus, K. (2019). *Infrastruktur Air Tanah yang Berkelanjutan*. Jakarta. Andi Offset.
- Hakim, D. L. (2019). *Ensiklopedi jenis tanah di dunia*. Ponorogo. Uwais Inspirasi Indonesia.
- Hamdhani, H., Eppehimer, D. E., & Bogan, M. T. (2020). Release of treated effluent into streams: A global review of ecological impacts with a consideration of its potential use for environmental flows. *Freshwater Biology*, 65(9), 1657-1670.
- Hartanto, F. V., Putranto, T. T., & Setiawan, T. (2024). Analisis Pengaruh Sebaran Litologi Terhadap Hidrogeokimia pada Akuifer Bebas Cekungan Air Tanah (CAT) Jakarta. *Jurnal Lingkungan dan Bencana Geologi*, 14(3), 136-148.
- Hendrayana, H., Nuha, A., Riyanto, I. A., & Aprimanto, B. (2021). Kajian Perubahan Muka Airtanah di Cekungan Airtanah Yogyakarta-Sleman. *Majalah Geografi Indonesia*, 35(1), 30-44.
- Hendrayana, H., & Vicente, V. A. S. (2013). Groundwater Reserves based on the geometry and configuration of the Yogyakarta-Sleman groundwater basin

- aquifer system. In *Proceedings of the 6th National Earth Seminar* (pp. 356-370).
- Huang, Y., Sun, H., Liu, Y., Zhao, K., Liu, T., & Liu, D. (2024). Application of pervious concrete pavement in the “breathe in-breathe out” design for sponge cities in China. *Environmental Science and Pollution Research*, 31(28), 40818-40837.
- Ibrahim, M. H., Kasim, S., Ahmed, O. H., Mohd. Rakib, M. R., Hasbullah, N. A., & Islam Shajib, M. T. (2024). Impact of simulated acid rain on chemical properties of Nyalau series soil and its leachate. *Scientific Reports*, 14(1), 3534.
- Idris, M. F., & Husein, R. (2022). Efektivitas Kebijakan Pembangunan Underpass Simpang Kentungan dalam Mengurangi Kemacetan di Daerah Istimewa Yogyakarta. *Journal of Social and Policy Issues*, 14-20.
- Istanti, A., Utami, S. W., & Siska, A. I. (2023). Pemberdayaan PKK Desa Tambong dalam Pembuatan Sabun Pencuci Piring Eco-Enzyme. *Warta Pengabdian*, 17(1), 31-46.
- Jahanshahi, R. dan Zare, M., 2016 Hydrochemical investigations for delineating salt-water intrusion into the Coastal Aquifer of Maharlou Lake, *Iran Journal of African Earth Sciences*, 121, hal.16-29. DOI:doi.org/10.1016/j.jafrearsci.2016.05.014
- Jayanto, G. D. (2023). Kajian Daya Tampung Beban Pencemaran Sungai Perkotaan Dari Usaha Skala Kecil Laundry Dan Beban Pencemar Lainnya Studi Kasus Sungai Code Yogyakarta (Disertasi. Yogyakarta: UGM).
- kJena, G., Dutta, K., & Daverey, A. (2023). Surfactants in water and wastewater (greywater): environmental toxicity and treatment options. *Chemosphere*, 341, 140082.
- Johnson, P., Trybala, A., Starov, V., & Pinfield, V. J. (2021). Effect of synthetic surfactants on the environment and the potential for substitution by biosurfactants. *Colloid and interface science*, 288, 102340.
- Juanda, B., & Siregar, H. (2023). Pola Distribusi UMKM Desa Wisata dalam Meningkatkan Pendapatan UMKM di Kecamatan Biduk Kabupaten Berau. *Jurnal Ekonomi dan Kebijakan Pembangunan*, 12(2), 159-184.

- Jurczynski, Y., Passos, R., & Campos, L. C. (2024). A Review of the Most Concerning Chemical Contaminants in Drinking Water for Human Health. *Sustainability*, 16(16), 7107.
- Kagama. (2019, May 9). Lima kawasan kos-kosan dekat UGM. *Kagama.co*. Diakses pada 30 Agustus 2024 dari: <https://kagama.co/2019/05/09/lima-kawasan-kos-kosan-dekat-ugm/2/>
- Kaimudin, K., Alpiana, A., & Rahmawati, D. (2020). Mekanisme Pemboran Air Tanah Di Desa Kerandangan Kecamatan Batu Layar Kabupaten Lombok Barat Nusa Tenggara Barat. *Jurnal Ulul Albab*, 24(1), 65-68.
- Kartikasari, N.A. (2022). Uji toksisitas akut limbah laundry terhadap Ikan Mujair (*Oreochromis Sp.*) (Disertasi. Surabaya: UIN Sunan Ampel Surabaya).
- Kazinskiy, M. T., & Semenov, I. N. (2022). Diagnostics of volcanic soils: A Review of Classification Schemes. *Eurasian Soil Science*, 55(1), 11-19.
- Kementerian Kesehatan Republik Indonesia. (2022). *Laporan Tahunan Kementerian Kesehatan Republik Indonesia Tahun 2022*. Jakarta: Kementerian Kesehatan RI.
- Khaerunnisa, S. (2023). Pengembangan Layanan Ramah Lingkungan pada Perusahaan Laundry Iron Mom di Cirebon Jawa Barat (Disertasi. Yogyakarta: UII).
- Khaleel, M. M., & Al-Janabi, N. (2022). Physicochemical analysis of industrial wastewaters of soap and detergent (Al-Amin) in Baghdad, Iraq. *Biochemical & Cellular Archives*, 22(1).
- Khapra, R., & Singh, N. (2024). Current state of laundry grey water fluxes and exploitation in rural–urban households: physico-chemical–bacteriological characteristics with reference to disposal norms and current treatment technologies. *Sustainable Water Resources Management*, 10(3), 1-19.
- Khapra, R., & Singh, N. (2024). Physical, chemical, and biological evaluation of domestic laundry greywater discharges to attract reclamation strategies and reuse applications in urban settings. *Environmental Quality Management*, 33(3), 209-221.
- Khosrowshahi Asl, S., Cushing, K., O'Malley, R., Dahl, A., Rouhani, A., Bryan, S., & Burks, J. (2023). A field assessment of residential laundry to landscape

- greywater quality in the San Francisco Bay area. *Water Policy*, 25(8), 759-779.
- Kim, J. J., Atique, U., & An, K. G. (2019). Long-term ecological health assessment of a restored urban stream based on chemical water quality, physical habitat conditions and biological integrity. *Water*, 11(1), 114.
- Kim, S., Alizamir, M., Zounemat-Kermani, M., Kisi, O., & Singh, V. P. (2020). Assessing the biochemical oxygen demand using neural networks and ensemble tree approaches in South Korea. *Journal of Environmental Management*, 270, 110834.
- Kobir, M. M., Ali, M. S., Ahmed, S., Sadia, S. I., & Alam, M. A. (2024). Assessment of the physicochemical characteristic of wastewater in Kushtia and Jhenaidah Municipal Areas Bangladesh: A Study of DO, BOD, COD, TDS and MPI. *Asian Journal of Geological Research*, 7(1), 21-30.
- Koul, B., Yadav, D., Singh, S., Kumar, M., & Song, M. (2022). Insights into the domestic wastewater treatment (DWWT) regimes: a review. *Water*, 14(21), 3542.
- Krzeminska, D., Bloem, E., Starkloff, T., & Stolte, J. (2022). Combining FDR and ERT for monitoring soil moisture and temperature patterns in undulating terrain in south-eastern Norway. *Catena*, 212, 106100.
- Kumar, G., & Kumar, R. R. (2020). A correlation study between meteorological parameters and COVID-19 pandemic in Mumbai, India. *Diabetes & Metabolic Syndrome: Clinical Research*, 14(6), 1735-1742.
- Kurniawan, A., & Sadali, M. I. (2018). *Keistimewaan Lingkungan Daerah Istimewa Yogyakarta*. UGM PRESS.
- Lacalamita, D., Mongiovi, C., & Crini, G. (2023). Chemical substances present in discharge water generated by the laundry industry: Analytical monitoring. *Water Science and Engineering*, 16(4), 324-332.
- Lalijo, M. I. (2023). *Pengolahan Limbah Laundry dengan Metode Filtrasi* (Disertasi. Yogyakarta: UII).
- Larasati, N. N., Wulandari, S. Y., Maslukah, L., Zainuri, M., & Kunarso, K. (2021). Kandungan pencemar detejen dan kualitas air di perairan muara sungai tapak, semarang. *Indonesian Journal of Oceanography*, 3(1), 1-13.

- Lee, D. B., Kim, Y. N., Sonn, Y. K., & Kim, K. H. (2023). Comparison of Soil Taxonomy (2022) and WRB (2022) Systems for classifying Paddy Soils with different drainage grades in South Korea. *Land*, 12(6), 1204.
- Li, S., & Shan, J. (2022). Adaptive geometric interval classifier. *ISPRS International Journal of Geo-Information*, 11(8), 430.
- Li, Q., Li, Y., Wang, X., Jia, D., Li, R., & Mao, Y. (2025). Drainage evolution in accretionary thrust systems as responses to tectono-climatic variability: Insights from sandbox modelling. *Earth Surface Processes and Landforms*, 50(7), e70099.
- Ligas, M., Lucki, B., & Banasik, P. (2022). A crossvalidation-based comparison of kriging and IDW in local GNSS/levelling quasigeoid modelling. *Reports on Geodesy and Geoinformatics*, 114.
- Lopa, A. F. A. (2023). *Pemodelan Hidrogeologi Untuk Pengelolaan Air Tanah Kota Majene Sulawesi Barat: Hydrogeological Modeling for Groundwater Management in Majene City, West Sulawesi (Disertasi)*. Makassar: Universitas Hasanuddin).
- Lu, S., Liu, M., Yi, J., Zhang, H., & Wan, J. (2024). Responses of soil moisture at different topographic positions to rainfall events along a steep subtropical forested hillslope. *Hydrological Processes*, 38(5), e15164.
- Lv, Z., Ran, X., Liu, J., Feng, Y., Zhong, X., & Jiao, N. (2024). Effectiveness of chemical oxygen demand as an indicator of organic pollution in aquatic environments. *Ocean-Land-Atmosphere Research*, 3, 0050.
- Ma, S., Lv, Y., Hou, L., Jia, Z., Lin, S., Wang, S., ... & Hou, J. (2025). Effect of acute temperature stress on energy metabolism, immune performance and gut microbiome of largemouth bass (*Micropterus salmoides*). *Aquaculture and Fisheries*, 10(2), 260-270.
- Maddah, H. A. (2022). Predicting optimum dilution factors for BOD sampling and desired dissolved oxygen for controlling organic contamination in various wastewaters. *International Journal of Chemical Engineering*, 2022(1), 8637064.
- Makmur, P., & asri Mulyani, A. (2023). *Karakteristik Jenis Tanah Pada Area Pertanaman Kopi Kawasan Karst Desa Samangki Kecamatan Simbang Kabupaten Maros (Disertasi)*. Makassar: Universitas Hasanuddin).

- Mampo, O. M. G., Guedje, K. F., Merz, B., Obada, E., Guntu, R. K., Yarou, H., ... & Hounkpe, J. (2025). Rainfall and streamflow variability in North Benin, West Africa, and its multiscale association with climate teleconnections. *Journal of Hydrology: Regional Studies*, 59, 102319.
- Mardiati, D., Rachman, M. G., Adha, I., Utama, P. P., Kurniawan, O., & Krisnabudhi, A. (2025). Pemantauan Suhu Puncak Gunung Merapi menggunakan Land Surface Temperature (LST) Citra Landsat Tahun 2020-2025 untuk Analisis Aktivitas Vulkanik. *Jurnal Ilmiah Geomatika*, 5(1), 35-43.
- Maulana, F. S., Pratama, A., Pahlevi, A. A. P. R., Khasanah, F., Dhaifulloh, M. Z., & Fadillah, G. R. (2023). Peran Mahasiswa terhadap Perkembangan serta Pertumbuhan Ekonomi di Wilayah Penduduk Sekitar Universitas Negeri Semarang. *Jurnal Potensial*, 2(2), 117-125.
- Melián, E. P., Santiago, D. E., León, E., Reboso, J. V., & Herrera-Melián, J. A. (2023). Treatment of laundry wastewater by different processes: Optimization and life cycle assessment. *Journal of Environmental Chemical Engineering*, 11(2), 109302.
- Memon, Y. I., Qureshi, S. S., Kandhar, I. A., Qureshi, N. A., Saeed, S., Mubarak, N. M., ... & Saleh, T. A. (2023). Statistical analysis and physicochemical characteristics of groundwater quality parameters: a case study. *International Journal of Environmental Analytical Chemistry*, 103(10), 2270-2291.
- Nainggolan, S. A. (2018). Tanggung Jawab Pengelolaan Limbah Cair Kegiatan Usaha Laundry Sebagai Upaya Pengendalian Pencemaran Lingkungan Di Kecamatan Depok Kabupaten Sleman (Disertasi. Yogyakarta: UAJY).
- Nendri, A. (2022). Penggunaan Alat Metafilsi-4546 Dalam Menurunkan Kadar Bod Cod Tss Air Limbah Cair Laundry Di Zogi Laundry Cilacap Selatan (Disertasi. Yogyakarta: Poltekkes Kemenkes Yogyakarta).
- Nugraha, R. E., & Setiobudhi, A. (2023). Tinjauan Teori Pengaruh Keberadaan Perguruan Tinggi Terhadap Perubahan Guna Lahan. *Prosiding FTSP Series*, 1831-1836.
- Nursobah, N., Salmon, S., Lailiyah, S., & Sari, S. W. (2022). Prototype Sistem Telemetri Suhu Dan Ph Air Kolam Budidaya Ikan Air Tawar (Ikan Nila) Berbasis Internet of Things (Iot). *Sebatik*, 26(2), 788-797.

- Odoh, B. I., Nwokeabia, C. N., & Igwebudu, C. N. (2024). Hydrogeological Implications of Slope and Land Use/Land Cover Distribution in Part of Southern, Nigeria. *International Journal of Research and Innovation in Applied Science.*, 9(VIII), 422-435.
- Patel, D. D., Mehta, D. J., Azamathulla, H. M., Shaikh, M. M., Jha, S., & Rathnayake, U. (2023). Application of the weighted arithmetic water quality index in assessing groundwater quality: A case study of the South Gujarat region. *Water*, 15(19), 3512.
- Pemerintah Kalurahan Sinduadi. (2023). *Laporan Penyelenggaraan Pemerintahan Kalurahan Sinduadi Tahun 2023*. Sleman: Pemerintah Kalurahan Sinduadi.
- Poncela, R., Santamarta, J. C., García-Gil, A., Cruz-Pérez, N., Skupien, E., & Garcia-Barba, J. (2022). Hydrogeological characterization of heterogeneous volcanic aquifers in the Canary Islands using recession analysis of deepwater gallery discharge. *Journal of Hydrology*, 610, 127975.
- Pramudia, R. V. C., Indrileani, D., Lesmana, T. M., Wibowo, F. H. R., & Heldisari, H. P. (2022). Hubungan Kemampuan Musikal dengan Kepekaan Sosial pada Masa Dewasa Awal. *Jurnal Mebang: Kajian Budaya Musik dan Pendidikan Musik*, 2(2), 97-110.
- Prasad, S. (2023). *Correlation and Regression. In Elementary Statistical Methods* (pp. 241-279). Singapore. Springer Nature Singapore.
- Prastitianti, D., & Purwanti, I. F. (2024). Kajian Fitoremediasi Air Tanah Tercemar Lindi Tpa Dengan Kandungan Logam (Studi Kasus: Fitoremediasi Fe Dan Besi Di Lahan Bekas Tpa Keputih). *Jurnal Purifikasi*, 23(1), 17-26.
- Prudat, B., Fister, W., Bloemertz, L., Krenz, J., & Kuhn, N. J. (2022). The potential of fragipans in sustaining pearl millet during drought periods in north-central Namibia. *Geographica Helvetica*, 77(1), 39-51.
- Pushpalatha, N., Sreeja, V., Karthik, R., & Saravanan, G. (2022). Total dissolved solids and their removal techniques. *International Journal*, 2(2).
- Pušić, T., Vojnović, B., Flinčec Grgac, S., Čurlin, M., & Malinar, R. (2023). Particle shedding from cotton and cotton-polyester fabrics in the dry state and in washes. *Polymers*, 15(15), 3201.
- Radmanović, S., Markovićb, M., Živkovićb, N., Čokešab, Đ., Jovanovićb, U., & Bogosavljevića, J. (2021). Elemental Composition of Humic Acids Isolated

from Chernozem, Vertisol, Regosol, Planosol and Histosol. *In 3rd International and 15th National Congress of Serbian Society of Soil Science: Soils for Future under Global Challenges, Sokobanja, Serbia* (pp. 64-70). Serbian Society of Soil Science

Rafsanjani, S. E. (2021). Analisis Kualitas Air Tanah terhadap Keberadaan Ipal Komunal dengan Metode Inverse Distance Weighting (IDW) Kecamatan Depok dan Mlati, Yogyakarta. (Skripsi. Yogyakarta: UII).

Rahmadani, N., Syafri, M., Mustari, S., & Nur, N. H. (2022). Efektifitas Penyaringan Sederhana dengan Media Cipping, Arang Aktif, dan Zeolit Dalam Menstabilkan Kadar BOD dan COD Limbah Cair Usaha Laundry Rumah Tangga. *Media Publikasi Promosi Kesehatan Indonesia (MPPKI)*, 5(4), 447-452.

Rahmah, S. N. (2022). Pengaruh Penambahan Kompos Pada Perlakuan Sedimen Bakau Dalam Reduksi Sulfat Pada Air Asam Tambang The Effect of Addition Compost on Treatment of Mangrove Sediment in Reducing Sulfate in Acid Mine Water (Disertasi. Makassar: Universitas Hasanudin).

Reinadova, Gema. (2022). Kajian Keruangan Pengaruh Limbah Industri Jasa Laundry Terhadap Kondisi Airtanah Bebas Di Pogung Kidul Desa Sinduadi Kecamatan Mlati Kabupaten Sleman (Disertasi. Yogyakarta: UGM).

kRengkugegana, M. E., & Farahdiba, A. U. (2023). Efektivitas Metode Elektrokoagulasi sebagai Alternatif Pengolahan Limbah Laundry. *Envirous*, 3(2).

Republik Indonesia. (2001). Peraturan Pemerintah No. 82 Tahun 2001 tentang Pengelolaan Kualitas Air dan Pengendalian Pencemaran Air. Lembaran Negara Republik Indonesia Tahun 2001 Nomor 153. Sekretariat Negara.

Republik Indonesia. (2019). Undang-Undang No. 17 Tahun 2019 tentang Sumber Daya Air. Lembaran Negara Republik Indonesia Tahun 2019 Nomor 188. Sekretariat Negara.

Republik Indonesia. (2021). Peraturan Presiden Nomor 49 Tahun 2021 tentang Badan Pengelola Dana Lingkungan Hidup. Lembaran Negara Republik Indonesia Tahun 2021 Nomor 91. Sekretariat Negara.

Riswandi, H., Ikhsan, I., Maharani, Y. N., Wijayanto, W., Sunardi, B., Ekarsti, A. K., ... & Syaifudin, M. (2023). Pemetaan Mikrozonasi Bahaya Gempabumi

- Sebagai Upaya Pengurangan Risiko Bencana di Yogyakarta. *Jurnal Mineral, Energi, dan Lingkungan*, 7(1), 23-34.
- Rizky, A. A., Harisuseno, D., & Siswoyo, H. (2022). Pengaruh Sifat Fisik Tanah terhadap Nilai Konstanta (k) pada Rumus Infiltrasi Horton. *Jurnal Teknologi dan Rekayasa Sumber Daya Air*, 2(2), 26-26.
- Rocha-Meneses, L., Zannerni, R., Inayat, A., Abdallah, M., Shanableh, A., Ghenai, C., ... & Kikas, T. (2022). Current progress in anaerobic digestion reactors and parameters optimization. *Biomass Conversion and Biorefinery*, 1-24.
- Romdania, Y., Herison, A., & Susilo, G. E. (2018). Kajian penggunaan metode IP, Storet, dan CCME WQI dalam menentukan status kualitas air. *Jurnal Spatial*, 18(1), 1-13.
- Romero, D., & Alfaro, E. J. (2025). Systematic Biases in Tropical Drought Monitoring: Rethinking SPI Application in Mesoamerica's Humid Regions. *Meteorology*, 4(3), 18.
- Saha, D., Villholth, K. G., & Shamrukh, M. (Eds.). (2024). *Managed Groundwater Recharge and Rainwater Harvesting: Outlook from Developing Countries*. Springer.
- Sari, D. P., Rasyidin, A., & Saidi, A. (2021, May). Properties and reclassification of volcanic soil in Sungai Kamuyang village, West Sumatra. In *IOP Conference Series: Earth and Environmental Science* (Vol. 759, No. 1, p. 012019). IOP Publishing.
- Sappewali, S., Sukmawati, S., Tanri, C. S., & Aminah, S. (2024). Efektivitas Instalasi Pengolahan Air Limbah (IPAL) Industri Berdasarkan Parameter Chemical Oxygen Demand, Total Solid Suspended dan Derajat Keasaman di Perusahaan X Kabupaten Gowa. *Jurnal Ilmu Alam dan Lingkungan*, 15(1).
- Saputra, S. F. D., Setiawan, B. I., Arif, C., Saptomo, S. K., Fitriyah, A., & Kato, T. (2025). Assessment of future water availability and seasonal patterns of dry seasons under climate change in Cidanau Watershed Banten Province, Indonesia. *Journal of Hydrology: Regional Studies*, 59, 102344.
- Sasongko, R., Astuti, W., & Yudana, G. (2022). Pola Spasial Permukiman di Bantaran Sungai Premulung, Kota Surakarta. *Desa-Kota: Jurnal Perencanaan Wilayah, Kota, dan Permukiman*, 4(2), 152-166.

- Sehah, M., & Ratsanjani, H. (2021). Eksplorasi sumber air tanah bawah perbukitan kapur (karst) menggunakan metode geolistrik resistivitas konfigurasi Schlumberger di desa Darmakradenan kecamatan Ajibarang kabupaten Banyumas. *Jurnal Teras Fisika: Teori, Modeling, dan Aplikasi Fisika*, 4(1), 194-202.
- Sejati, S. P. (2021). Tingkat fluktuasi air tanah pada jangka pendek di Kecamatan Ngemplak, Kabupaten Sleman, provinsi Daerah Istimewa Yogyakarta. *Jurnal Teknologi Lingkungan*, 22(1), 121-129.
- Seniartha, I. W. (2024). Faktor-Faktor Yang Mempengaruhi Konsumen Dalam Memilih Jasa Laundry di Denpasar Selatan. *Innovative: Journal Of Social Science Research*, 4(5), 112-121.
- Shadiqi, I. F. (2025). Hubungan Indeks Kualitas Air Tanah dengan Jumlah dan Kepadatan Penduduk di Yogyakarta (Disertasi. Yogyakarta: UII).
- Shaikh, I. N., & Ahammed, M. M. (2024). Effect of washing method and detergent type on laundry greywater characteristics. *Journal of Water Process Engineering*, 66, 106103.
- Shayo, G. M., Elimbinzi, E., Shao, G. N., & Fabian, C. (2023). Severity of waterborne diseases in developing countries and the effectiveness of ceramic filters for improving water quality. *Bulletin of the National Research Centre*, 47(1), 113.
- Shekina, P. N., Ramadhani, N. I., Putri, N. D., Kurniati, S. A., & Agustin, C. E. (2024). Pengaruh Kualitas Air terhadap Keanekaragaman Plankton di Bozem: Analisis Parameter Fisik, Kimia, dan Biologi Ekosistem Perairan. *Algoritma: Jurnal Matematika, Ilmu pengetahuan Alam, Kebumihan dan Angkasa*, 2(6), 01-09.
- Sholihah, N. A., Utomo, D. H., & Juarti, J. (2024). Sifat fisika kimia Tanah Ordo Vertisol pada penggunaan lahan pertanian. *Jurnal Pendidikan Geografi: Kajian, Teori, dan Praktek dalam Bidang Pendidikan dan Ilmu Geografi*, 21(1), 1.
- Silva, M. J., Zainol, I., Tanoeiro, J. R., Sitowski, A., Major, I., Murphy, E. J., & Fehrenbach, G. W. (2025). Livestock Slurry and Sustainable Pasture Management: Microbial Roles, Environmental Impacts, and Regulatory Perspectives in Ireland and Europe. *Microorganisms*, 13(4), 788.

- Silviana, L., & Rachmadiarti, F. (2023). Fitoremediasi Fosfat dari Detergen Sintetis dengan Menggunakan Lemna minor dan Azolla microphylla. *LenteraBio: Berkala Ilmiah Biologi*, 12(3), 281-289.
- Simelane, M. P. Z., Soundy, P., & Maboko, M. M. (2024). Effects of rainfall intensity and slope on infiltration rate, soil losses, runoff and nitrogen leaching from different nitrogen sources with a rainfall simulator. *Sustainability*, 16(11), 4477.
- Singh, N., Chaudhary, U. A., Khan, M. A., Fatima, N., Hasan, M., & Hussain, A. (2024). Comprehensive Analysis of Groundwater Quality: Multidimensional Perspective. *NVEO-Nat. Volatiles Essent. Oils. J.*, 11, 1-13.
- Singkam, A. R., Lestari, I. L., Agustin, F., Miftahussalimah, P. L., Maharani, A. Y., & Lingga, R. (2021). Perbandingan Kualitas Air Sumur Galian dan Bor Berdasarkan Parameter Kimia dan Parameter Fisika. *Jurnal Pendidikan Biologi dan Sains*, 4(2), 155-165.
- Suhartawan, B., Iriyanto, S. M., Alfons, A. B., & Daawia, D. (2023). Status Mutu Air Sumur Gali Dan Pengendaliannya di Kampung Yamta Arso Kabupaten Keerom. *Jurnal Reka Lingkungan*, 11(3), 198-208.
- Sugiasih, S. (2025). Pengaruh Penerapan Program Konsolidasi Tanah terhadap Perkembangan Kawasan Permukiman Peri-Urban di Kalurahan Sinduadi, Kapanewon Mlati, Kabupaten Sleman. *Widya Bhumi*, 5(1), 87-104.
- Supriyatin, R., Pravitasari, A. E., & Pribadi, D. O. (2020). Pemetaan karakteristik wilayah urban dan rural di wilayah bandung raya dengan metode spatial clustering. *Jurnal Geografi*, 12(02), 125.
- Suratman, S., Hikmatullah, H., & Sulaeman, A. A. (2018). Karakteristik tanah-tanah dari bahan induk abu vulkan muda di Jawa Barat dan Jawa Tengah. *Jurnal Tanah dan Iklim*, 42(1), 1-12.
- Suryana, D. R. H., Hendarmawan, H., & Waliyana, T. Y. (2022). Pemodelan Karakteristik Aliran Airtanah Sistem Porous dengan Uji Permeabilitas, Porositas dan Kompresibilitas Batuan pada Fasies Gunungapi Gede-Pangrango Bagian Tenggara. *Jurnal Geologi dan Sumberdaya Mineral*, 23(1), 35-51.

- Suthar, N., Das, D., & Mallik, J. (2024). Land-use suitability assessment for urban development using Multi-Criteria Decision-Making Analysis in the Himalayan districts of Shimla, Nainital, and Darjeeling, India. *Discover Environment*, 2(1), 90.
- Suyana, J. (2020). Profil Desa Wisata Samiran di Lereng Merbabu-Merapi Kecamatan Selo Kabupaten Boyolali Propinsi Jawa Tengah. *SEMAR (Jurnal Ilmu Pengetahuan, Teknologi, dan Seni bagi Masyarakat)*, 9(1), 27-35.
- Tarte, J. V., Johir, M. A. H., Tra, V. T., Cai, Z., Wang, Q., & Nghiem, L. D. (2024). Optimising microplastics analysis for quantifying and identifying microplastic fibres in laundry wastewater. *Science of The Total Environment*, 952, 175907.
- Thomas, J. E., Udosen, N. I., Ekanem, A. M., & George, N. J. (2025). Hydrogeological and electrostratigraphic modeling of coastal aquifers: Investigating systemic vulnerability, hydraulic yield potential, and corrosivity pathways. *Solid Earth Sciences*, 10(2), 100243.
- Tyagi, S., Sharma, B., Singh, P., & Dobhal, R. (2013). Water quality assessment in terms of waterquality index. *American Journal of water resources*, 1(3), 34-38.
- Uğur, Ş. S., Karaboyacı, M., & Boguniewicz-Zablocka, J. (2023). Influence of cotton bleaching methods on the parameters of generated textile industrial wastewater. *Sustainability*, 15(21), 15592.
- USDA. (2022). *Keys to Soil Taxonomy (13th ed.)*. Washington, D.C.: United States Department of Agriculture, Natural Resources Conservation Service.
- Utami, S., & Handayani, S. K. (2017). Ketersediaan Air Bersih Untuk Kesehatan: Kasus Dalam Pencegahan Diare Pada Anak. *Optimalisasi Peran Saint & Teknologi Untuk Mewujudkan Smartcity*, 211-236.
- Valent, C. G., Subiyanto, S., & Wahyuddin, Y. (2021). Analisis pola dan arah perkembangan permukiman di wilayah aglomerasi perkotaan Yogyakarta (APY)(Studi Kasus: Kabupaten Sleman). *Jurnal Geodesi Undip*, 10(2), 78-87.

- Vidanelage, D. P. W. (2024). Water treatment and purification using derived natural clay nanocomposites: a route to the removal of pollutant ions in potable water (Disertasi. British: University of Surrey).
- Virkkala, A. M., Rogers, B. M., Watts, J. D., Arndt, K. A., Potter, S., Wargowsky, I., & Natali, S. M. (2025). Wildfires offset the increasing but spatially heterogeneous Arctic–boreal CO₂ uptake. *Nature Climate Change*, 15(2), 188-195.
- Wątor, K., & Zdechlik, R. (2021). Application of water quality indices to the assessment of the effect of geothermal water discharge on river water quality—case study from the Podhale region (Southern Poland). *Ecological Indicators*, 121, 107098.
- Wibowo, N. B., Fathani, T. F., Pramumijoyo, S., & Marliyani, G. I. (2023). Microzonation of seismic parameters in geological formation units along the opak river using microtremor measurements. *Geomate Journal*, 25(110), 208-219.
- Wicaksono, D., & Maharika, I. F. (2019). *Pemetaan variasi morfologi waterscape di lingkungan bantaran Sungai Code Yogyakarta*. In *Seminar Karya & Pameran Arsitektur Indonesia 2019: Arsitektur Islam di Indonesia*. Universitas Islam Indonesia.
- Wijdania, N., Rahayu, P., & Hardiana, A. (2023). Kawasan perdagangan-jasa Solo Baru sebagai Central Business District di Kabupaten Sukoharjo. *Region: Jurnal Pembangunan Wilayah dan Perencanaan Partisipatif*, 18(1), 1-16.
- Wisha, U. J., Ondara, K., & Ilham, I. (2018). The Influence of Nutrient (N and P) Enrichment and Ratios on Phytoplankton Abundance in Keunekai Waters, WehIsland, Indonesia. *Makara Journal of Science*, 22(4), 6.
- Yadav, V. K., Khan, S. H., Choudhary, N., Tirth, V., Kumar, P., Ravi, R. K., ... & Godha, M. (2022). Nanobioremediation: A sustainable approach towards the degradation of sodium dodecyl sulfate in the environment and simulated conditions. *Journal of Basic Microbiology*, 62(3-4), 348-360.
- Yudhistira, A. M., & Mujiburohman, M. (2020, July). Pengaruh Suhu dan pH Elektrokoagulasi Terhadap Penurunan Kadar TSS dan COD pada Limbah Cair Laundry. In *Seminar Nasional Teknik Kimia "Kejuangan"* (p. 5).

- Yuniasa, P., Rahayu, M. J., & Rini, E. F. (2023). Pengaruh pemanfaatan lahan terhadap pola pergerakan spasial pada Jalan Letjen S. Parman, Surakarta. *Region: Jurnal Pembangunan Wilayah dan Perencanaan Partisipatif*, 18(1), 210-224.
- Zahidah, A., Putra, D. P. E., & Wilopo, W. (2023). Analisis Tingkat Pencemaran Nitrat pada Air Tanah di Kecamatan Cangkringan, Sleman, Daerah Istimewa Yogyakarta. *Bullet: Jurnal Multidisiplin Ilmu*, 2(3), 681-687.
- Zhang, Q. P., Fang, R. Y., Deng, C. Y., Zhao, H. J., Shen, M. H., & Wang, Q. (2022). Slope aspect effects on plant community characteristics and soil properties of alpine meadows on Eastern Qinghai-Tibetan plateau. *Ecological Indicators*, 143, 109400.
- Zhao, D., Liu, J., Sun, L., Hubacek, K., Pfister, S., Feng, K., ... & Varis, O. (2024). Water consumption and biodiversity: Responses to global emergency events. *Science Bulletin*.