

DAFTAR PUSTAKA

- [1] E. Rolia, D. Sutjiningsih, E. Anggraheni, and A. Surandono, “Deteksi Keberadaan Air Tanah dengan Menggunakan Geolistrik Konfigurasi Schlumberger,” *Jurnal Teknik Sumber Daya Air*, vol. 1, no. 1, pp. 43–52, Jun. 2022, doi: 10.56860/jtsda.v1i1.21.
- [2] A. I. Elvira, “Menjaga Kualitas Air Tanah di Perkotaan,” *'ADALAH*, vol. 4, no. 4, May 2020, doi: 10.15408/adalah.v4i4.15597.
- [3] M. H. Ramadhan, G. Dewantoro, D. Fransiscus, and D. Setiaji, “Rancang Bangun Sistem Pakar Pemantau Kualitas Air Berbasis IoT Menggunakan Fuzzy Classifier,” *Jurnal Teknik Elektro*, vol. 12, no. 2, 2020.
- [4] D. Prafitri and A. B. Saputra, “Prototipe Sistem Pendekripsi Tingkat Kekeruhan dan PH Air Berbasis Mikrokontroler Arduino,” *TEKNOMATIKA*, vol. 12, no. 2, pp. 57–62, 2020.
- [5] Menteri Kesehatan Republik Indonesia, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 32 Tahun 2017 tentang Standar Baku Mutu Kesehatan Lingkungan dan Persyaratan Kesehatan Air untuk Keperluan Higiene Sanitasi, Kolam Renang, Solus Per Aqua dan Pemandian Umum*.
- [6] K. Sudheer, S. Koteswarao, M. P. Daniel, Sunil. Daggubati, and A. Professor, “IoT-Based System For Monitoring Water Quality,” *Tourkish Journal of Computer and Mathematics Education*, vol. 14, no. 03, pp. 428–433, 2023.
- [7] Z. Fazrie Ramadhan, B. Sugiarto, R. Haviani Laluma, and U. Sangga Buana YPKP, “Perancangan Sistem Monitoring Kelayakan konsumsi Air Minum Berbasis Internet of Things (IoT),” *JURNAL ILMIAH MULTI DISIPLIN INDONESIA*, vol. 5, no. 2, 2023.
- [8] D. Megah Sari, J. Jumardi, and N. Rasyid, “Protoype Pengairan Sawah dan Monitoring Kualitas PH Tanah Berbasis IOT,” *Infotek : Jurnal Informatika dan Teknologi*, vol. 5, no. 2, pp. 240–251, Jul. 2022, doi: 10.29408/jit.v5i2.5749.
- [9] M. Gufran and Mawardi, “Dampak Pembuangan Limbah Domestik terhadap Pencemaran Air Tanah di Kabupaten Pidie Jaya,” *Serambi Engineerig*, vol. IV, no. 1, 2019.
- [10] M. Hidayat and N. Mardiyantoro, “Sistem Pemantaun Dan Pengendalian PH Air Berbasis IoT Menggunakan Platform Arduino,” *Jurnal Penelitian dan Pengabdian Kepada Masyarakat UNSIQ*, vol. 7, no. 1, pp. 65–70, 2020.
- [11] A. Roy, S. Mukhopadhyay, and S. Roy, “IoT Based Water Quality Monitoring System,” in *2022 Second International Conference on Computer Science, Engineering and Applications (ICCSEA)*, IEEE, Sep. 2022, pp. 1–4. doi: 10.1109/ICCSEA54677.2022.9936512.
- [12] F. Akhter, H. R. Siddiquei, Md. E. E. Alahi, and S. C. Mukhopadhyay, “An Internet of Things-Enabled System for Monitoring Multiple Water Quality Parameters,” in *Sensing Technologies for Real Time Monitoring of Water Quality*, Wiley, 2023, pp. 305–338. doi: 10.1002/9781119775843.ch13.
- [13] S. Pasika and S. T. Gandla, “Smart water quality monitoring system with cost-effective using IoT,”

Heliyon, vol. 6, no. 7, p. e04096, Jul. 2020, doi: 10.1016/j.heliyon.2020.e04096.

- [14] F. Chuzaini and Dzulkiflih, ““IoT monitoring kualitas air dengan menggunakan sensor suhu, pH, dan total dissolved solids (TDS),” *Jurnal Inovasi Fisika Indonesia (IFI)*, vol. 11, no. 3, pp. 46–56, 2022.
- [15] Udin, H. Hamrul, and Muh. F. Mansyur, “Prototype Sistem Monitoring Kekeruhan Sumber Mata Air Berbasis Internet of Things,” *Journal of Applied Computer Science and Technology*, vol. 2, no. 2, pp. 66–72, Dec. 2021, doi: 10.52158/jacost.v2i2.219.
- [16] D. Hercog, T. Lerher, M. Truntič, and O. Težak, “Design and Implementation of ESP32-Based IoT Devices,” *Sensors*, vol. 23, no. 15, p. 6739, Jul. 2023, doi: 10.3390/s23156739.
- [17] R. A. Koestoer, Y. A. Saleh, I. Roihan, and Harinaldi, “A simple method for calibration of temperature sensor DS18B20 waterproof in oil bath based on Arduino data acquisition system,” 2019, p. 020006. doi: 10.1063/1.5086553.
- [18] Y. Singh Parihar, “Internet of Things and Nodemcu A review of use of Nodemcu ESP8266 in IoT products,” *International Journal of Emerging Technologies and Innovative Research (www.jetir.org / UGC and issn Approved)*, vol. 6, no. 6, pp. 1085–1088, 2019.
- [19] S. Ramadhan, M. I. Wahyuddin, and R. Nuraini, “Detektor Kondisi Tingkat Kelembaban Tanah pada Tanaman Hias Menggunakan Nodemcu Esp8266 Berbasis IoT,” *Jurnal JTIK (Jurnal Teknologi Informasi dan Komunikasi)*, vol. 6, no. 2, pp. 296–303, Jan. 2022, doi: 10.35870/jtik.v6i2.423.
- [20] K. Rochman and M. Randyka Rojat, “Penerapan IoT Untuk Mengoptimalkan Regulasi Air Tanah,” *Jurnal Portal Data*, vol. 2, no. 7, 2022.
- [21] C. Wai Zhao, J. Jegatheesan, and S. Chee Loon, “Exploring IOT Application Using Raspberry Pi,” *International Journal Of Computer Networks And Applications (IJCNA)*, vol. 2, no. 1, 2015.
- [22] P. Leger, F. Ruiz, H. Fukuda, and N. Cardozo, “Benefits, challenges, and usability evaluation of DeloreanJS: a back-in-time debugger for JavaScript,” *PeerJ Comput Sci*, vol. 9, p. e1238, Feb. 2023, doi: 10.7717/peerj-cs.1238.
- [23] Md. G. Uddin, S. Nash, and A. I. Olbert, “A review of water quality index models and their use for assessing surface water quality,” *Ecol Indic*, vol. 122, p. 107218, Mar. 2021, doi: 10.1016/j.ecolind.2020.107218.
- [24] M. Anshori, N. Sari, and A. Vijai Nasrulloh, “Rancang Bangun Alat Ukur Kekeruhan Air Layak Pakai Berbasis Arduino Uno R3 Pada Sungai Martapura ,” *Jurnal Fisika Flux: Jurnal Ilmiah Fisika FMIPA Universitas Lambung Mangkurat*, vol. 19, no. 3, Oct. 2022.
- [25] G. Yakin, M. I. Satriya, and K. I. Putra, “Rancang Bangun Alat Pengukur pH Tanah Menggunakan Sensor pH Meter Modul V1.1 SEN0161 Berbasis Arduino Uno,” *Buletin Fisika*, vol. 22, no. 2, pp. 105–111, 2021.
- [26] W. Indrasari and L. V Kadarwati, “Prototype of water level monitoring system using magnetic sensor and ultrasonic based on Arduino Mega 2560,” *J Phys Conf Ser*, vol. 2193, no. 1, p. 012052, Feb. 2022, doi: 10.1088/1742-6596/2193/1/012052.

- [27] Khairun Nisa Meiah Ngafidin, A. Arista, and R. Nisa Sofia Amrizza, “Implementasi Firebase Realtime Database pada Aplikasi FeedbackMe sebagai Penghubung Guru dan Orang Tua,” *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 5, no. 2, pp. 327–334, Apr. 2021, doi: 10.29207/resti.v5i2.2909.
- [28] N. Irwansyah and M. F. Dedy Subakti, “Rancang Bangun Monitoring Ketinggian Air, Nilai pH, dan Kekaruan Air Berbasis Internet of Things Menggunakan Blynk Pada Tandon Air,” *Kohesi : Jurnal Sains dan Teknologi*, vol. 3, no. 8, Jun. 2024.
- [29] P. A. Rosyady and M. A. Agustian, “Sistem Monitoring dan Kontrol Keasaman Larutan dan Suhu Air pada Kolam Ikan Mas Koki dengan Smartphone Berbasis IoT,” *Techné : Jurnal Ilmiah Elektroteknika*, vol. 21, no. 2, pp. 169–188, Sep. 2022, doi: 10.31358/techne.v21i2.317.