DAFTAR PUSTAKA

[1] Cindy Mutia Annur, “Ada 185 Juta Pengguna Internet di Indonesia pada Januari 2024.” Accessed: May 29, 2024. [Online]. Available: https://databoks.katadata.co.id/datapublish/2024/02/27/ada-185-juta-pengguna-internet-di-indonesia-pada-januari-2024

[2] “Luas panen padi Tahun 2024 diperkirakan sebesar 10,05 juta hektare dengan produksi padi sekitar 52,66 juta ton gabah kering giling (GKG). - Badan Pusat Statistik Indonesia.” Accessed: Feb. 06, 2025. [Online]. Available: https://www.bps.go.id/id/pressrelease/2024/10/15/2376/luas-panen-padi-tahun-2024-diperkirakan-sebesar-10-05-juta-hektare-dengan-produksi-padi-sekitar-52-66-juta-ton-gabah-kering-giling--gkg--.html

[3] S. Megawati and A. Lawi, “Pengembangan Sistem Teknologi Internet of Things Yang Perlu Dikembangkan Negara Indonesia,” 2021.

[4] Anggy Giri Prawiyogi and Aang Solahudin Anwar, “Perkembangan Internet of Things (IoT) pada Sektor Energi : Sistematik Literatur Review,” *Jurnal MENTARI: Manajemen, Pendidikan dan Teknologi Informasi*, vol. 1, no. 2, pp. 187–197, Jan. 2023, doi: 10.34306/mentari.v1i2.254.

[5] M. Cruz, S. Mafra, E. Teixeira, and F. Figueiredo, “Smart Strawberry Farming Using Edge Computing and IoT,” *Sensors*, vol. 22, no. 15, Aug. 2022, doi: 10.3390/s22155866.

[6] B. Chen, J. Wan, A. Celesti, D. Li, H. Abbas, and Q. Zhang, “Edge Computing in IoT-Based Manufacturing,” *IEEE Communications Magazine*, vol. 56, no. 9, pp. 103–109, 2018, doi: 10.1109/MCOM.2018.1701231.

[7] Mochammad Hannats Hanafi Ichsan, “Analisis Kinerja Jaringan Sensor Nirkabel untuk Edge Computing Menggunakan LORA SX1278,” *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK)*, 2021.

[8] G. Premsankar, M. Di Francesco, and T. Taleb, “Edge Computing for the Internet of Things: A Case Study,” *IEEE Internet Things J*, vol. 5, no. 2, pp. 1275–1284, Apr. 2018, doi: 10.1109/JIOT.2018.2805263.

[9] N. Hassan, S. Gillani, E. Ahmed, I. Yaqoob, and M. Imran, “The Role of Edge Computing in Internet of Things,” *IEEE Communications Magazine*, vol. 56, no. 11, pp. 110–115, Nov. 2018, doi: 10.1109/MCOM.2018.1700906.

[10] O. Salman, I. Elhajj, K. Ayman, and A. Chehab, “Edge Computing Enabling the Internet of Things,” *IEEE Communications Magazine*, vol. IEEE.

[11] R. S. Sasmita, “PEMANFAATAN INTERNET SEBAGAI SUMBER BELAJAR,” *JURNAL PENDIDIKAN dan KONSELING*, vol. 1, pp. 117–121, 2020.

[12] Y. A. Agus *et al.*, *PERTANIAN TERPADU*. 2022. [Online]. Available: www.globaleksekutifteknologi.co.id

[13] D. Nugrahni Halawa, “Peran Teknologi Pertanian Cerdas (Smart Farming) untuk Generasi Pertanian Indonesia.”

[14] M. Arief and R. Siregar, “PENINGKATAN PRODUKTIVITAS TANAMAN PADI MELALUI PENERAPAN TEKNOLOGI PERTANIAN TERKINI.”

[15] A. Khalifeh, F. Mazunga, A. Nechibvute, and B. M. Nyambo, “Microcontroller Unit-Based Wireless Sensor Network Nodes: A Review,” Nov. 01, 2022, *MDPI*. doi: 10.3390/s22228937.

[16] C. Saputra *et al.*, “PELATIHAN PENGENALAN DAN PENGGUNAAN MIKROKONTROLLER ARDUINO UNO GUNA MENGONTROL LAMPU UNTUK SISWA DAN SISWI SMK N 7 MUARO JAMBI,” *Jurnal Pengabdian Masyarakat UNAMA (JPMU)*, 2023.

[17] G. Carvalho, B. Cabral, V. Pereira, and J. Bernardino, “Edge computing: current trends, research challenges and future directions,” *Computing*, vol. 103, no. 5, pp. 993–1023, May 2021, doi: 10.1007/s00607-020-00896-5.

[18] M. N. Akhtar, A. J. Shaikh, A. Khan, H. Awais, E. A. Bakar, and A. R. Othman, “Smart sensing with edge computing in precision agriculture for soil assessment and heavy metal monitoring: A review,” Jun. 01, 2021, *MDPI AG*. doi: 10.3390/agriculture11060475.

[19] Y. Kalyani and R. Collier, “A systematic survey on the role of cloud, fog, and edge computing combination in smart agriculture,” Sep. 01, 2021, *MDPI*. doi: 10.3390/s21175922.

[20] M. Tupac-Yupanqui, C. Vidal-Silva, L. Pavesi-Farriol, A. Sanchez Ortiz, J. Cardenas-Cobo, and F. Pereira, “Exploiting Arduino Features to Develop Programming Competencies,” *IEEE Access*, vol. 10, pp. 20602–20615, 2022, doi: 10.1109/ACCESS.2022.3150101.

[21] D. Sasmoko, *Arduino dan Sensor Pada Project Arduino DIY*. PENERBIT YAYASAN PRIMA AGUS TEKNIK, 2021.

[22] A. Sabbrina, A. oktavia sufa, D. putra ritonga, and E. Rahma sari siregar, “Pengenalan Konsep Dasar Dan Penggunaan Database Manajemen Sistem (Dbms),” *Jurnal Sains Dan Teknologi (JSIT)*, vol. 3, no. 3, 2023.

[23] T. Hasanuddin, M. S. Hadi, Sujito, and Rosnani, “Fog computing in classrooms: boosting efficiency, responsiveness, user experience,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 35, no. 2, pp. 1287–1295, Aug. 2024, doi: 10.11591/ijeecs.v35.i2.pp1287-1295.

[24] M. A. Hailan, B. M. Albaker, and M. S. Alwan, “Transformation to a smart factory using NodeMCU with Blynk platform,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 30, no. 1, pp. 237–245, Apr. 2023, doi: 10.11591/ijeecs.v30.i1.pp237-245.

[25] F. Puspasari, T. Prima Satya, U. Yusmaniar Oktiawati, I. Fahrurrozi, and H. Prisyanti, “Analisis Akurasi Sistem Sensor DHT22 berbasis Arduino terhadap Thermohgyrometer Standar,” *Jurnal Fisika dan Aplikasinya*, vol. 16, no. 1, p. 33, Feb. 2020, doi: 10.12962/j24604682.v16i1.5717.

[26] L. Fauziah and C. Bella, “OPERASI PENGUKUR TARAF KELEMBABAN PADA JAGUNG KERING MENGGUNAKAN SENSOR SOIL MOISTURE (YL-69).”

[27] P. MacHeso, T. D. Manda, S. Chisale, N. Dzupire, J. Mlatho, and D. Mukanyiligira, “Design of ESP8266 Smart Home Using MQTT and Node-RED,” in *Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021*, Institute of Electrical and Electronics Engineers Inc., Mar. 2021, pp. 502–505. doi: 10.1109/ICAIS50930.2021.9396027.

[28] I. Šušter and T. Ranisavljević, “OPTIMIZATION OF MYSQL DATABASE,” Jan. 2023.

[29] D. Rahman and H. Amnur, “Monitoring Server dengan Prometheus dan Grafana serta Notifikasi Telegram Jurnal Ilmiah Teknologi Sistem Informasi,” 2020. [Online]. Available: http://jurnal-itsi.org