

DAFTAR PUSTAKA

- [1] Astro Awani, "Banjir kilat di Shah Alam sebab sistem pam tidak berfungsi," Astro Awani, 2023, accessed: Feb. 06, 2025. [Online]. Available: <https://www.astroawani.com/berita-malaysia/banjir-kilat-di-shah-alam-sebab-sistem-pam-tidak-berfungsi-433175>.
- [2] Majoriti," Kerjasama lebih baik antara agensi perlu tangani masalah banjir di Shah Alam," Majoriti, 2024, accessed: Feb. 16, 2025. [Online]. Available: <https://majoriti.com.my/berita/2024/10/30/kerjasama-lebih-baik-antara-agensi-perlu-tangani-masalah-banjir-di-shah-alam>
- [3] Kosmo," Shah Alam pecah rekod jumlah hujan tahunan petang ini," Kosmo, 2024, accessed: Feb. 23, 2025. [Online]. Available: <https://www.kosmo.com.my/2024/09/25/shah-alam-pecah-rekod-jumlah-hujan-tahunan-petang-ini/>
- [4] H. Abbass, "Editorial: What is Artificial Intelligence?," in IEEE Transactions on Artificial Intelligence, vol. 2, no. 2, pp. 94-95, April 2021, doi: 10.1109/TAI.2021.3096243.
- [5] Al Qundus, J., Dabbour, K., Gupta, S. et al. Wireless sensor network for AI-based flood disaster detection. Ann Oper Res 319, 697–719 (2022). <https://doi.org/10.1007/s10479-020-03754-x>
- [6] Kim, D., Park, J., Han, H. et al. Application of AI-Based Models for Flood Water Level *Forecasting* and Flood Risk Classification. KSCE J Civ Eng 27, 3163–3174 (2023). <https://doi.org/10.1007/s12205-023-2175-5>
- [7] Mosavi, A., Ozturk, P., & Chau, K.-w. (2018). Flood *Prediction* Using *Machine learning* Models: Literature Review. Water, 10(11), 1536. <https://doi.org/10.3390/w10111536>
- [8] Motta, M., de Castro Neto, M., & Sarmento, P. (2021). A mixed approach for urban flood *prediction* using *Machine learning* and GIS. International Journal of Disaster Risk Reduction, 56, 102154. doi:10.1016/j.ijdrr.2021.102154

- [9] Ashish Tiwari, Chapter 2 - *Supervised learning*: From theory to applications, Editor(s): Rajiv Pandey, Sunil Kumar Khatri, Neeraj kumar Singh, Parul Verma, Artificial Intelligence and *Machine learning* for EDGE Computing, Academic Press, 2022, Pages 23-32, ISBN 9780128240540, <https://doi.org/10.1016/B978-0-12-824054-0.00026-5>.
- [10] Jiang, T., Gradus, J. L., & Rosellini, A. J. (2020). Supervised *machine learning*: A brief primer. Behavior Therapy. doi:10.1016/j.beth.2020.05.002
- [11] Gnecco, G., Morisi, R., Roth, G., Sanguineti, M., & Taramasso, A. C. (2016). Supervised and semi-supervised classifiers for the detection of flood-prone areas. Soft Computing, 21(13), 3673–3685. doi:10.1007/s00500-015-1983-z
- [12] Torres, J. F., Hadjout, D., Sebaa, A., Martínez-Álvarez, F., & Troncoso, A. (2021). Deep learning for *time series forecasting*: A survey. Big Data, 9(1), 3–21. <https://doi.org/10.1089/big.2020.0159>
- [13] Lim, B., & Zohren, S. (2021). *Time-series forecasting* with deep learning: A survey. Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, 379(2194), 20200209. <https://doi.org/10.1098/rsta.2020.0209>
- [14] IoT & Iot arsitektur - Jabraeil Jamali, M. A., Bahrami, B., Heidari, A., Allahverdizadeh, P., & Norouzi, F. (2019). IoT Architecture. EAI/Springer Innovations in Communication and Computing, 9–31. doi:10.1007/978-3-030-18468-1_2
- [15] Yudha Yudhanto. (2003). Apa itu IOT (*Internet of Things*)? IlmuKomputer.com
- [16] T. A. Firmansyah, and K. E. Susilo, “Prototype Sistem *Monitoring* dan Kontroling Banjir Berbasis *Internet of Things* Menggunakan ESP32” Jurnal Ilmu Komputer dan Teknologi Informasi, ISSN: 2503-054X Vol. 5 No: 1, April 2020
- [17] M. S. Syamsudin, A. P. Akbar, A. Ali, D. A. Rahzisa, N. E. Eliyanti, N. M. Nur'aeni, S. Purwaningsih, “Rancang Bangun Alat Pendekripsi dan *Monitoring* Banjir Menggunakan ESP32,” Prosiding Seminar Nasional Teknologi Informasi dan Bisnis (SENATIB) 2023, e-ISSN 2962-1968

- [18] R. A. E. Pradista, "MINIATUR STASIUN CUACA OTOMATIS BERBASIS NODEMCU", Proyek Akhir, 2022 [Online]. Available: <http://eprints.utdi.ac.id/id/eprint/9760>
- [19] A. Rahmawati, "MONITORING TANAMAN CABAI DARI HAMA ULAT DENGAN SENSOR PIR DAN ESP32 CAM", Proyek Akhir, 2023 [Online]. Available: <http://eprints.utdi.ac.id/id/eprint/10143>
- [20] R. Trishardian, A. Fadli, M. S. Aliim, R. Supriyanti, Y. Ramadhani, "APLIKASI BOT TELEGRAM PADA SISTEM PRESENSI DAN PENGUKURAN SUHU TUBUH BERBASIS IOT", JURNAL TEKNIK ELEKTRO DAN KOMPUTER TRIAC, ISSN 2615-5788 Print (2615-7764), 2022, [Online]. Available: <https://journal.trunojoyo.ac.id/triac>
- [21] Vasilis Tzivaras. (2017). Raspberry Pi Zero W Wireless Projects. Birmingham. Packt Publishing.
- [22] Stephen Few. (2006). Information *dashboard* design: The effective visual communication of data. Italy. O'Reilly Media.
- [23] J. M. Nielsen, C. Z. R. van de Beek, S. Thorndahl, J. Olsson, C. B. Andersen, J. C. M. Andersson, M. R. Rasmussen, and J. E. Nielsen, "Merging weather radar data and opportunistic rainfall sensor data to enhance rainfall estimates," Atmospheric Research, vol. 300, 107228, 15 Apr. 2024. [Online]. Available: <https://doi.org/10.1016/j.atmosres.2024.107228>
- [24] A. Antonini, S. Melani, A. Mazza, L. Baldini, E. Adirosi, and A. Ortolani, "Development and calibration of a low-cost, piezoelectric rainfall sensor through *machine learning*," Sensors, vol. 22, no. 17, p. 6638, 2022. [Online]. Available: <https://doi.org/10.3390/s22176638>
- [25] A. Subekti, B. E. Cahyono, Misto, and A. T. Nugroho, "Static characteristics analysis of ultrasonic sensor HC-SR04 and its application to water level *monitoring* based on Arduino Uno," AIP Conference Proceedings, vol. 2663, p. 060006, 2022. [Online]. Available: <https://doi.org/10.1063/5.0108043>
- [26] N. I. Abdulkhaleq, I. J. Hasan, and N. A. J. Salih, "Investigating the resolution ability of the HC-SR04 ultrasonic sensor," IOP Conference Series: Materials Science and Engineering, vol. 745, no. 1, p. 012043. [Online]. Available: <https://doi.org/10.1088/1757-899X/745/1/012043>

- [27] M. R. Hidayat, S. Sambasri, F. Fitriansyah, A. Charisma, and H. R. Iskandar, "Soft water tank level *monitoring* system using ultrasonic HC-SR04 sensor based on ATMega 328 microcontroller," in Proceedings of the 2019 IEEE International Conference on Water Technology (ICWT), 2019. [Online]. Available: <https://doi.org/10.1109/ICWT47785.2019.8978229>
- [28] Z. Ji and R. Bin, "Weather *monitoring* system based on STM32 and OneNet *Internet of Things* platform," Journal of Physics: Conference Series, vol. 1820, no. 1, p. 012150. [Online]. Available: <https://doi.org/10.1088/1742-6596/1820/1/012150>
- [29] J. D. Paul, W. Buytaert, and N. Sah, "A technical evaluation of lidar-based measurement of river water levels," Water Resources Research, 2019. [Online]. Available: <https://doi.org/10.1029/2019WR026810>
- [30] V. D. F. Santana, R. E. Salustiano, and R. O. Tiezzi, "Development and calibration of a low-cost LIDAR sensor for water level measurements," Flow Measurement and Instrumentation, vol. 100, p. 102729, Dec. 2024. [Online]. Available: <https://doi.org/10.1016/j.flowmeasinst.2024.102729>