

DAFTAR PUSTAKA

- [1] Li, B., Chen, W., Li, J., Liu, J., Shi, P., & Xing, H. (2022). Wave energy assessment based on reanalysis data calibrated by buoy observations in the southern South China Sea. *Energy Reports*, 8, 5067-5079. <https://doi.org/10.1016/j.egy.2022.03.177>
- [2] Adytia, D., Saepudin, D., Pudjaprasetya, S. R., Husrin, S., & Sopaheluwakan, A. (2022). A Deep Learning Approach for Wave Forecasting Based on a Spatially Correlated Wind Feature, with a Case Study in the Java Sea, Indonesia. *Fluids*, 7(1), 39. <https://doi.org/10.3390/fluids7010039>
- [3] Krogstad, H.E., S.F. Barstow, S.E. Aasen, and I. Rodriguez. 1999. Some recent developments in wave buoy measurement technology. *Coastal engineer.*, 37(3):309-329.
- [4] Suharyo, O.s. (2018). RANCANG BANGUN ALAT PENGUKUR GELOMBANG PERMUKAAN LAUT PRESISI TINGGI (A PROTOTYPE DESIGN). *Applied Technology and Computing Science Journal*. 1. 18-29. [10.33086/atcsj.v1i1.6](https://doi.org/10.33086/atcsj.v1i1.6).
- [5] Y. Y. Yurovsky and V. A. Dulov, "Compact low-cost Arduino-based buoy for sea surface wave measurements," *2017 Progress in Electromagnetics Research Symposium - Fall (PIERS - FALL)*, Singapore, 2017, pp. 2315-2322.
- [6] Özger, Mehmet. (2010). "Significant wave height forecasting using wavelet fuzzy logic approach". *Ocean Engineering*. 37. 1443-1451.
- [7] Wei, Chih-Chiang & Hsieh, Chia-Jung. (2018). Using Adjacent Buoy Information to Predict Wave Heights of Typhoons Offshore of Northeastern Taiwan. *Water*. 10. 1800.
- [8] L. A. Laun and E. E. Pittman, "Development of a Small, Low-Cost, Networked Buoy for Persistent Ocean Monitoring and Data Acquisition," *OCEANS 2018 MTS/IEEE Charleston*, Charleston, SC, 2018, pp. 1-6.
- [9] Uzair, M., Yacoub Al-Kafrawi, S., Manaf Al-Janadi, K., & Abdulrahman Al-Bulushi, I. (2022). A low-cost IoT based buildings management system (BMS) using arduino mega 2560 and raspberry pi 4 for smart monitoring and

automation. *International journal of electrical and computer engineering systems*, 13(3), 219-236.

- [10] Dermawan, M., & Meliala, S. (2022). Design Traffic Light of HCSR04 Sensor Fuzzy Logic Method Based on Arduino Mega 2560. *International Journal of Engineering, Science and Information Technology*, 2(4), 133-143.
- [11] J. Guo, C. Li and S. Guo, "A Novel Step Optimal Path Planning Algorithm for the Spherical Mobile Robot Based on Fuzzy Control," in *IEEE Access*, vol. 8, pp. 1394-1405, 2020, doi: 10.1109/ACCESS.2019.2962074.
- [12] Wohingati, G. W., & Subari, A. (2015). Alat pengukur detak jantung menggunakan pulsesensor berbasis Arduino Uno R3 yang diintegrasikan dengan bluetooth. *Gema Teknologi*, 17(2).
- [13] Gabriel, M. M., & Kuria, K. P. (2020). Arduino uno, ultrasonic sensor HC-SR04 motion detector with display of distance in the LCD. *International Journal of Engineering Research and Technical Research*, 9.
- [14] Firman, B. (2016). Implementasi Sensor IMU MPU6050 Berbasis Serial I2C pada Self-Balancing Robot. *Jurnal Teknologi Technoscientia*, 18-24.
- [15] Espressif Systems. (2023). ESP32 Series Datasheet In Espressif Systems version 4.3. <https://www.espressif.com/>
- [16] Arduino, "About Arduino". [Online]. Available : <https://www.arduino.cc/>
- [17] Djunaidi, M., Setiawan, E., & Andista, F. W. (2005). Penentuan jumlah produksi dengan aplikasi metode fuzzy–mamdani. *Jurnal ilmiah teknik industri*, 4(2), 95-104.
- [18] Mangkusasmito, Fakhrudin & Tadeus, Dista & Winarno, Heru & Winarno, Eko. (2020). Peningkatan Akurasi Sensor GY-521 MPU-6050 dengan Metode Koreksi Faktor Drift. *Ultima Computing : Jurnal Sistem Komputer*. 12. 91-95. 10.31937/sk.v12i2.1791.
- [19] Kurnia, M. H., Saputra, R. E., & Setianingsih, C. (2021). Deteksi Tinggi Rendah Gelombang Air Laut Dengan Sistem Multi Sensor Berbasis Iot. *eProceedings of Engineering*, 8(5).
- [20] Fitri, R., Kom, S., & Kom, M. (2020). *Pemrograman Basis Data Menggunakan MySQL*. Deepublish.

- [21] Enterprise, J. (2018). *HTML, PHP, dan MySQL untuk Pemula*. Elex Media Komputindo.
- [22] Darmawan, S., Irawan, B., Setianingsih, C., & Murty, M. A. (2020). Design of detection device for sea water waves with fuzzy algorithm based on internet of things. In *2020 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology (IAICT)* (pp. 75-80). IEEE.