

DAFTAR PUSTAKA

- [1] Oki Pratama, “Konservasi Perairan Sebagai Upaya menjaga Potensi Kelautan dan Perikanan Indonesia,” Direktorat Jenderal Pengelolaan Ruang Laut. Diakses: 9 Maret 2023. [Daring]. Tersedia pada: <https://kkp.go.id/djprl/artikel/21045-konservasi-perairan-sebagai-upaya-menjaga-potensi-kelautan-dan-perikanan-indonesia>
- [2] S. Gunawan Zain dan W. Rahmawati, “Wireless Monitoring Ketinggian Gelombang Laut Berbasis Sensor Inersial Measurement Unit.” [Daring]. Tersedia pada: <https://ojs.unm.ac.id/JESSI/index>
- [3] Humas BRIN, “BRIN Kembangkan Teknologi Deteksi Tsunami Berbasis Sensor,” <https://www.brin.go.id/>.
- [4] M ihsan jasin dan J. D. Mamoto, “Analisis Karakteristik Gelombang dan Pasang Surut Pada Daerah Pantai Paal Kecamatan Kupang Timur,” Skripsi, Universitas Sam Ratulangi, Manado, 2016.
- [5] G. Xu, W. Shen, dan X. Wang, “Applications of wireless sensor networks in marine environment monitoring: A survey,” 2014. doi: 10.3390/s140916932.
- [6] H. Irawan, M. Rivai, dan F. Budiman, “Rancang Bangun Wireless Sensor Network Pada Pendekripsi Dini Potensi Kebakaran Lahan Gambut Menggunakan Banana Pi IoT,” *Jurnal Teknik ITS*, vol. 6, no. 2, 2017, doi: 10.12962/j23373539.v6i2.26016.
- [7] N. Yanti, Z. Kamus, dan J. Hamka Air Tawar Barat Padang, “Pembuatan Alat Ukur Kelajuan Angin Menggunakan Sensor Optocoupler Dengan Display Pc,” vol. VII, no. 2, hlm. 95–108, 2015.
- [8] B. Abidi, A. Jilbab, dan M. El Haziti, “Routing protocols for wireless sensor networks: A survey,” dalam *Advances in Ubiquitous Computing: Cyber-Physical Systems, Smart Cities and Ecological Monitoring*, 2020. doi: 10.1016/B978-0-12-816801-1.00001-3.

- [9] M. J. Khan, Y. Javed, dan F. Ahmed, “Sea State Monitoring Using Wireless Sensor Networks: Design and Implementation,” *IEEE Sensors Journal* 6106-6113., vol. 2, hlm. 15, 2016, doi: 10.1109/JSEN.2016.2572666.
- [10] A. Afriady, T. M. Alam, dan M. F. M. Azis Ismail, “Pemanfaatan Data Angin Untuk Karakteristik Gelombang Laut Di Perairan Natuna Berdasarkan Data Angin tahun 2009 - 2018,” *Buletin Oseanografi Marina*, vol. 8, no. 2, 2019, doi: 10.14710/buloma.v8i1.25304.
- [11] G. Loupatty, “Karakteristik Energi Gelombang Dan Arus Perairan Di Provinsi Maluku,” *BAREKENG: Jurnal Ilmu Matematika dan Terapan*, vol. 7, no. 1, 2013, doi: 10.30598/barekengvol7iss1pp19-22.
- [12] A. Rifai, B. Rochaddi, U. Fadika, J. Marwoto, dan H. Setiyono, “Kajian Pengaruh Angin Musim Terhadap Sebaran Suhu Permukaan Laut (Studi Kasus : Perairan Pangandaran Jawa Barat),” *Indonesian Journal of Oceanography*, vol. 2, no. 1, 2020, doi: 10.14710/ijoce.v2i1.7499.
- [13] J. Falnes dan A. Kurniawan, *Ocean Waves and Oscillating Systems: Linear Interactions Including Wave-Energy Extraction*, 2nd ed., Cambridge, UK: Cambridge University Press. 2020. Diakses: 17 Juli 2024. [Daring]. Tersedia pada: <https://tethys-engineering.pnnl.gov/publications/ocean-waves-oscillating-systems-linear-interactions-including-wave-energy-extraction>
- [14] S. Mitra dan I. Pratiwi, “Rancang Bangun Instrumen Sistem Buoy Menggunakan A-Wsn Protokol Zigbee Untuk Pengamatan Ekosistem Pesisir (Development of Buoy System Instrument using A-WSN ZigBee Protocol for Coastal Ecosystem Monitoring),” 2013.
- [15] I. Obidike, C. Nwabueze, dan K. Onwuzuruike, “Wireless Sensor Network: Characteristics and Architecture,” *IJCAT-International Journal of Computing and Technology*, vol. 5, no. 8, 2018.

- [16] H. Zhang, “A WSN Clustering Multi-Hop Routing Protocol Using Cellular Virtual Grid in IoT Environment,” *Math Probl Eng*, vol. 2020, 2020, doi: 10.1155/2020/8886687.
- [17] H. R. Cao, Z. Yang, dan Y. Q. Li, “A mobile WSN sink node using unmanned aerial vehicles: Design and experiment,” *International Journal of Interactive Mobile Technologies*, vol. 10, no. 3, 2016, doi: 10.3991/ijim.v10i3.5808.
- [18] Hendra Irawan, “Design Of Wireless Sensor Network In The Early Detection Of Potential Fire Peatline Using Banana Pi Iot,” Institut Teknologi Sepuluh Nopember, Surabaya, 2017. Diakses: 9 Mei 2023. [Daring]. Tersedia pada: https://repository.its.ac.id/45911/1/2215105008-Undergraduate_Thesis.pdf
- [19] Thamrin, “Analisi Kinerja Jaringan WPAN ZegBee Dengan Topologi Cluster Tree,” *Jurnal Teknik elektro ITP*, vol. 3, no. 1, 2014.
- [20] A. Ikhwan dkk., “Arduino Uno,” *International Journal of Engineering & Technology*, vol. 7, no. 4, 2018.
- [21] S. Kurniawan, D. K. Halim, H. Dicky, dan C. M. Tang, “Multicore development environment for embedded processor in arduino IDE,” *Telkomnika (Telecommunication Computing Electronics and Control)*, vol. 18, no. 2, 2020, doi: 10.12928/TELKOMNIKA.V18I2.14873.
- [22] A. Ramos-Cenzano, M. Ogueta-Gutierrez, dan S. Pindado, “Performance analysis of present cup anemometers,” *Journal of Energy Systems*, vol. 3, no. 4, 2019, doi: 10.30521/jes.614212.
- [23] J. Falnes, dan M. Perlin, “Ocean Waves and Oscillating Systems: Linear Interactions Including Wave-Energy Extraction. 2nd ed. Cambridge: Cambridge University Press.,” *Appl Mech Rev*, vol. 56, no. 1, 2013, doi: 10.1017/9781108674812.

- [24] B. P. Yahya dan A. Silvia, "Perancangan Wireless Sensor Network dengan Sistem Komunikasi Ad Hoc," *Computer Science and ICT*, vol. ISBN, no. 1, 2017.
- [25] Prahareza Ardiansyah *dkk.*, "Quality Of Service Dan Efisiensi Energi Protokol Zigbee Pada Jaringan Sensor Nirkabel."
- [26] S. S. Riaz, A. Professor, dan & Head, "The Role of Zigbee Technology in Future Data Communication System," *Journal of Theoretical and Applied Information Technology*, vol. 9, no. 2," 2018. Diakses: 17 mei 2023. [Daring]. Tersedia pada: <https://journals.blueeyesintelligence.org/index.php/ijrte/article/view/128>
- [27] S. Ikhwan, R. Farrid Christanti, N. Ardilla, dan S. Suryadi, "Analisis Quality Of Service Jaringan Mobile Wiseland Menggunakan DIGI-XCTU," *Jurnal Nasional Teknologi dan Sistem Informasi*, vol. 6, no. 1, 2020, doi: 10.25077/teknosi.v6i1.2020.46-54.
- [28] S. Sundar, P. Sarthak, R. Kumar, dan H. M. Kittur, "Testing MANET protocol using zigbee based xbee modules," *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 3, no. 2, 2016, doi: 10.11591/ijeecs.v3.i2.pp441-445.