

## DAFTAR PUSTAKA

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- [1] Humas Kemensetneg, "Arti Pesan Mangrove Indonesia di G20: Atasi Krisis Iklim Global." Accessed: Jul. 18, 2024. [Online]. Available: [https://www.setneg.go.id/baca/index/arti\\_pesan\\_mangrove\\_indonesia\\_di\\_g20\\_atasi\\_krisis\\_iklim\\_global#:~:text=Luasan%20itu%20menjadikan%20Indonesia%20sebagai,0%2C2%20juta%20Ha\).](https://www.setneg.go.id/baca/index/arti_pesan_mangrove_indonesia_di_g20_atasi_krisis_iklim_global#:~:text=Luasan%20itu%20menjadikan%20Indonesia%20sebagai,0%2C2%20juta%20Ha).)
- [2] Statista Research Department, "Value of crabs exported from Indonesia from 2014 to 2022," Mona Siahaan. Accessed: Jul. 18, 2024. [Online]. Available: <https://www.statista.com/statistics/1084108/indonesia-crab-export-value/>
- [3] DAVID OERSTED MIRERA, "CAPTURE-BASED MUD CRAB (SCYLLA SERRATA) AQUACULTURE AND ARTISANAL FISHERY IN EAST AFRICA – PRACTICAL AND ECOLOGICAL PERSPECTIVES," 2013.
- [4] S. N. Fatihah, H. T. Julin, and C. A. Chen, "Survival, growth, and molting frequency of mud crab Scylla tranquebarica juveniles at different shelter conditions," 2017. [Online]. Available: <http://www.bioflux.com.ro/aacl>
- [5] Lastri, "FAKTOR MENURUNNYA EKSPOR KEPITING INDONESIA KE AMERIKA SERIKAT," Riau, 2016.
- [6] M. K. M. Kir and O.T. Erdogan, "Effects of temperature on acute toxicity of ammonia to Penaeus semisulcatus juveniles," *Aquaculture*, vol. 241, no. 1–4, 2004.
- [7] M. Saputri *et al.*, "KARAKTERISTIK HABITAT KEPITING BAKAU (*Scylla* sp.) DI EKOSISTEM MANGROVE SILANG CADEK KECAMATAN BAITUSSALAM KABUPATEN ACEH BESAR, PROVINSI ACEH."
- [8] S. Colin C and Alessandro Lovatelli, "Mud Crab Aquaculture : A practical Manual," 2011, Accessed: Sep. 08, 2024. [Online]. Available: <https://api.semanticscholar.org/CorpusID:83199452>
- [9] I. R. N. W. Malida Fauzzia, "Penyisihan Amoniak dan Kekeruhan pada Sistem Resirkulasi Budidaya Kepiting dengan Teknologi Membran BIOFILTER," vol. 2, no. 2, 2013.
- [10] R. A. Bórquez López, L. R. Martinez Cordova, J. C. Gil Nuñez, J. R. Gonzalez Galaviz, J. C. Ibarra Gamez, and R. C. Hernandez, "Implementation and evaluation of open-source hardware to monitor water quality in precision

- aquaculture," *Sensors (Switzerland)*, vol. 20, no. 21, pp. 1–14, Nov. 2020, doi: 10.3390/s20216112.
- [11] A. Trimbakrao Gaikwad Bharati Vidyapeeth, P. Chougale, V. Yadav, A. Gaikwad, and B. Vidyapeeth, "FIREBASE-OVERVIEW AND USAGE," *Article in Journal of Engineering and Technology Management*, 2022, [Online]. Available: [www.irjmets.com](http://www.irjmets.com)
- [12] F. O'Donncha and J. Grant, "Precision Aquaculture," *IEEE Internet of Things Magazine*, vol. 2, no. 4, pp. 26–30, Feb. 2020, doi: 10.1109/iotm.0001.1900033.
- [13] N. Dwi Susanti, D. Sagita, I. Fajar Apriyanto, C. Edi Wahyu Anggara, D. Andy Darmajana, and A. Rahayuningtyas, "Design and Implementation of Water Quality Monitoring System (Temperature, pH, TDS) in Aquaculture Using IoT at Low Cost," 2022.
- [14] C. Zang *et al.*, "Comparison of relationships between pH, dissolved oxygen and chlorophyll a for aquaculture and non-aquaculture waters," Jul. 2011. doi: 10.1007/s11270-010-0695-3.
- [15] X. Ren, Q. Wang, H. Shao, Y. Xu, P. Liu, and J. Li, "Effects of Low Temperature on Shrimp and Crab Physiology, Behavior, and Growth: A Review," Oct. 21, 2021, *Frontiers Media S.A.* doi: 10.3389/fmars.2021.746177.
- [16] ZAKI ZUHAIRI, "RANCANG BANGUN SISTEM MONITORING KUALITAS AIR BERBASIS INTERNET OF THINGS DAN PENETRALAN PH AIR MENGGUNAKAN METODE FUZZY SERTA PENURUNAN TDS DENGAN FILTER," *Universitas Telkom, S1 Teknik Elektro*, 2023.
- [17] P. Studi, M. Manajemen, S. Pantai, : Muhamad, and A. K4a006015, "ANALISIS CARRYNG CAPACITY TAMBAK PADA SENTRA BUDIDAYA KEPITING BAKAU (*Scylla sp*) DI KABUPATEN PEMALANG-JAWA TENGAH TESIS Untuk Memenuhi Sebagian Persyaratan Guna Mencapai Derajat Magister (S-2)," 2008.
- [18] M. Føre *et al.*, "Precision fish farming: A new framework to improve production in aquaculture," Sep. 01, 2018, *Academic Press*. doi: 10.1016/j.biosystemseng.2017.10.014.
- [19] D. K. Nordstrom, C. N. Alpers, C. J. Ptacek, and D. W. Blowes, "Negative pH and Extremely Acidic Mine Waters from Iron Mountain, California," *Environ Sci Technol*, vol. 34, no. 2, pp. 254–258, 1999.

- [20] T. E. of E. Britannica, "Temperature,"  
<https://www.britannica.com/science/temperature>. Accessed 23 April 2024.
- [21] Patrick O'Neill Riley and I. Encyclopædia Britannica, "Temperature Scales,"  
URL  
<https://www.britannica.com/science/temperature#/media/1/586581/238132> Access Date April 23, 2024.
- [22] G. E. Adjovu, H. Stephen, D. James, and S. Ahmad, "Measurement of Total Dissolved Solids and Total Suspended Solids in Water Systems: A Review of the Issues, Conventional, and Remote Sensing Techniques," Jul. 01, 2023, *Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/rs15143534.
- [23] MAXIM, "DS18B20-PAR."
- [24] Dfrobot, "Gravity Analog TDS Sensor Meter For Arduino SKU SEN0244", Accessed: Sep. 19, 2024. [Online]. Available: [https://wiki.dfrobot.com/Gravity\\_\\_Analog\\_TDS\\_Sensor\\_\\_Meter\\_For\\_Arduino\\_SKU\\_\\_SEN0244](https://wiki.dfrobot.com/Gravity__Analog_TDS_Sensor__Meter_For_Arduino_SKU__SEN0244)
- [25] Dfrobot, "PH Meter SKU SEN0161", Accessed: Sep. 19, 2024. [Online]. Available: [https://wiki.dfrobot.com/PH\\_meter\\_SKU\\_\\_SEN0161\\_](https://wiki.dfrobot.com/PH_meter_SKU__SEN0161_)
- [26] M. S. Candra Pradhana, "Simulasi Komunikasi Serial Dengan Protokol I2C Menggunakan Arduino IDE dan Proteus 8," *Teknik Elektro, Universitas Islam Raden Rahmat, Malang 2020*, 2020.
- [27] Makerstore, "WeMos D1 R32 (ESP32) Development Board." Accessed: Sep. 19, 2024. [Online]. Available: <https://www.makerstore.com.au/product/elec-esp32-d1-r32/?srsltid=AfmBOorKp0ijX56zhdo8y1BwddeQmQTgeGYOHS1Fluxoat8tFC1yR55P>
- [28] Google, "Google firebase." Accessed: Aug. 03, 2024. [Online]. Available: <https://firebase.google.com/>