

**DAFTAR PUSTAKA**

- [1] S. V. D. Burg, M. B. Jeroen and S. Wolfert, "Ethics of smart farming in Current Questions and Directions for Responsible Innovation Towards the Future," *Elsevier*, 2019.
- [2] A. Y. Ridha and M. D. Afsari, "Profil Komoditas Barang Kebutuhan Pokok dan Barang Penting Komoditas Cabai," 2016.
- [3] B. Waryanto and R. Widaningsih, "Outlook Tanaman Pangan dan Holtikultura," 2017.
- [4] L. Nuryati, B. Waryanto and R. Widaningsih, "Outlook Komoditas Pertanian Sub Sektor Holtikultura," 2016.
- [5] N. Sumarni and A. Muharam, *Budidaya Tanaman Cabai Merah*, 2005.
- [6] L. Bajer and O. Krejcar, "Design and Ralization of Low Cost Control for Greenhouse Environment with Remote Control," *Scienc Direct*, 2015.
- [7] S. Munir, I. S. Bajwa, A. Naeem and B. Ramzan, "Design and Implementation of an IoT System for Smart Energy Consumption and Smart Irrigation in Tunnel Farming," *Energies*, 2018.
- [8] Encyclopaedia Britannica, "Luminous Intensity," Britannica, [Online]. Available: <https://www.britannica.com/science/luminous-intensity>. [Accessed Desember 2020].
- [9] Encyclopaedia Britannica, "Temperature," Britannica, [Online]. Available: <https://www.britannica.com/science/temperature>. [Accessed Desember 2020].
- [10] Encyclopaedia Britannica, "Soil moisture," Britannica, [Online]. Available: <https://www.britannica.com/science/humidity>. [Accessed Desember 2020].

- [11] Encyclopaedia Britannica, "Humidity," Britannica, [Online]. Available: <https://www.britannica.com/science/humidity>. [Accessed Desember 2020].
- [12] Encyclopaedia Britannica, "Flow," Britannica, [Online]. Available: <https://www.britannica.com/science/flow-mechanics>. [Accessed Desember 2020].
- [13] Encyclopaedia Britannica, "PH," Britannica, [Online]. Available: <https://www.britannica.com/science/pH>. [Accessed Desember 2020].
- [14] Encyclopaedia Britannica, "Alternating Current," Britannica, [Online]. Available: <https://www.britannica.com/science/alternating-current>. [Accessed Desember 2020].
- [15] Encyclopaedia Britannica, "Volt," Britannica, [Online]. Available: <https://www.britannica.com/science/volt-unit-of-measurement>. [Accessed Desember 2020].
- [16] Encyclopaedia Britannica, "Power," Britannica, [Online]. Available: <https://www.britannica.com/science/power-physics>. [Accessed Desember 2020].
- [17] Encyclopaedia Britannica, "Greenhouse," Britannica, [Online]. Available: <https://www.britannica.com/topic/greenhouse>. [Accessed Desember 2020].
- [18] M. Z. Izquierdo, J. Santa, J. A. Martinez, V. Martinez and A. F. Skarmeta, "Smart Farming IoT Platform Based on Edge and Cloud Computing," *ScieneDirect*, no. Intelligent Systems for Environmental Applications, 2018.
- [19] M. S. Munir, I. S. Bajwa and S. M. Cheema, "An Intelligent and Secure Smart Watering System Using Fuzzy Logic," *Elsevier*, no. Computers and electrical Engineering, 2019.
- [20] K. Rose, S. Eldridge and L. Chapin, *The Internet Of Things : An Overview Understanding the Issues and Challenges of a More Connected World*, Internet Society, 2015.

- [21] R. Khanna, "Internet of Things in Architectures, Protocols, and Applications," *Hindawi*, no. Electrical and Computer Engineering, 2017.
- [22] MathWorks, "Learn More About ThingSpeak," The MathWorks, inc. [Online]. [Accessed Desember 2020].
- [23] R. Santos and S. Santos, "Getting Started with the ESP32 Development Board," Random Nerd Tutorials, [Online]. Available: <https://randomnerdtutorials.com/getting-started-with-esp32/>. [Accessed Desember 2020].
- [24] ELPROCUS, "BH1750 – Specifications and Applications," [Online]. Available: <https://www.elprocus.com/bh1750-specifications-and-applications/>. [Accessed Desember 2020].
- [25] ELPROCUS, "DHT22 – Pin Diagram, Circuit and Its Applications," [Online]. Available: <https://www.elprocus.com/dht22-pin-diagram-circuit-and-its-applications/>. [Accessed Desember 2020].
- [26] ELPROCUS, "Soil Moisture Sensor Working and Applications," [Online]. Available: <https://www.elprocus.com/soil-moisture-sensor-working-and-applications/>. [Accessed Desember 2020].
- [27] ELPROCUS, "Water Flow Sensor Working and Its Applications," [Online]. Available: <https://www.elprocus.com/a-memoir-on-water-flow-sensor/>. [Accessed Desember 2020].
- [28] ELPROCUS, "ACS712 Current Sensor Working and Applications," [Online]. Available: <https://www.elprocus.com/acs712-current-sensor-working-and-applications/>. [Accessed Desember 2020].
- [29] Innovatorguru, "ZMPT101B," [Online]. Available: <https://innovatorguru.com/zmpt101b/>. [Accessed Desember 2020].

- [30] ELPROCUS, "Electromechanical Relay Construction with Working," [Online]. Available: <https://www.elprocus.com/electromechanical-relay-working-with-applications/>. [Accessed Desember 2020].
- [31] ELPROCUS, "Water Pump Types and Applications," [Online]. Available: <https://www.elprocus.com/water-pump-types-and-applications/>. [Accessed Desember 2020].
- [32] FAO Indonesia, "Budidaya Cabai yang Baik dan Benar," [Online]. Available: <http://www.fao.org/documents/card/en/c/2ff70bab-1b46-43c0-b227-3f168b8caaec/>. [Accessed Desember 2020].
- [33] P. H. Sydenham and R. Thorn, "Calibration Process," in *Measuring System Desain*, Perth, Curtin University of Technology, 2005, p. 271.
- [34] S. Burke, "Statistics and Data Analysis," in *Regression and Calibration*, Buckinghamshire, RHM Technology, 2001, p. 13.
- [35] ARDUINO, "map(value, fromLow, fromHigh, toLow, toHigh)," ARDUINO, [Online]. Available: <https://www.arduino.cc/en/Reference/Map>&gt;. [Accessed Desember 2020].
- [36] E. M. G., S. Gautam, L. Lai, S. Kumar, J. B. V., X. Wang and R. Rafique, "Combined PEST and Trial-Error Approach to Improve APEX Calibration," *Elsevier*, no. Computers and Electronics in Agriculture, 2015.
- [37] E. Haghihi, D. J. Short Gianotti, R. Akbar, G. D. Salvucci and D. Entekhabi, "Soil and Atmospheric Controls on the Land Surface Energy Balance: A Generalized Framework for Distinguishing Moisture-Limited and Energy-Limited Evaporation Regimes," *AGU*, no. Water Resource Research, 2017.