DAFTAR PUSTAKA

- [1] Worldmeters, "World Population by Year". [Online]. Available: https://www.worldometers.info/world-population/world-population-by-year/. [Accessed: 02-Apr-2020].
- [2] Worldometers, "World Population Projections". [Online]. Available: https://www.worldometers.info/world-population/world-population-projections/. [Accessed: 02-Apr-2020].
- [3] Food and Agriculture Organization of the United Nation, "Water for Sustainable Food and Agriculture", Rome, 2017.
- [4] Bowery, "Introducing Bowery: The Modern Farming Company", 2017. [Online]. Available: https://news.boweryfarming.com/introducing-bowery-the-modern-farming-company-68e00f08216a . [Accessed: 03-Apr-2020].
- [5] M. Kartosugondo, F. Leliana, and A. Yolanda, "Smart Hydro System Sebagai Solusi Otomasi Pemeliharaan Pertanian Hidroponik", *Prosiding SNST ke-9*, 2018, pp. 110-114.
- [6] S. Mohammed, "Tomorrow's Agriculture 'NFT Hydroponics' Grow Within Your Budget". Switzerland: Springer, 2017.
- [7] W. J. M. Lommen, "The Canon of Potato Science: 27. Hydroponics," *Potato Res.*, vol. 50, no. 3, pp. 315-318, 2008.
- [8] N. R. Kharche, A. M. Jadhav, A. P. Ingle, S. A. Khedkar, and S. V. Ghule, "Design and Development of Arduino based Nutrient Film Technique System", *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, vol. 7, issue V, pp. 3959-3963, 2019.
- [9] S. Lee and J. Lee, "Beneficial bacteria and fungi in hydroponic Systems: Types and characteristic of hydroponic food production methods," *Sci. Hortic, (Amsterdam).*, vol, 195, pp. 206-215, 2015.
- [10] Dinas Pangan, Pertanian, dan Peternakan Kota Pontianak, "Unsur Hara Kebutuhan Tanaman", 2018. [Online]. Available: https://pertanian.pontianakkota.go.id/artikel/52-unsur-hara-kebutuhantanaman.html. [Accessed: 05-Apr-2020].
- [11] HDRPNK, "Tabel PPM dan pH Nutrisi Hidroponik", 2016. [Online]. Available: http://hidroponikpedia.com/tabel-ppm-dan-ph-nutrisi-hidroponik/. [Accessed: 05-Apr-2020].
- [12] Lumigrow, "The Devinitive Giude to Grow Light Spectrum". [Online]. Available: https://www.lumigrow.com/learning-center/blogs/the-definitive-guide-to-grow-light-spectrum/. [Accessed: 06-Apr-2020].

- [13] D. H. Sliney, "What is Light? The Visible Spectrum and Beyond", *Macmillan Publishers*, 2016.
- [14] H. Dou, G. Niu, M. Gu, and J. G. Masabni, "Effect of Light Quality on Growth and Phytonutrient Accumulation of Herbs under Controlled Environments", *Horticulturae*, vol. 3, no. 36, 2017.
- [15] Feng Tian, "Study and Optimization of Lighting Systems for Plant Growth in a Controlled Environment", *Chemical and Process Engineering*, Université Paul Sabatiér Toulouse III, 2016.
- [16] Platformio, "WeMos D1 R1 Documentation". [Online]. Available: https://docs.platformio.org/en/latest/boards/espressif8266/d1.html#hardware. [Accessed: 2 Januari 2021].
- [17] Investopedia, "What are 'Fabless' Chip Makers?". [Online]. Available: https://www.investopedia.com/ask/answers/050615/what-are-fabless-chip-makers-and-why-are-they-important-semiconductor-market.asp. [Accessed: 2 Januari 2021].
- [18] CyanInfinite, "Getting Started with the Wemos D1 ESP8266 Wi-Fi Board". [Online]. Available: https://cyaninfinite.com/getting-started-with-the-wemos-d1-esp8266-wifi-board/. [Accessed: 3 Januari 2021].
- [19] R. Sovia, and J. Febio, "Membangun Aplikasi E-Library Menggunakan HTML, PHP Script, dan MySQL Database" *Jurnal PREPROCESSOR*, vol. 6, no. 2, pp. 38-54, 2011.
- [20] A. Dennis, B. H. Wixom, and D. Tegarden, "Systems analysis and design: An object-oriented approach with UML", Fifth Edition, John Wiley & Sons, Inc., 2015.
- [21] D. Febiharsa, I. M. Sudana, and N. Hudallah, "Uji Fungsionalitas (Blackbox Testing) Sistem Informasi Lembaga Sertifikasi Profesi (SILSP) Batik dengan AppPerfect Web Test dan Uji Pengguna", *Journal of Informatics Education*, vol. 1, no. 2, pp. 117-126, 2018.
- [22] Helmy et al., "SmartGreenHouse: Prototipe Sistem Monitoring Budidaya Tanaman Hidroponik Tipe Nutrient Film Technique (NFT) Berbasis Web", *Prosiding Sentrinov*, vol. 3, pp. 75-85, 2017.
- [23] N. D. Setiawan, "Otomasi Pencampur Nutrisi Hidroponik Sistem NFT (*Nutrien Film Technique*) Berbasis Arduino Mega 2560", Jurnal Teknik Informatika Unika St. Thomas (JTIUST), vol. 3, no. 2, pp. 78-82, 2018.
- [24] R. Gunawan, T. Andhika, Sandi, and F. Habatulloh, "Sistem Monitoring Kelembapan Tanah, Suhu, pH dan Penyiraman Otomatis Pada Tanaman Tomat Berbasis Internet of Things", Jurnal TELEKONTRAN vol. 7 no. 1, 2019.

- [25] P. Sihombing et al., "Automated Hydroponics Nutrition Plants Systems Using Arduino Uno Microcontroller based on Android", *International Conference on Computing and Applied Informatics*, 2017.
- [26] DZone, "Intro to MySQL". [Online]. Available: https://dzone.com/articles/introduction-to-mysql-1. [Accessed: 14 Februari 2021].
- [27] MySQL, "Commercial License for OEMs, ISVs and VARs". [Online]. Available: https://www.mysql.com/about/legal/licensing/oem/. [Accessed: 14 Februari 2021].
- [28] DatasheetsPDF, "Ultrasonic Sensor. HC-SR04 Datasheet". [Online]. Available: https://datasheetspdf.com/pdf/1380136/ETC/HC-SR04/1. [Accessed: 14 Februari 2021].
- [29] ETS Worlds, "Apa yang Dimaksud Dengan PPM (Parts per Million?)". [Online]. Available: https://www.etsworlds.id/2020/08/apa-yang-dmaksud-dengan-ppm-part-per.html. [Accessed: 14 Februari 2021].
- [30] Wiki DFRobot, "Gravity Analog TDS Sensor Meter For Arduino SKU SEN0244". [Online]. Available: https://wiki.dfrobot.com/Gravity_Analog_TDS_Sensor_Meter_For_Arduino_SKU_SEN0244. [Accessed: 14 Februari 2021].
- [31] ThoughtCo., "Electrical Conductivity Definition". [Online]. Available: https://www.thoughtco.com/definition-of-electrical-conductivity-605064. [Accessed: 14 Februari 2021].
- [32] Electronoclinic. "TDS Meter Arduino, Water Quality Monitoring Project, TDS in Water". [Online]. Available: https://www.electroniclinic.com/tds-meter-arduino-water-quality-monitoring-project-tds-in-water/. [Accessed: 14 Februari 2021].
- [33] Wiki Keyestudio. "KS0168 Keyestudio L9110 Fan Control Module". [Online]. Available: https://wiki.keyestudio.com/Ks0168_keyestudio_L9100 _fan_control_module#Introduction. [Accessed: 14 Februari 2021].
- [34] E. Sari, Y. Kitty, and A. Dwiranti "Sistem Hidroponik Nutrient Film Technique (NFT) dan Wick pada Penanaman Bayam Merah", *Surya Octagon Interdisciplinary Journal of Technology*, vol. 1 no. 2, 2016.