DAFTAR PUSTAKA

[1] *SIPPN*, "Sistem Informasi Pelayanan Publik," 2016. https://sippn.menpan.go.id/pelayanan-publik/8049458/badan-karantina-pertanian/setifikasi-karantina-ekspor-buah-salak-ke-china.

[2] Kjellby *et al.*, "Design and Prototype Implementation of Long-Range Self-Powered Wireless IoT Devices," *IEEE Xplore*, Dec. 01, 2018. https://ieeexplore.ieee.org/document/8719340.

[3] Gaikwad et al., "Optimizing Power Consumption for Solar Powered Rechargeable Lithium Ion (Li-ion) Battery Operated IoT Based Sensor Node Using WeMos D1 Mini," *2021 International Conference on Emerging Smart Computing and Informatics (ESCI)*, Mar. 2020, doi: https://doi.org/10.1109/esci48226.2020.9167575.

[4] Cerchecci et al., "A Low Power IoT Sensor Node Architecture for Waste Management Within Smart Cities Context," Sensors, vol. 18, no. 4, p. 1282, Apr. 2018, doi: https://doi.org/10.3390/s18041282.

[5] J. Gubbi, R. Buyya, S. Marusic, and M. Palaniswami, "Internet of Things (IoT): A vision, architectural elements, and future directions," *Future Generation Computer Systems*, vol. 29, no. 7, pp. 1645–1660, Sep. 2013, doi: https://doi.org/10.1016/j.future.2013.01.010.

[6] L. Atzori, A. Iera, and G. Morabito, "The Internet of Things: A survey," *Computer Networks*, vol. 54, no. 15, pp. 2787–2805, Oct. 2010, doi: https://doi.org/10.1016/j.comnet.2010.05.010.

[7] K. Patel, and M. Patel, "Internet of Things-IoT: Definition, characteristics, architecture, enabling technologies, application & future challenges",

2016, International Journal of Engineering Science and Computing, 6(5), 6122-6131.

[8] R. S. Sinha, Y. Wei, and S.-H. Hwang, “A survey on LPWA technology: LoRa and NB-IoT,” *ICT Express*, vol. 3, no. 1, pp. 14–21, Mar. 2017, doi: https://doi.org/10.1016/j.icte.2017.03.004.

[9] Semtech Corporation, “LoRa modulation basics”, 2015, White Paper.

[10] Sensirion, “SHT20 humidity and temperature sensor”, SHT20 datasheet, Oct. 2024

[11] ROHM Semiconductor, “BH1750FVI is an digital Ambient Light Sensor IC for I2C bus interface”, BH1750FVI datasheet, Apr. 2009

[12] STMicroelectronics, “Ultra-low-power Arm ® Cortex® -M33 32-bit MCU”, STM32u585xx datasheet, Jul. 2024

[13] STM32duino, “STM32duino opensource community,” STM32duino. [Online]. Available: https://github.com/stm32duino.

[14] Arduino, “Arduino Documentation,” Arduino. [Online]. Available: https://docs.arduino.cc.

[15] M. McCauley, “RadioHead Packet Radio library for embedded microprocessors”, RadioHead

[16] S. Barge and M. Gerardine, “Low power techniques for internet of things implementation: A review,” Multidisciplinary Reviews, vol. 7, no. 12, p. 2024306, Aug. 2024, doi: https://doi.org/10.31893/multirev.2024306.

[17] T. V. Manohar and D. T. Dharini, “International Journal for Innovative Research in Technology,” International Journal of Innovative Research in Technology, vol. 11, no. 5, pp. 1136–1142, Oct. 2024.

[18] Consonance Electronics, “CN3791 is a PWM switch-mode lithium ion battery charger controller,” Rev. 1.0.

[19] Microchip Electronics, “MIC5219 is an efficient linear voltage regulator with high peak output current capability,” DS20006021A. 2018.

[20] Suzhou XySemi Electronic Technology Co., Limited., “XB5350D0 product is a high integration solution for lithium-ion/polymer battery protection,” Rev 0.2.

[21] Texas Instruments, “TPL5111 Nano Timer is a low-power system timer designed for power gating in duty cycled or battery-powered applications,” SNAS659B, Jun. 2015.

[22] Texas Instruments, “TPS22918 is a single-channel load switch with configurable rise time and configurable quick output discharge,” SLVSD76C, Feb. 2016.

[23] Texas Instruments, “DRV5032 device is an ultra-low-power digital-switch Hall effect sensor,” SLVSDC7H, Apr. 2017.

[24] Texas Instruments, “CD4020B, CD4024B, CD4040B are ripple-carry binary counter,” SCHS030D, Dec. 2003.

[25] Texas Instruments, “PCF8575 device provides general-purpose remote I/O expansion for most microcontroller,” SCPS121I, Jan. 2005.

[26] Ouyang D, Chen M, Liu J, Wei R, Weng J, Wang J. “Investigation of a commercial lithium-ion battery under overcharge/over-discharge failure conditions,” RSC Adv. 2018 Sep 27;8(58):33414-33424. doi: 10.1039/c8ra05564e. PMID: 35548129; PMCID: PMC9086475.

[27] Menale C, Constà S, Sglavo V, Della Seta L, Bubbico R. "Experimental Investigation of Overdischarge Effects on Commercial Li-Ion Cells," Energies. 2022; 15(22):8440. https://doi.org/10.3390/en15228440

[28] REDAKSI, "China Tidak Terima Sementara Buah Salak Indonesia," *Majalah HORTUS Archipelago*, Jun. 02, 2024. https://news.majalahhortus.com/china-tidak-terima-sementara-buah-salak-indonesia/

[29] FAO/IAEA, "Trapping guidelines for area-wide fruit fly programmes," 2018. Available: https://www.iaea.org/sites/default/files/trapping-guideline.pdf

[30] FAO/IAEA, "GUIDELINES ON PHYTOSANITARY PROCEDURES FOR AREA-WIDE MANAGEMENT OF FRUIT FLY PESTS," 2023. Available: https://openknowledge.fao.org/server/api/core/bitstreams/be552b9e-9ab8-4cec-ba0c-2fa4f77896c7/content

[31] Momen et al., "Population dynamics of fruit flies (Diptera: Tephritidae) in a semirural area under subtropical monsoon climate of Bangladesh," *Scientific Reports*, vol. 15, no. 1, Jul. 2025, doi: https://doi.org/10.1038/s41598-025-03749-3.

[32] FAO, "ISPM 26 Establishment of pest free areas for fruit flies (Tephritidae)," 2015. https://openknowledge.fao.org/server/api/core/bitstreams/97aa2d3f-2650-409d-b593-42acc48af3dd/content

[33] Y. D. Putri, R. Gunadi, D. Pranowo, A. Affandi, and S. Suputa, "Population Dynamic of Fruit Fly Pests Bactrocera spp. in Salacca Orchard in Relation to Host Plants and Climate Factors," *AGRIVITA Journal of Agricultural*

Science, vol. 46, no. 1, p. 1, Jan. 2024, doi: https://doi.org/10.17503/agrivita.v46i1.4257.