

DAFTAR PUSTAKA

1. Taufik H. Simatupang, Sri Hartini, Desty Anggie Mustika, Ady Purwoto, Muhar Junef, Ahmad Sanusi, Firdaus, Trisapto Wahyudi Agung Nugroho, Josefhin Mareta, Ahmad Jazuli & Insan Firdaus (2024) Salak from Indonesia: legal protection, potential geographical indications and development practices toward international markets, *Cogent Social Sciences*, 10:1, DOI: 10.1080/23311886.2024.2341963 <https://www.tandfonline.com/doi/epdf/10.1080/23311886.2024.2341963?n=1&pdfAccess=true>
2. Pusat Data dan Sistem Informasi Pertanian. (2020). *Outlook komoditas hortikultura salak tahun 2020*. Kementerian Pertanian Republik Indonesia. https://satudata.pertanian.go.id/assets/docs/publikasi/Outlook_Komoditas_Hortikultura_Salak_Tahun_2020.pdf
3. Dr. Suputa, Entomologi Universitas Gajah Mada, In Person Interview, 28 November 2025.
4. Potamitis, I., Rigakis, I., & Tatlas, N. A. (2017). Automated surveillance of fruit flies. *Sensors*, 17(1), 110. <https://www.mdpi.com/1424-8220/17/1/110>
5. Diller, Y., et al. (2023). A real-time remote surveillance system for fruit flies of economic importance: Sensitivity and image analysis. *Journal of Pest Science*, 96, 611–622. <https://doi.org/10.1007/s10340-022-01518-z>
6. Cardim Ferreira Lima, M., et al. (2020). Automatic Detection and Monitoring of Insect Pests—A Review. *Agriculture*, 10(5), 161. <https://www.mdpi.com/2077-0472/10/5/16>
7. International Atomic Energy Agency (IAEA). (2019). *Guidance for the Development of a National Monitoring System for Fruit Flies*. IAEA. <https://www.iaea.org/sites/default/files/19/08/tecdoc-1891-guidance-for-the-development.pdf>
8. Nafus, D. M., Reddy, G. V. P., Sengebau, F. I., & Esguerra, N. M. (2018). Methyl eugenol and cue-lure traps for fruit fly (Diptera: Tephritidae)

- monitoring, detection, and control in the Mariana Islands. *Proceedings, Hawaiian Entomological Society*, 50, 27-44.
<https://scholarspace.manoa.hawaii.edu/server/api/core/bitstreams/17822f73-b6d4-42f4-8a1a-3e4726588a27/content>
9. Padilla-Lopez, J. R., Cha-Om, P., & Piche-Ova, E. (2015). A survey on object detection and tracking. In A. F. G. Castillo, J. H. Sossa & G. S. Pérez (Eds.), *Advances in Computational Intelligence* (pp. 301-313). Springer, Cham.
https://link.springer.com/chapter/10.1007/978-3-319-19218-1_29
 10. Schutze, M. K., Aketarawong, N., Amornsak, W., Armstrong, K. F., Augustinos, A. A., Barr, N., ... & Clarke, A. R. (2017). Synonymization of *Bactrocera invadens* Drew, Tsuruta & White with *Bactrocera dorsalis* (Hendel) (Diptera: Tephritidae), with overview of pest status and management options. *Systematic Entomology*, 42(4), 675-693.
<https://onlinelibrary.wiley.com/doi/full/10.1111/syen.12242>
 11. Siregar, M., & An, K. (2020). Market Integration of Indonesian Salacca in Domestic Market. *Jurnal Agribisnis Indonesia*, 8(2), 127-138.
<https://journal.ipb.ac.id/index.php/jagbi/article/view/31956>
 12. Sharkey, C. R., Blanco, J., Leibowitz, M. M., Pinto-Benito, D., & Wardill, T. J. (2020). The spectral sensitivity of *Drosophila* photoreceptors. *Scientific Reports*, 10, 18242. <https://doi.org/10.1038/s41598-020-74742-1>
 13. Shuman, D., Weaver, D. K., & Larson, R. G. (2005). Performance of an analytical, dual infrared-beam, stored-product insect monitoring system. *Journal of Economic Entomology*, 98(5), 1723–1732.
<https://doi.org/10.1093/jee/98.5.1723>
 14. Sobiatin, E., Marini, M. A., & Kuswardani, S. R. D. (2019). The effect of light color variation in simple light traps on the number of fruit flies (*Bactrocera* sp.) trapped. *Contributions of Central Research Institute for Agriculture*, 8(2). Retrieved from
<https://journal.umy.ac.id/index.php/ccria/article/view/45>
 15. Naiem, F. A., Zheng, W., Haider, K., Kabir, K., Afzal, I., & Zhang, H. (2026). Investigating the disparity in visual stimuli-induced behavioral

- responses between *Bactrocera dorsalis* and *Zeugodacus tau* (Diptera: Tephritidae). *Insects*, 17(1), 8. <https://doi.org/10.3390/insects17010008>
16. Ramalingam, B., Mohan, R. E., Pookkuttath, S., Gómez, B. F., Sairam Borusu, C. S. C., Wee Teng, T., & Tamilselvam, Y. K. (2020). Remote Insects Trap Monitoring System Using Deep Learning Framework and IoT. *Sensors*, 20(18), 5280. <https://doi.org/10.3390/s20185280>
 17. Romadhoni, H. I., Maulana, R., & Widasari, E. R. (2022). Implementasi analisis perbandingan filter Kalman, moving average, dan eksponensial pada alat pengukur kadar kolesterol berbasis non-invasif. <https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/11626>
 18. Anzum, R., Habaebi, M. H., Islam, R., & Hakim, G. P. N. (2021). Factors that affect LoRa propagation in foliage medium. *Procedia Computer Science*, 194, 149–155. <https://doi.org/10.1016/j.procs.2021.10.068>
 19. Seeed Studio. (2024). *Seeed Studio XIAO Series SOM datasheet: XIAO ESP32C3* (Version 1.0) [Datasheet]. Seeed Studio. <https://files.seeedstudio.com/wiki/XIAO/Seeed-Studio-XIAO-Series-SOM-Datasheet.pdf>
 20. Consonance Electronics. (2021). CN3791: 4A, standalone Li-ion battery charger IC with photovoltaic cell MPPT function [Datasheet]. <https://www.lcsc.com/datasheet/C154992.pdf>
 21. Hodson, T. O. (2022): Root-mean-square error (RMSE) or mean absolute error (MAE): when to use them or not, *Geosci. Model Dev.*, 15, 5481–5487, <https://doi.org/10.5194/gmd-15-5481-2022>.
 22. Brown, G. W., et al. (2025). Field assessment of current and improved surveillance traps for fruit flies (Diptera: Tephritidae) in Australia. *Journal of Economic Entomology*, 118(3), 1344-1358. <https://doi.org/10.1093/jee/toaf085>
 23. Suputa et al. (2010). Pedoman koleksi dan preservasi lalat buah (Diptera: Tephritidae). Direktorat Perlindungan Tanaman Hortikultura, Direktorat Jenderal Hortikultura, Departemen Pertanian. <https://repository.pertanian.go.id/server/api/core/bitstreams/0771cd10-6618-4ed0-b960-5aa9678e537c/content>

24. FAO/IAEA. (2018). Trapping guidelines for area-wide fruit fly programmes (2nd ed., W. R. Enkerlin & J. Reyes-Flores, Eds.). Food and Agriculture Organization of the United Nations & International Atomic Energy Agency.
<https://www.iaea.org/publications/13462/trapping-guidelines-for-area-wide-fruit-fly-programmes>
25. Balla E, Flórián N, Gergócs V, Gránicz L, Tóth F, Németh T, Dombos M. An Opto-electronic Sensor-ring to Detect Arthropods of Significantly Different Body Sizes. *Sensors* (Basel). 2020 Feb 12;20(4):982. doi: 10.3390/s20040982. PMID: 32059444; PMCID: PMC7070424.
26. Nguyen, V.-K., Vy, L.-G., Khang, N.-H., & Doitsidis, L. (2025). Towards fruit fly automatic counting: Electronic trap design and long-term feature data acquisition. *International Journal of Applied Science and Engineering*, 22(3), 1–12. <https://gigvvy.com/journals/ijase/articles/ijase-202509-22-3-004>
27. Al-Zarboubi, A., Al-Hashimi, M., & Al-Mistarihi, M. (2024). IoT based intelligent pest management system for precision agriculture. *Sensors*, 24(1), 1–20.
<https://elmi.hbku.edu.qa/en/publications/iot-based-intelligent-pest-management-system-for-precision-agriculture/>
28. MySalak, 1 Year Follow Up Survey, 24 November 2025.