

DAFTAR PUSTAKA

- [1] Ariestin, Y., Kuswanto, & Ashari, S. (2025). KERAGAMAN JENIS SALAK BANGKALAN {Salacca Zalacca (Gaertner) Voss} MENGGUNAKAN PENANDA MORFOLOGI DAN ANALISIS ISOZIM. *Jurnal Produksi Tanaman*, 3(1), 35–42. <https://media.neliti.com/media/publications/128999-ID-keragaman-jenis-salak-bangkalan-salacca.pdf>
- [2] Djaafar, T. F., Marwati, T., Indrasari, S. D., Hatmi, R. U., Siswanto, N., Purwaningsih, P., Ambarsari, I., & Supriyadi, S. (2022). Mutu Fisik Buah Salak Pondoh (Salacca edulis Reinw): Pengaruh Pelilinan dan Pengemasan Menggunakan Kantong Plastik Low Density Polyethylene. *Jurnal Agritech*, 42(2), 113. <https://doi.org/10.22146/agritech.55376>
- [3] Mardiah, A. (2019). KARAKTERISTIK SENSORI DAN DAYA TERIMA SELAI SALAK PONDOKH DENGAN PEKTIN DAN LIME FLAVOURED SEASONING. *UPI Repository*. <https://repository.upi.edu/42813/>
- [4] Wahyuni, I. D. (2025). *Implementasi YOLOv5 untuk Deteksi dan Perhitungan Otomatis Jumlah Lalat Buah pada Tanaman Salak* [Bachelor Thesis, Universitas Multimedia Nusantara]. <https://kc.umn.ac.id/id/eprint/37801/>
- [5] Riniarsih, D. (2020). *OUTLOOK SALAK*. Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal Kementerian Pertanian. https://satudata.pertanian.go.id/assets/docs/publikasi/Outlook_Komoditas_Hortikultura_Salak_Tahun_2020.pdf
- [6] Nurwijayo, W. (2024, June). *Cara Mencegah Hama Salak Pondoh agar Panen Melimpah*. <https://gdm.id/cara-mencegah-hama-salak-pondoh/>

- [7] Faveri, S. D., Vijayasegaran, S., & Cheesman, J. (2024). *Area-wide management of methyl eugenol-attracted fruit flies in mango: A systems approach*. Australian Centre for International Agricultural Research. <https://www.aciar.gov.au/publication/books-and-manuals/area-wide-management-fruit-fly>
- [8] Survei MySalak: Permasalahan. <https://drive.google.com/file/d/1js-M0zfSVbtzZcs9Qu270xe5gcKg7YRO/view?usp=sharing>
- [9] Buda, M., Maki, A., & Mazurowski, M. A. (2018). A systematic study of the class imbalance problem in convolutional neural networks. *Neural Networks*. <https://arxiv.org/pdf/1710.05381>
- [10] Crasto, N. (2024). Class imbalance in object Detection: An experimental diagnosis and study of mitigation strategies. *arXiv (Cornell University)*. <https://doi.org/10.48550/arxiv.2403.07113>
- [11] Ultralytics. (n.d.). *Using image-weights in train.py · ultralytics/yolov5 · Discussion #9779*. GitHub. <https://github.com/ultralytics/yolov5/discussions/9779>
- [12] Yangjinghit. (2020, October 29). *img-weights [Online forum post]*. GitHub. <https://github.com/ultralytics/yolov5/issues/1238>
- [13] Tang, S., Fang, Y., & Zhang, S. (2023). HIC-YOLOV5: Improved YOLOV5 for small object detection. *arXiv (Cornell University)*. <https://doi.org/10.48550/arxiv.2309.16393>
- [14] Mamdouh, N., & Khattab, A. (2021). YOLO-Based Deep learning framework for olive fruit fly detection and counting. *IEEE Access*, 9, 84252–84262. <https://doi.org/10.1109/access.2021.3088075>

- [15] Hao, S., Gao, E., Ji, Z., & Ganchev, I. (2025). BCS_YOLO: Research on corn leaf disease and pest detection based on YOLOV11N. *Applied Sciences*, 15(15), 8231. <https://doi.org/10.3390/app15158231>
- [16] Steindl, G., Baca, A., & Kornfeind, P. (2025). Influences and training strategies for effective object detection in challenging environments using YOLO NAS-L. *Sensors*, 26(1), 190. <https://doi.org/10.3390/s26010190>
- [17] Ultralytics. (2025, December 12). *Performance Metrics Deep Dive*. Ultralytics YOLO Docs. <https://docs.ultralytics.com/guides/yolo-performance-metrics/#how-to-calculate-metrics-for-yolo11-model>
- [18] Tetila, E. C., Machado, B. B., Menezes, G. V., De Souza Belete, N. A., Astolfi, G., & Pistori, H. (2020). A Deep-Learning approach for automatic counting of soybean insect pests. *IEEE Geoscience and Remote Sensing Letters*, 17(10), 1837–1841. <https://doi.org/10.1109/lgrs.2019.2954735>
- [19] Suwarno, S., Arianti, L., Rasnovi, S., Yasmin, Y., & Nasir, M. (2018). Inventarisasi Lalat Buah (Diptera: Tephritidae) pada Buah-buahan di Kota Jantho, Aceh Besar. *Jurnal Bioleuser*, 2(1). <https://scispace.com/pdf/inventarisasi-lalat-buah-diptera-tephritidae-pada-buah-58djsrdok4.pdf>
- [20] Sinaga, J. P. (2024). *INVENTARISASI LALAT BUAH (Bactrocera spp.) DI KEBUN SALAK PONDOH (Salacca zalacca Reinw cv pondoh) DESA RUMAH LENGU KECAMATAN SINEMBAH TANJUNG MUDA HULU KABUPATEN DELI SERDANG* [Universitas Medan Area]. <https://repositori.uma.ac.id/jspui/bitstream/123456789/26413/1/198210013%20-%20Jan%20Priagus%20Sinaga%20Fulltext.pdf>
- [21] Mishra, R. K., Reddy, G. Y. S., & Pathak, H. (2021). The Understanding of Deep Learning: A Comprehensive Review. *Mathematical Problems in Engineering*, 2021, 1–15. <https://doi.org/10.1155/2021/5548884>

- [22] Mathew, A., Amudha, P., & Sivakumari, S. (2020). Deep Learning Techniques: An Overview. In *Advances in intelligent systems and computing* (pp. 599–608). https://doi.org/10.1007/978-981-15-3383-9_54
- [23] Purwono, P., Ma'arif, A., Rahmaniar, W., Fathurrahman, H. I. K., Frisky, A. Z. K., & Haq, Q. M. U. (2023). Understanding of Convolutional Neural Network (CNN): a review. *International Journal of Robotics and Control Systems*, 2(4), 739–748. <https://doi.org/10.31763/ijrcs.v2i4.888>
- [24] Alhardi, A., & Afeef, M. A. (2024). *Object Detection Algorithms & Techniques*. International Conference on Innovative Academic Studies. https://www.researchgate.net/publication/379120594_Object_Detection_Algorithms_Techniques
- [25] Barbedo, J. G. A. (2012). A review on methods for automatic counting of objects in digital images. *IEEE Latin America Transactions*, 10(5), 2112–2124. <https://doi.org/10.1109/tla.2012.6362356>
- [26] Ultralytics. (2025a, November 16). *Ultralytics YOLOV5 Architecture*. Ultralytics YOLO Docs. https://docs.ultralytics.com/yolov5/tutorials/architecture_description/
- [27] Li, K., Zhu, J., & Li, N. (2021). Insect detection and counting based on YOLOV3 model. *2021 IEEE 4th International Conference on Electronics Technology (ICET)*, 1229–1233. <https://doi.org/10.1109/icet51757.2021.9450898>
- [28] Woo, S., Park, J., Lee, J., & Kweon, I. S. (2018). CBAM: Convolutional Block Attention Module. *arXiv (Cornell University)*. <https://doi.org/10.48550/arxiv.1807.06521>

- [29] Survei MySalak: Uji Validasi Pembaruan Fitur Deteksi dan Hitung Lalat Buah Otomatis
<https://drive.google.com/file/d/150xb81MJwlSF0tvv6vmA3-NkI2xor00l/view?usp=sharing>



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