

## DAFTAR PUSTAKA

- Alauddin, M., Mahmudy, W., & Abadi, A. (2019). Extreme Learning Machine Weight Optimization using Particle Swarm Optimization to Identify Sugar Cane Disease. *Journal of Information Technology and Computer Science*. <https://doi.org/10.25126/jitecs.201942116>
- Bavi, M., Ziaee, M., Kocheili, F., & Sohrabi, F. (2022). The Effect of Two Sugarcane By-Products, and a Commercial Formulation, Bino2, Against Sugarcane Yellow Mite. *Sugar Tech*, 25, 717–726. <https://doi.org/10.1007/s12355-022-01229-w>
- Cai, G. (2024). Advanced Image Classification Using Convolutional Neural Networks. *Science and Technology of Engineering, Chemistry and Environmental Protection*. <https://doi.org/10.61173/117trk02>
- Chegeni, M., Rashno, A., & Fadaei, S. (2022). Convolution-layer parameters optimization in Convolutional Neural Networks. *Knowledge-Based Systems*, 261, 110210. <https://doi.org/10.1016/j.knosys.2022.110210>
- Direktorat Jenderal Perkebunan. (2023). *Laporan kinerja Direktorat Tanaman Semusim dan Tahunan tahun 2023 (LAKIN DIRAT TST 2023)*. Kementerian Pertanian Republik Indonesia.
- Chen, L., Li, S., Bai, Q., Yang, J., Jiang, S., & Miao, Y. (2021). Review of Image Classification Algorithms Based on Convolutional Neural Networks. *Remote Sensing*, 13(22), 4712. <https://doi.org/10.3390/rs13224712>
- Chicco, D., & Jurman, G. (2020). The advantages of the Matthews correlation coefficient (MCC) over F1 score and accuracy in binary classification evaluation. *BMC Genomics*, 21, Article 6. <https://doi.org/10.1186/s12864-019-6413-7>
- Daphal, S., & Koli, S. (2023). Enhancing sugarcane disease classification with ensemble deep learning: A comparative study with transfer learning techniques. *Heliyon*, 9. <https://doi.org/10.1016/j.heliyon.2023.e18261>
- Gonzalez, R. C., & Woods, R. E. (2018). *Digital Image Processing* (4th ed.). Pearson Education.
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press.
- He, K., Zhang, X., Ren, S., & Sun, J. (2016). Deep residual learning for image recognition. In *Proceedings of the IEEE Conference on CVPR*, 770–778. <https://doi.org/10.1109/CVPR.2016.90>
- Hong, L., Yu, X., Wang, B., Woodward, J., & Özcan, E. (2023). An improved ensemble particle swarm optimizer using niching behaviour and covariance matrix adapted retreat phase. *Swarm and Evolutionary Computation*, 78, 101278. <https://doi.org/10.1016/j.swevo.2023.101278>

- Ioffe, S., & Szegedy, C. (2015). Batch normalization: Accelerating deep network training by reducing internal covariate shift. *arXiv*. <https://doi.org/10.48550/arXiv.1502.03167>
- Jmour, N., Zayen, S., & Abdelkrim, A. (2018). Convolutional neural networks for image classification. *IC\_ASET 2018*, 397–402. <https://doi.org/10.1109/aset.2018.8379889>
- Kaur, T., & Gandhi, T. (2020). Deep convolutional neural networks with transfer learning for automated brain image classification. *Machine Vision and Applications*, 31. <https://doi.org/10.1007/s00138-020-01069-2>
- Kingma, D. P., & Ba, J. (2014). Adam: A method for stochastic optimization. *arXiv*. <https://doi.org/10.48550/arXiv.1412.6980>
- Krizhevsky, A., Sutskever, I., & Hinton, G. (2012). ImageNet classification with deep convolutional neural networks. *Communications of the ACM*, 60, 84–90. <https://doi.org/10.1145/3065386>
- Liu, H., Zhang, X., & Tu, L. (2020). A modified particle swarm optimization using adaptive strategy. *Expert Systems with Applications*, 152, 113353. <https://doi.org/10.1016/j.eswa.2020.113353>
- Lohmaneeratana, K., Leetanasaksakul, K., & Thamchaipenet, A. (2024). Transcriptomic Profiling of Sugarcane White Leaf Canes during Maturation Phase. *Plants*, 13. <https://doi.org/10.3390/plants13111551>
- Martinez, D. (2020). Is transfer learning the final step for enabling AI in aviation? <https://datascience.aero/transfer-learning-aviation/>
- Martins, M., De Souza, W., Da Cunha, B., Basso, M., De Oliveira, N., Vinecky, F., Martins, P., De Oliveira, P., Arenque-Musa, B., De Souza, A., Buckeridge, M., Kobayashi, A., Quirino, B., & Molinari, H. (2016). Characterization of sugarcane (*Saccharum* spp.) leaf senescence: implications for biofuel production. *Biotechnology for Biofuels*, 9. <https://doi.org/10.1186/s13068-016-0568-0>
- MathWorks. (2018). What Is a Convolutional Neural Network? <https://www.mathworks.com/discovery/convolutional-neural-network.html>
- Mattiello, L., Riaño-Pachón, D., Martins, M., Da Cruz, L., Bassi, D., Marchiori, P., Ribeiro, R., Labate, M., Labate, C., & Menossi, M. (2015). Physiological and transcriptional analyses of developmental stages along sugarcane leaf. *BMC Plant Biology*, 15. <https://doi.org/10.1186/s12870-015-0694-z>
- Mukunthan, N., Srikanth, J., Singaravelu, B., Asokan, S., Kurup, N., & Goud, Y. (2008). Assessment of woolly aphid impact on growth, yield and quality parameters of sugarcane. *Sugar Tech*, 10, 143–149. <https://doi.org/10.1007/s12355-008-0025-x>

- Nagpal, P., Bhinge, S., & Shitole, A. (2022). A Comparative Analysis of ResNet Architectures. *SMART GENCON 2022*, 1–8. <https://doi.org/10.1109/smartgencon56628.2022.10083966>
- Nickabadi, A., Ebadzadeh, M., & Safabakhsh, R. (2011). A novel particle swarm optimization algorithm with adaptive inertia weight. *Applied Soft Computing*, 11, 3658–3670. <https://doi.org/10.1016/j.asoc.2011.01.037>
- Perez, L., & Wang, J. (2017). The Effectiveness of Data Augmentation in Image Classification using Deep Learning. *arXiv*. <https://doi.org/10.48550/arXiv.1712.04621>
- Pfaff, H., & Chaikovska, V. (2020). Deep convolutional nets. Frankfurt University of Applied Sciences.
- Putra, J. W. G. (2020). *Pengenalan konsep pembelajaran mesin dan deep learning* (Edisi 1.4).
- Shikalgar, A., Jadhav, S., Surve, A., Bamane, S., & Kamble, A. (2024). Sugarcane Disease Dataset. *Mendeley Data*, V2. <https://doi.org/10.17632/7fbnxcbnhp.2>
- Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6, 60. <https://doi.org/10.1186/s40537-019-0197-0>
- Singh, C., Wibowo, S., & Grandhi, S. (2024). *A hybrid deep learning approach for cotton plant disease detection using BERT-ResNet-PSO*. SSRN. <https://doi.org/10.2139/ssrn.5113751>
- Stephen, A., Punitha, A., & Chandrasekar, A. (2022). Designing self attention-based ResNet architecture for rice leaf disease classification. *Neural Computing and Applications*, 35, 6737–6751. <https://doi.org/10.1007/s00521-022-07793-2>
- Sun, Y., Xue, B., Zhang, M., & Yen, G. (2017). Evolving Deep Convolutional Neural Networks for Image Classification. *IEEE TEC*, 24, 394–407. <https://doi.org/10.1109/tevc.2019.2916183>
- Tamilvizhi, T., Surendran, R., Anbazhagan, K., & Rajkumar, K. (2022). Quantum Behaved PSO-Based Deep Transfer Learning Model for Sugarcane Disease Classification. *Mathematical Problems in Engineering*. <https://doi.org/10.1155/2022/3452413>
- Thite, S., Suryawanshi, Y., Patil, K., & Chumchu, P. (2024). Sugarcane leaf dataset for disease detection and classification. *Data in Brief*, 53. <https://doi.org/10.1016/j.dib.2024.110268>
- Tian, D., & Shi, Z. (2018). MPSO: Modified particle swarm optimization and its applications. *Swarm and Evolutionary Computation*, 41, 49–68. <https://doi.org/10.1016/j.swevo.2018.01.011>

- Wu, W., Wang, G., Wang, H., Zhu, L., Liang, Y., Gbokie, T., Lu, Y., Huang, X., He, C., Qin, J., & Yi, K. (2024). *Development and evaluation of a LAMP assay for detection of Puccinia melanocephala in sugarcane*. *Agronomy*. <https://doi.org/10.3390/agronomy14061096>
- Zhao, X., Wang, L., Zhang, Y., Han, X., Deveci, M., & Parmar, M. (2024). A review of convolutional neural networks in computer vision. *Artificial Intelligence Review*, 57, 99. <https://doi.org/10.1007/s10462-024-10721-6>
- Zheng, Y., Ling, H., & Guan, Q. (2012). Adaptive Parameters for a Modified Comprehensive Learning Particle Swarm Optimizer. *Mathematical Problems in Engineering*, 2012, 1–11. <https://doi.org/10.1155/2012/207318>