

DAFTAR PUSTAKA

- Aabidi, M. H., El Makrani, A., Jabir, B., & Zaimi, I. (2023). A Model Proposal for Enhancing Leaf Disease Detection Using Convolutional Neural Networks (CNN): Case Study. *International Journal of Online and Biomedical Engineering (IJOE)*, 19(12), 127–143. <https://doi.org/10.3991/ijoe.v19i12.40329>
- Akhtar, A., Bakhtawar, B., & Akhtar, S. (2022). Extreme Programming vs Scrum: A Comparison of Agile Models. *International Journal of Technology, Innovation and Management (IJTIM)*, 2(2), 80–96. <https://journals.gaftim.com/index.php/ijtim/article/view/77>
- Albawi, S., Mohammed, T. A., & Al-Zawi, S. (2017). Understanding of a Convolutional Neural Network. *2017 International Conference on Engineering and Technology (ICET)*, 1–6. <https://doi.org/10.1109/ICEngTechnol.2017.8308186>
- Alrasyid, M. A., Rohmatulloh, B., Damayanti, R., Al-Riza, D. F., Hermanto, M. B., Sandra, & Hendrawan, Y. (2023). ResNet-50 to Classify the Types of Indonesian Local Coffee Beans. *AIP Conference Proceedings*, 2596(1), 50008. <https://doi.org/10.1063/5.0118826>
- Cao, Z., Sun, S., & Bao, X. (2025). A Review of *Computer vision and Deep learning Applications in Crop Growth Management*. *Applied Sciences*, 15(15). <https://doi.org/10.3390/app15158438>
- Chang, S. J., & Huang, C. Y. (2021). *Deep learning model for the inspection of coffee bean Defects*. *Applied Sciences (Switzerland)*, 11(17). <https://doi.org/10.3390/app11178226>
- Febriana, A., Kuala, U. S., Aceh, B., Muchtar, K., Kuala, U. S., Aceh, B., Lin, C., & City, T. (n.d.). *USK-COFFEE Dataset : A Multi-Class Green Arabica Coffee Bean Dataset for Deep learning*. 1–5.
- Ferguson, M., Ak, R., Lee, Y. T. T., & Law, K. H. (2018). Detection and segmentation of manufacturing *Defects* with convolutional neural networks and *transfer learning*. *Smart and Sustainable Manufacturing Systems*, 2(1), 137–164. <https://doi.org/10.1520/SSMS20180033>
- Gonzalez, R. C., & Woods, R. E. (2018). Digital Image Processing (4th ed). In *Pearson Education*.
- Gupta, J., Pathak, S., & Kumar, G. (2022). *Deep learning (CNN) and Transfer learning: A Review*. *Journal of Physics: Conference Series*, 2273(1), 12029. <https://doi.org/10.1088/1742-6596/2273/1/012029>
- Hu, J. (2018). *Squeeze-and-Excitation_Networks_CVPR_2018_paper.pdf*. *Cvpr*, 7132–7141. http://openaccess.thecvf.com/content_cvpr_2018/html/Hu_Squeeze-and-Excitation_Networks_CVPR_2018_paper.html
- Kementerian Pertanian. (2023). Analisis Kinerja Perdagangan Kopi. *Analisis Kinerja Perdagangan Kopi*, 1–55.

- Ligar, B. W. (2023a). Review Identifikasi dan Klasifikasikan Biji Kopi Menggunakan *Computer vision*. *Jurnal Sistem Dan Teknologi Informasi (JustIN)*, 11(2), 243. <https://doi.org/10.26418/justin.v11i2.54925>
- Ligar, B. W. (2023b). Review Identifikasi dan Klasifikasikan Biji Kopi Menggunakan *Computer vision*. *Computer vision for Identifying and Classifying Coffee Beans : A Review*. 11(2), 243–249. <https://doi.org/10.26418/justin.v11i2.54925>
- Nafiiyah, N., & Budi, A. S. (2025). *Coffee Bean Quality Classification Using the ResNet50 Convolutional Neural Network Model*. 4(2), 276–287.
- Nurfauzi, A. H., Azhar, Y., & Chandranegara, D. R. (2023). Penerapan Model EfficientNetV2-B0 pada Benchmark IP102 Dataset untuk Menyelesaikan Masalah Klasifikasi Hama Serangga. *Repositor*, 5(3), 805–814.
- Pan, S. J., & Yang, Q. (2010). A Survey on *Transfer learning*. *IEEE Transactions on Knowledge and Data Engineering*, 22(10), 1345–1359. <https://doi.org/10.1109/TKDE.2009.191>
- Parongko, W., & Michael, A. (n.d.). Penerapan Ensemble CNN untuk Klasifikasi Biji Kopi: *ResNet50, Inception V3, dan EfficientNet B7 Implementation of Ensemble CNN for Coffee Bean Classification: ResNet50, Inception V3, and EfficientNet B7*.
- Pratama, G. A., Puspaningrum, E. Y., Maulana, H., Pembangunan, U., Veteran, N., Timur, J., & Anyar, G. (2024). *Convolutional Neural Network Dan Faster Region Convolutional Neural Network*. 12(3), 2776–2785.
- Sandler, M., Howard, A., Zhu, M., Zhmoginov, A., & Chen, L. C. (2018). MobileNetV2: Inverted Residuals and Linear Bottlenecks. *Proceedings of the IEEE Computer Society Conference on Computer vision and Pattern Recognition*, 4510–4520. <https://doi.org/10.1109/CVPR.2018.00474>
- Syaputra, M. R., & Rahardi, M. (2025). *Comparative Analysis of EfficientNet-B0 and ViT-B16 for Multiclass Classification of Green Coffee Beans*. 9(6), 3763–3768.
- Tan, M., & Le, Q. V. (2019). EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks. *ArXiv Preprint ArXiv:1905.11946*. <https://arxiv.org/abs/1905.11946>
- Tan, M., & Le, Q. V. (2021). EfficientNetV2: Smaller Models and Faster Training. *Proceedings of Machine Learning Research*, 139, 10096–10106.
- Taye, M. M. (2023). Theoretical Understanding of Convolutional Neural Network: Concepts, Architectures, Applications, Future Directions. *Computation*, 11(3). <https://doi.org/10.3390/computation11030052>
- Torrey, L., & Shavlik, J. (2010). *Transfer learning*. In *Handbook of Research on Machine Learning Applications and Trends: Algorithms, Methods, and Techniques* (pp. 242–264). IGI Global. <https://doi.org/10.4018/978-1-60566-766-9.ch011>
- Vujović, Ž. (2021). Classification Model Evaluation Metrics. *International Journal of Advanced Computer Science and Applications*, 12(6), 599–606. <https://doi.org/10.14569/IJACSA.2021.0120670>

- Wang, P., Tseng, H. W., Chen, T. C., & Hsia, C. H. (2021). Deep convolutional neural network for coffee bean inspection. *Sensors and Materials*, 33(7), 2299–2310. <https://doi.org/10.18494/SAM.2021.3277>
- Xu, B., Wang, N., Chen, T., & Li, M. (2015). *Empirical Evaluation of Rectified Activations in Convolutional Network*. <http://arxiv.org/abs/1505.00853>
- Zhuang, F., Qi, Z., Duan, K., Xi, D., Zhu, Y., Zhu, H., Xiong, H., & He, Q. (2019). A Comprehensive Survey on *Transfer learning*. *ArXiv Preprint ArXiv:1911.02685*. <https://arxiv.org/abs/1911.02685>
- Zoph, B., & Le, Q. V. (2018). Searching for activation functions. *6th International Conference on Learning Representations, ICLR 2018 - Workshop Track Proceedings*, (1), 1–12.