

DAFTAR PUSTAKA

- Ahmadova, A., Huseynov, I., Ibrahimov, Y., 2023. Improving Pneumonia Diagnosis with RadImageNet: A Deep Transfer Learning Approach.
- Burri, S.R., Ahuja, S., Kumar, A., Baliyan, A., 2023. Exploring the Effectiveness of Optimized Convolutional Neural Network in Transfer Learning for Image Classification: A Practical Approach. In: 2023 International Conference on Advancement in Computation and Computer Technologies, InCACCT 2023. Institute of Electrical and Electronics Engineers Inc., pp. 598–602.
- Chauhan, S., 2025. Deep Learning-Based Skin type Classification using Fine-Tuned ResNet50 Architecture. In: Proceedings of the 3rd International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics, IITCEE 2025. Institute of Electrical and Electronics Engineers Inc.
- Chuquimarca, L.E., Vintimilla, B.X., Velastin, S.A., 2023. Banana Ripeness Level Classification Using a Simple CNN Model Trained with Real and Synthetic Datasets. In: Proceedings of the International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. Science and Technology Publications, Ltd, pp. 536–543.
- FAO, 2022. Banana Market Review Preliminary Results 2021.
- Galety, M.G., Mukhtar, F.H. Al, Maarof, R.J., Rofoo, F., 2021. Deep Neural Network Concepts for Classification using Convolutional Neural Network: A Systematic Review and Evaluation.
- Ge, Y., From, P.J., Xiong, Y., 2024. Multi-view gripper internal sensing for the regression of strawberry ripeness using a mini-convolutional neural network for robotic harvesting. *Comput Electron Agric* 216.
- Ghuge, S., Rathore, H., Ghayal, G., Ghorpade, S., Mangate, L., 2023. Smart segregation system for fruit ripeness. In: E3S Web of Conferences. EDP Sciences.
- Ginting, Y.N., Abdillah, J., Sarimole, F.M., 2023. Rancang Bangun Alat Sortir Jeruk Medan Berdasarkan Luas Lingkaran Berbasis Mikrokontroler ATmega2560. *Sistem Komputer dan Teknologi Intelektual Artifisial (SIKOMTIA)* 1, 192–198.
- Gomes, R., Kamrowski, C., Langlois, J., Rozario, P., Dircks, I., Grottoeden, K., Martinez, M., Tee, W.Z., Sargeant, K., LaFleur, C., Haley, M., 2022. A Comprehensive Review of Machine Learning Used to Combat COVID-19. *Diagnostics*.

- Hasnain, M., Pasha, M.F., Ghani, I., Imran, M., Alzahrani, M.Y., Budiarto, R., 2020. Evaluating Trust Prediction and Confusion Matrix Measures for Web Services Ranking. *IEEE Access* 8, 90847–90861.
- He, K., Zhang, X., Ren, S., Sun, J., 2015. Deep Residual Learning for Image Recognition.
- Huang, Y.Y., Wang, W.Y., 2017. Deep Residual Learning for Weakly-Supervised Relation Extraction.
- Ji, Q., Huang, J., He, W., Sun, Y., 2019. Optimized deep convolutional neural networks for identification of macular diseases from optical coherence tomography images. *Algorithms* 12.
- Junior, F.A., Suharjito, 2023. Video based oil palm ripeness detection model using deep learning. *Heliyon* 9.
- Kaur, A., Kukreja, V., Kumar, M., Choudhary, A., Sharma, R., 2024. A Fine-tuned Deep Learning-based VGG16 Model for Cotton Leaf Disease Classification. In: 2024 5th International Conference for Emerging Technology, INCET 2024. Institute of Electrical and Electronics Engineers Inc.
- Khandelwal, V., 2020. The Architecture and Implementation of VGG-16 | by Vaibhav Khandelwal | Towards AI [WWW Document]. URL <https://pub.towardsai.net/the-architecture-and-implementation-of-vgg-16-b050e5a5920b> (accessed 11.29.24).
- Kipli, K., Zen, H., Sawawi, M., Noor, M.S.M., Julai, N., Junaidi, N., Razali, M.I.S.M., Chin, K.L., Masra, S.M.W., 2018. 2018 International Conference on Computational Approach in Smart Systems Design and Applications (ICASSDA) : 15-17 Aug. 2018. IEEE.
- Liu, B., Malon, C., Xue, L., Kruus, E., 2021. Improving Neural Network Robustness through Neighborhood Preserving Layers.
- MacEachern, C.B., Esau, T.J., Schumann, A.W., Hennessy, P.J., Zaman, Q.U., 2023. Detection of fruit maturity stage and yield estimation in wild blueberry using deep learning convolutional neural networks. *Smart Agricultural Technology* 3.
- Mendoza, F., Aguilera, J.M., 2004. Application of image analysis for classification of ripening bananas. *J Food Sci* 69.
- Mishra, R., Goyal, S., Choudhury, T., Sarkar, T., 2022. Banana ripeness classification using transfer learning techniques. In: Proceedings of International Conference on Computing, Communication, Security and Intelligent Systems, IC3SIS 2022. Institute of Electrical and Electronics Engineers Inc.

- Mukherjee, H., Ghosh, S., Sen, S., Sk Md, O., Santosh, K.C., Phadikar, S., Roy, K., 2019. Deep learning for spoken language identification: Can we visualize speech signal patterns? *Neural Comput Appl* 31, 8483–8501.
- Nafi'Iyah, N., Wardhani, R., Prakasa, E., 2023. Identification of Banana Ripeness using Convolutional Neural Network Approaches. In: *Proceedings - 2023 10th International Conference on Computer, Control, Informatics and Its Applications: Exploring the Power of Data: Leveraging Information to Drive Digital Innovation, IC3INA 2023*. Institute of Electrical and Electronics Engineers Inc., pp. 330–335.
- Olisah, C.C., Trehwella, B., Li, B., Smith, M.L., Winstone, B., Whitfield, E.C., Fernández, F.F., Duncalfe, H., 2024. Convolutional neural network ensemble learning for hyperspectral imaging-based blackberry fruit ripeness detection in uncontrolled farm environment. *Eng Appl Artif Intell* 132.
- Pacal, I., Karaboga, D., Basturk, A., Akay, B., Nalbantoglu, U., 2020. A comprehensive review of deep learning in colon cancer. *Comput Biol Med*.
- Phoophuangpairroj, R., Ngoenrungrueang, T., Audomsin, S., 2023. Ripeness Classification of a Bunch of Bananas Using a CNN. In: *Proceeding - 2023 International Electrical Engineering Congress, IEECON 2023*. Institute of Electrical and Electronics Engineers Inc., pp. 180–183.
- Phung, V.H., Rhee, E.J., 2019. A High-accuracy model average ensemble of convolutional neural networks for classification of cloud image patches on small datasets. *Applied Sciences (Switzerland)* 9.
- Sabilla, I.A., Wahyuni, C.S., Fatichah, C., Herumurti, D., 2019. 2019 International Conference of Artificial Intelligence and Information Technology (ICAIIIT). IEEE.
- Samala, R.K., Chan, H.P., Hadjiiski, L.M., Helvie, M.A., Cha, K.H., Richter, C.D., 2017. Multi-task transfer learning deep convolutional neural network: Application to computer-aided diagnosis of breast cancer on mammograms. *Phys Med Biol* 62, 8894–8908.
- Saputro, A.H., Juansyah, S.D., Handayani, W., 2018. 2018 International Conference on Signals and Systems : proceedings : May 1-3, 2018, Prama Sanur Beach Hotel, Bali, Indonesia. IEEE.
- Saragih, R.E., Emanuel, A.W.R., 2021. Banana Ripeness Classification Based on Deep Learning using Convolutional Neural Network. In: *3rd 2021 East Indonesia Conference on Computer and Information Technology, EIConCIT 2021*. Institute of Electrical and Electronics Engineers Inc., pp. 85–89.

- Segarceanu, S., Suciu, G., 2022. Convolutional Neural Networks for Environmental Sound Recognition. In: Proceedings - RoEduNet IEEE International Conference. IEEE Computer Society.
- Septiarini, A., Hamdani, H., Hatta, H.R., Kasim, A.A., 2019a. Image-based processing for ripeness classification of oil palm fruit. IEEE.
- Septiarini, A., Hamdani, H., Hatta, H.R., Kasim, A.A., 2019b. Image-based processing for ripeness classification of oil palm fruit. IEEE.
- Shadin, N.S., Sanjana, S., Lisa, N.J., 2021. COVID-19 Diagnosis from Chest X-ray Images Using Convolutional Neural Network(CNN) and InceptionV3. In: 2021 International Conference on Information Technology, ICIT 2021 - Proceedings. Institute of Electrical and Electronics Engineers Inc., pp. 799–804.
- Sidehabi, S.W., Suyuti, A., Areni, I.S., Nurtanio, I., 2018. The development of machine vision system for sorting passion fruit using Multi-Class Support Vector Machine. Journal of Engineering Science and Technology Review 11, 178–184.
- Simonyan, K., Zisserman, A., 2014. Very Deep Convolutional Networks for Large-Scale Image Recognition.
- Steinbrener, J., Posch, K., Leitner, R., 2019. Hyperspectral fruit and vegetable classification using convolutional neural networks. Comput Electron Agric 162, 364–372.
- Sutama, V.A., Wibowo, S.A., Rahmania, R., 2020. Investigasi Pengaruh Step Training pada Metode Single Shot Multibox Detector untuk Marker dalam Teknologi Augmented Reality. Jurnal Ilmiah FIFO 12, 1.
- Szegedy, C., Vanhoucke, V., Ioffe, S., Shlens, J., Wojna, Z., 2016. Rethinking the Inception Architecture for Computer Vision. In: Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition. IEEE Computer Society, pp. 2818–2826.
- Upadhyay, N., Gupta, N., 2024. Diagnosis of fungi affected apple crop disease using improved ResNeXt deep learning model. Multimed Tools Appl 83, 64879–64898.
- Véstias, M.P., 2019. A survey of convolutional neural networks on edge with reconfigurable computing. Algorithms.
- Vrbančič, G., Zorman, M., Podgorelec, V., 2019. Transfer Learning Tuning Utilizing Grey Wolf Optimizer for Identification of Brain Hemorrhage from Head CT Images. In: StuCoSReC. Proceedings of the 2019 6th Student

- Computer Science Research Conference. University of Primorska Press, pp. 61–66.
- Wahyuni, E.S., Hendri, M., 2019. Smoke and Fire Detection Base on Convolutional Neural Network. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika* 7, 455.
- Wan, P., Toudeshki, A., Tan, H., Ehsani, R., 2018. A methodology for fresh tomato maturity detection using computer vision. *Comput Electron Agric* 146, 43–50.
- Wang, J., Fan, Y., Li, H., Yin, S., 2023. WeChat mini program for wheat diseases recognition based on VGG-16 convolutional neural network. *International Journal of Applied Science and Engineering* 20.
- Wang, Z., Ling, Y., Wang, Xuanli, Meng, D., Nie, L., An, G., Wang, Xuanhui, 2022. An improved Faster R-CNN model for multi-object tomato maturity detection in complex scenarios. *Ecol Inform* 72.
- Xiao, B., Nguyen, M., Yan, W.Q., 2023. Fruit ripeness identification using transformers. *Applied Intelligence* 53, 22488–22499.
- Xu, D., Zhao, H., Lawal, O.M., Lu, X., Ren, R., Zhang, S., 2023. An Automatic Jujube Fruit Detection and Ripeness Inspection Method in the Natural Environment. *Agronomy* 13.
- Yang, S., Wang, W., Gao, S., Deng, Z., 2023. Strawberry ripeness detection based on YOLOv8 algorithm fused with LW-Swin Transformer. *Comput Electron Agric* 215.
- Yu, C., Bi, X., Fan, Y., 2023. Deep learning for fluid velocity field estimation: A review. *Ocean Engineering*.
- Yusuf, A., Cahya Wihandika, R., Dewi, C., 2019. Klasifikasi Emosi Berdasarkan Ciri Wajah Menggunakan Convolutional Neural Network.
- Zhao, Z., Hicks, Y., Sun, X., Luo, C., 2023. Peach ripeness classification based on a new one-stage instance segmentation model. *Comput Electron Agric* 214.
- Zhuang, F., Qi, Z., Duan, K., Xi, D., Zhu, Y., Zhu, H., Xiong, H., He, Q., 2019. A Comprehensive Survey on Transfer Learning.