

DAFTAR PUSTAKA

- Abaca, A., Kiryowa, M., Awori, E., Andema, A., Dradiku, F., Moja, A.S., and Mukalazi, J. 2013. Cassava Pests and Diseases' Prevalence and Performance as Revealed by Adaptive Trial Sites in North Western Agro-Ecological Zone of Uganda. *Journal of Agricultural Science*, 6(1).
- Abhirawan, H., Jondri, and Arifianto, A. 2017. Pengenalan Wajah Menggunakan Convolutional Neural Networks (CNN). Universitas Telkom, 4(3), 4907–4916.
- Alatawi, A.A., Alomani S.M., Alhawiti N.I. and Ayaz M. 2022. Plant Disease Detection using AI based VGG-16 Model. *International Journal of Advanced Computer Science and Applications* (IJACSA), 13(4), 2022.
- Ano, C. U., Ochwo-Ssemakula, M., Ibanda, A., Ozimati, A., Gibson, P., Onyeka, J., Njoku, D., Egesi, C., and Kawuki, R. 2021. Cassava Brown Streak Disease Response and Association with Agronomic Traits in Elite Nigerian Cassava Cultivars. *Front Plant Sci*.
- Apuke, O. 2017. Quantitative Research Methods: A Synopsis Approach. *Arabian Journal of Business and Management Review (Kuwait Chapter)*, 6, 40–47.
- Asriny D.M. and Jayadi R. 2023. Transfer Learning VGG16 for Classification Orange Fruit Images, *Journal of System and Management Sciences*, 13(2), 206–217.
- Bendersky, E., 2016. The Softmax function and its derivative. [Online] Available at: <https://eli.thegreenplace.net/2016/thesoftmax-function-and-its-derivative/> [Diakses 5 Oktober 2023].
- Björkman, J. 2019. Evaluation of the Effects of Different Preprocessing Methods on OCR Results from Images with Varying Quality (Dissertation).
- Deng, L., and Yu, D. 2014. Deep Learning: Methods and Application, Foundations and Trends in Signal Processing.
- Dighe, P., and Guru, S.K. 2014. Survey on Image Resizing Techniques.
- Evan Tanuwijaya, A.R., 2021. Modifikasi Arsitektur VGG16 untuk Klasifikasi Citra Digital Rempah-Rempah Indonesia. *Matrik: Jurnal Manajemen, Teknik Informatika, dan Rekayasa Komputer*, 21.
- Feng, J. and Lu, S. 2019. Performance Analysis of Various Activation Functions in Artificial Neural Networks. *Journal of Physics: Conference Series*. 1237, 022030.
- Ferentinos, K.P. 2018. Deep Learning Models for Plant Disease Detection and Diagnosis. *Computers and Electronics in Agriculture*, 145, 311-318.
- Gardjito, Murdijati, Anton Djuwardi and Eni Harmayani. 2013. Pangan Nusantara Karakteristik dan Prospek untuk Percepatan Diversifikasi Pangan. Jakarta: Kencana Media Group.
- Indolia S., Gosmawi A. K., Mishra S. P., and Asopa P. 2018. Conceptual Understanding of Convolutional Neural Network- A Deep Learning Approach. *Procedia Computer Science*, 132, 679–688.

- Jaya, T.S. 2018. Pengujian Aplikasi dengan Metode Blackbox Testing Boundary Value Analysis (Studi Kasus: Kantor Digital Politeknik Negeri Lampung). *Jurnal Informatika*, Volume 3.
- Kingma, D. P. and Ba, J. 2017. Adam: A Method for Stochastic Optimization, arXiv, 1412, 6980.
- Kwabena Patrick, M., Felix Adekoya, A., Abra Mighty, A., and Edward, B. Y. 2019. Capsule Networks – A survey. *Journal of King Saud University - Computer and Information Sciences*.
- Lin M., Chen Q., Yan S. 2014. Network In Network.
- Mahlein, A.K. 2016. Plant Disease Detection by Imaging Sensors - Parallels and Specific Demands for Precision Agriculture and Plant Phenotyping. *Plant Dis*, 100(2), 241-251.
- Maulana, F. and Rochmawati N. 2020. Klasifikasi Citra Buah Menggunakan Convolutional Neural Network. *Journal of Informatics and Computer Science (JINACS)*, 1.
- Milanfar, H. T. A. P., 2021. Learning to Resize Images for Computer Vision Tasks. *International Conference on Computer Vision (ICCV)*.
- Mousavi, S. and Farahani, G. 2022. A Novel Enhanced VGG16 Model to Tackle Grapevine Leaves Diseases with Automatic Method. *IEEE Access*, 10, 111564-111578.
- Mwebaze, E., Gebru, T., Frome, A., Nsumba, S., and Jeremy, T.F. 2019. iCassava 2019 Fine-Grained Visual Categorization Challenge.
- Nurfita, R. D. and A. G. 2018. Implementasi Deep Learning Berbasis Tensorflow Untuk Pengenalan Sidik Jari. *Jurnal Teknik Elektro*.
- Nwankpa, C. E. 2020. Advances in Optimisation Algorithms and Techniques for Deep Learning. 5(5), 16.
- Pardede, J., Benhard Sitohang, S. A. and Khodra, M. L. 2021. Implementation of Transfer Learning Using VGG16 on Fruit Ripeness Detection. *Modern Education and Computer Science (MECS)*.
- Ramcharan, A., Baranowski, K., McCloskey, P., Ahmed B., Legg J. and Hughes D P. 2017. Deep learning for image-based cassava disease detection, *Front. Plant Sci*, 8, 1852.
- Rismiyati and Luthfiarta, A. 2021. VGG16 Transfer Learning Architecture for Salak Fruit Quality Classification. *Telematika: Jurnal Informatika dan Teknologi Informasi*.
- Ruder, Sebastian. 2018. An overview of gradient descent optimization algorithms.
- Shorten, C., and Khoshgoftaar, T. M. 2019. A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6(1).
- Simonyan, K., and Zisserman, A. 2015. Very deep convolutional networks for large-scale image recognition. *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, 1–14.
- Sujatha, R., Chatterjee J.M., Jhanjhi N.Z. and Brohi, S.N. 2021. Performance of deep learning vs machine learning in plant leaf disease detection. *Microprocessors and Microsystems*, 80, 103615.

- Surya R. and Gautama E., 2020. Cassava Leaf Disease Detection Using Convolutional Neural Networks. *6th International Conference on Science in Information Technology (ICSITech)*, 97-102.
- Sutoyo, T., Mulyanto, E., Suhartono, V., Nurhayanti, D. and Wijanarto. 2009. Pengolahan Citra Digital, Penerbit Andi.
- Swasono, D. I., Tjandrasa, H. and Fathicah C. 2019. Classification of Tobacco Leaf Pests Using VGG16 Transfer Learning. *12th International Conference on Information & Communication Technology and System (ICTS)*, 176-181.
- Tamma, S. 2019. transfer learning using VGG-16 with Deep Convolutional Neural Network for Classifying Images. *International Journal of Scientific and Research Publications*, Volume 9.
- Tang, Z., Yang, J., Li, Z., & Qi, F. 2020. Grape disease image classification based on lightweight convolution neural networks and channel wise attention. *Computers and Electronics in Agriculture*, 178, 105735.
- Tomlinson, K.R., Bailey, A.M., Alicai, T., Seal, S., and Foster, G.D. 2017. Cassava brown streak disease: historical timeline, current knowledge and future prospects. *Molecular Plant Pathology*, 19(5), 1282–1294.
- Vishal Y. 2022. Loss Functions and Their Use In Neural Networks. [Online] Available at: <https://towardsdatascience.com/loss-functions-and-their-use-in-neural-networks-a470e703f1e9> [Diakses 5 Oktober 2023].
- Xin, R., Zhang, J. and Shao, Y., 2020. Complex network classification with convolutional neural network. *Tsinghua Science and Technology*, 25(4), 447-457.
- Yin, Y., Wang, X., Zhang, J., and Wan, J. 2015. Cross-domain Recommendation by Combining Feature Tags with Transfer Learning. *International Journal of u - and e - Service, Science and Technology*, NADIA, 8(10), 53-64.
- Yu, Y., Lin, H., Meng, J., Wei, X., Guo, H., and Zhao, Z. 2017. Deep Transfer Learning for Modality Classification of Medical Images. *Information*, 8(3), 91.
- Zhou, Z., Shin, J., Zhang, L., Gurudu S., Gotway M. and Liang J. 2017. Fine-Tuning Convolutional Neural Networks for Biomedical Image Analysis: Actively and Incrementally, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 4761-4772.
- Zufar, M. 2016. Convolutional Neural Networks untuk Pengenalan Wajah Secara Real - Time. 5(2), 72–77.