

## DAFTAR PUSTAKA

- Ali, Maimunah Mohd, et al. "Non-destructive techniques of detecting plant diseases: A review." *Physiological and Molecular Plant Pathology* 108 (2019): 101426.
- Baldi, Pierre, and Peter J. Sadowski. "Understanding dropout." *Advances in neural information processing systems* 26 (2013).
- Boonsirisumpun, N., & Puarungroj, W. (2018, July). Loei fabric weaving pattern recognition using deep neural network. In 2018 15th International joint conference on computer science and software engineering (JCSSE) (pp. 1-6). IEEE.
- Cahyani, D. A., & Suhastyo, A. A. 2020. Penambahan Bahan Perendam Terhadap Kandungan Vitamin C Serbuk Cabai. *Agrosains*, 6(2), 50-55.
- Chen, W., Sun, W., & Wang, J. (2018). A Novel AdaBoost and CNN Base for Vehicle Classification. *IEEE Access*, 60445-60455.
- Data, D. (2018). Implementasi Deep Learning Sederhana Menggunakan Keras. from Medium: <https://medium.com/@danau.data/implementasi-deep-learning-sederhanamenggunakan-keras-3f5726f007e>. Diakses pada 20 januari 2023.
- Djarwaningsih, T. 2005. review: *Capsicum spp.* (Cabai): Asal, Persebaran dan Nilai Ekonomi. *Biodiversitas*. 6 (4):292-296.
- Dzaky, A. T. R., & Al Maki, W. F. (2021). Deteksi Penyakit Tanaman Cabai Menggunakan Metode Convolutional Neural Network. *eProceedings of Engineering*, 8(2).
- Gholamalinezhad, H., & Khosravi, H. (2020). Pooling methods in deep neural networks, a review. *arXiv preprint arXiv:2009.07485*.
- Imam. (2018). Memahami Epoch Batch Size dan Iteration. from Imam Digmi: <https://imam.digmi.id/post/memahami-epoch?batch-size-dan-iteration/>. Diakses pada 19 januari 2023.
- Indrawan, G. T., Nilogiri, A., & Al Faruq, H. A. (2022). Diagnosis COVID-19 Berdasarkan Citra X-ray Paru-Paru Menggunakan Metode Convolutional Neural Network. *Jurnal Smart Teknologi*, 3(4), 340-349.

- Izzati, F. (2018): Capsaicinoids dari Capsicum spp dan Penggunaannya sebagai Riot Control Agent, *BioTrends*, 9(2).
- Jatmika, S., & Purnamasari, D. (2014). Rancang Bangun Alat Pendeteksi Kematangan Buah Apel Dengan Menggunakan Metode Image Processing Berdasarkan Komposisi Warna. *Jurnal Ilmiah Teknologi Informasi Asia*, 8(1), 51-58.
- Kusnandar, Viva B, 2022. Konsumsi Cabai Merah Meningkat 9,94% pada 2021. <https://databoks.katadata.co.id/datapublish/2022/10/26/konsumsi-cabai-merah-meningkat-994-pada-2021>. Diakses pada 14 januari 2023
- Kentsommer, 2017. Keras Inception-V4. <https://github.com/kentsommer/keras-inceptionV4>. Diakses pada tanggal 18 januari 2023
- LeCun, Y., Bottou, L., Bengio, Y., & Haffner, P. (1998). Gradient-based learning applied to document recognition. *Proceedings of the IEEE*, 86(11), 2278-2324.
- Li, Zhuoxin, et al. "Improved AlexNet with Inception-V4 for Plant Disease Diagnosis." *Computational Intelligence & Neuroscience* (2022).
- Ludwig, J. (2013). Image Convolution. portland: Portland State University. from [http://web.pdx.edu/~jduh/courses/Archive/geog481w07/Students/Ludwig\\_](http://web.pdx.edu/~jduh/courses/Archive/geog481w07/Students/Ludwig_). Diakses pada 19 januari 2023.
- M. Karuna, B. S Varsha, Sneha. R. M, G. K. Meghana. (2019). Early Detection of Chili Plant Leaf Diseases using Machine Learning. [https://ijesc.org/upload/128a75fe4e09dafcb201113f5c7b9f68.Early%20Detection%20of%20Chili%20Plant%20Leaf%20Diseases%20using%20Machine%20Learning%20\(1\).pdf](https://ijesc.org/upload/128a75fe4e09dafcb201113f5c7b9f68.Early%20Detection%20of%20Chili%20Plant%20Leaf%20Diseases%20using%20Machine%20Learning%20(1).pdf)
- Maggiore, E., Tarabalka, Y., Charpiat, G., and Alliez, P. (2017) "Convolutional neural networks for large-scale remote sensing image classification." *IEEE Transactions on Geoscience and Remote Sensing* 55 (2): 645-657.
- Mokhtar, Usama, et al. "SVM-based detection of tomato leaves diseases." *Intelligent Systems' 2014: Proceedings of the 7th IEEE International Conference Intelligent Systems IS'2014, September 24-26, 2014, Warsaw*,

- Poland, Volume 2: Tools, Architectures, Systems, Applications. Springer International Publishing, 2015.
- Muliana, Vina A. 2017. 8 Negara Produsen Cabai Terbesar di Dunia, RI Termasuk?.<https://www.liputan6.com/bisnis/read/2819761/8-negara-produsen-cabai-terbesar-di-dunia-ri-termasuk>. Diakses pada 8 januari 2023.
- Nidhra, S., & Dondeti, J. (2012). Black box and white box testing techniques-a literature review. *International Journal of Embedded Systems and Applications (IJESA)*, 2(2), 29-50.
- Nielsen, M. (2015). *Neural Networks and Deep Learning*. Determination Press. <https://static.latexstudio.net/article/2018/0912/neuralnetworksanddeeplearning.pdf>
- Novriansyah, D. (2017). Implementasi Robot Pelontar Cakram Berbasis Webcam Sebagai Pendeteksi Objek Secara Semi Otomatis.
- Paradistia, E. R. (2019). Pengenalan Convolutional Neural Network., from Medium:<https://medium.com/@paradistia/pengenalan-convolutional-neural-network-e708b6d29838>. Diakses pada 19 januari 2023.
- Peltarion. (2018). Categorical Classentropy. <https://peltarion.com/knowledge-center/documentation/modeling-view/build-an-ai-model/loss-functions/categorical-crossentrop>. Diakses pada 27 januari 2023
- Perez, L., & Wang, J. (2017). The effectiveness of data augmentation in image classification using deep learning. arXiv preprint arXiv:1712.04621.
- Prijono, B. (2018). Student notes: convolutional neural networks (CNN) introduction-belajar pembelajaran mesin Indonesia. Retrieved from Belajar Pembelajaran mesin. from : <https://indoml.com/2018/03/07/student-notes-convolutional-neural-networks-cnn-introduction>.
- Radiuk, P. M. (2017). Impact of training set batch size on the performance of convolutional neural networks for diverse datasets. *Information Technology and Management Science*, 20(1), 20-24.
- Saha, Sumit, 2018. "A Comprehensive Guide to Convolutional Neural Networks — the ELI5 way". from Medium : <https://towardsdatascience.com/a->

comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53.

Santosa, B., & Umam, A. (2018). *Data Mining dan Big Data Analytics*. Yogyakarta: Penebar Media Pustaka.

Scienceagri.com, 2021. The 10 World's Largest Countries Of Chili Production, <https://scienceagri.com/the-10-worlds-largest-countries-of-chili-production/>. Diakses pada 13 januari 2023.

Setiawan, M. (2018). *Klasifikasi Penyakit pada citra daun menggunakan convolutional neural network*. Bogor: IPB.

Sofia, N. (2018). *Convolutional Neural Network*. from Medium. Diakses pada 27 januari 2023

Szegedy, C., Liu, W., Jia, Y., Sermanet, P., Reed, S., Anguelov, D., . . . Rabinovich, A. (2015). Going deeper with convolutions. *Proceedings of the IEEE conference on computer vision and pattern recognition*, 1-12.

Szegedy, C., Vanhoucke, V., Ioffe, S., & Shlens, J. (2016). Rethinking the Inception Architecture for Computer Vision. *IEEE conference on Computer Vision and Pattern Recognition (CVPR)*., 2818-2826.

Wahid, M. Islahfari, S.A. Mustamin, and A. Lawi. "Identifikasi Dan Klasifikasi Citra Penyakit Daun Tomat Menggunakan Arsitektur Inception V4", *Proceeding KONIK (Konferensi Nasional Ilmu Komputer)*, vol. 5, hal. 257-264, 2021.

Yegulalp, S. (2019). What is TensorFlow? The machine learning library explained. <https://www.infoworld.com/article/3278008/what-is-tensorflow-the-machine-learning-library-explained.htm>. Diakses pada 25 januari 2023.

Zhang, Qian, et al. "An Image Splicing and Copy-Move Detection Method Based on Convolutional Neural Networks with Global Average Pooling." *Image and Graphics: 10th International Conference, ICIG 2019, Beijing, China, August 23–25, 2019, Proceedings, Part III 10*. Springer International Publishing, 2019.