

DAFTAR PUSTAKA

- Afif, H. A. (2020). *Membuat klasifikasi gambar(images), Menggunakan Keras-Tensorflow (tf).*
- Anand, G., & Kumawat, A. K. (2021). Object detection and position tracking in real time using Raspberry Pi. *Materials Today: Proceedings*, 47(xxxx), 3221–3226. <https://doi.org/10.1016/j.matpr.2021.06.437>
- Bongiovanni, R. (2004). *Precision Agriculture and Sustainability*. 5(October 2004). <https://doi.org/10.1023/B>
- Chai, T., & Draxler, R. R. (2014). Root mean square error (RMSE) or mean absolute error (MAE)? -Arguments against avoiding RMSE in the literature. *Geoscientific Model Development*, 7(3), 1247–1250. <https://doi.org/10.5194/gmd-7-1247-2014>
- Chen, H., Wang, Y., Guo, T., Xu, C., Deng, Y., Liu, Z., Ma, S., Xu, C., Xu, C., & Gao, W. (2021). Pre-trained image processing transformer. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 12294–12305. <https://doi.org/10.1109/CVPR46437.2021.01212>
- Cho, K., van Merriënboer, B., Bahdanau, D., & Bengio, Y. (2014). On the properties of neural machine translation: Encoder–decoder approaches. *Proceedings of SSST 2014 - 8th Workshop on Syntax, Semantics and Structure in Statistical Translation*, 103–111. <https://doi.org/10.3115/v1/w14-4012>
- Dompeipen, T. A., & Sompie, S. R. U. . (2020). Penerapan computer vision untuk pendeteksian dan penghitung jumlah manusia. *Jurnal Teknik Informatika*, 15(4), 1–12.
- F., M. Y., Yuwono, B., & P., D. B. (2022). *Dasar Pengolahan Citra Digital*. 112.
- Fadillah, R. Z., Irawan, A., Susanty, M., & Artikel, I. (2021). Data Augmentasi Untuk Mengatasi Keterbatasan Data Pada Model Penerjemah Bahasa Isyarat

- Indonesia (BISINDO). *Jurnal Informatika*, 8(2), 208–214.
<https://ejournal.bsi.ac.id/ejurnal/index.php/ji/article/view/10768>
- FAO, F. and A. O. (2020). *FAOSTAT*.
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press.
<http://www.deeplearningbook.org>
- Haykin, S. (2009). *Neural Networks and Learning Machines Third Edition* (Vol. 1–3). <https://doi.org/10.1016/B978-0-12-809633-8.20339-7>
- Hevner, A. R., March, S. T., Park, J., Ram, S., SalMarch, U., & Jinsoo Park, O. (2004). Design Science in Information Systems Research. *Source: MIS Quarterly*, 28(1), 75–105.
- Heydarian, M., Doyle, T. E., & Samavi, R. (2022). MLCM: Multi-Label Confusion Matrix. *IEEE Access*, 10, 19083–19095.
<https://doi.org/10.1109/ACCESS.2022.3151048>
- Huynh Thai, H., Silhavy, P., Fajkus, M., Prokopova, Z., & Silhavy, R. (2022). Propose-Specific Information Related to Prediction Level at x and Mean Magnitude of Relative Error: A Case Study of Software Effort Estimation. *Mathematics*, 10(24). <https://doi.org/10.3390/math10244649>
- Iftikhar, M., Kandhro, I. A., Kausar, N., Kehar, A., Uddin, M., & Dandoush, A. (2024). Plant disease management: a fine-tuned enhanced CNN approach with mobile app integration for early detection and classification. *Artificial Intelligence Review*, 57(7), 167. <https://doi.org/10.1007/s10462-024-10809-z>
- Keith, J. (2003). Web designers. In *Highways* (Vol. 72, Nomor 10). <https://doi.org/10.12968/eyed.2021.23.2.s12>
- Khalid, M. M., & Karan, O. (2023). Deep Learning for Plant Disease Detection. *International Journal of Mathematics, Statistics, and Computer Science*, 2, 75–84. <https://doi.org/10.59543/ijmscs.v2i.8343>
- Krizhevsky, A., Sutskever, I., & Hinton, G. E. (2011). ImageNet Classification

- with Deep Convolutional Neural Networks. *Encyclopedia of Movement Disorders, Three-Volume Set*, V2-257-V2-259. <https://doi.org/10.1016/B978-0-12-374105-9.00493-7>
- Lecun, Y., Bengio, Y., & Hinton, G. (2015). Deep learning. *Nature*, 521(7553), 436–444. <https://doi.org/10.1038/nature14539>
- Lee, C.-K., Yiu, T. W., & Cheung, S. O. (2018). *A macro-micro framework of ADR use in the Malaysian construction industry*. <https://api.semanticscholar.org/CorpusID:168990258>
- M S, H., Sharma, N., Yerrameni, S., Santoshini, C., Durga, R. S., & Akhila, V. (2021). Plant disease prediction using convolutional neural network. *EMITTER International Journal of Engineering Technology*, 9(2), 283–293. <https://doi.org/10.24003/emitter.v9i2.640>
- Madry, A., Makelov, A., Schmidt, L., Tsipras, D., & Vladu, A. (2018). Towards deep learning models resistant to adversarial attacks. *6th International Conference on Learning Representations, ICLR 2018 - Conference Track Proceedings*, 1–28.
- McDowell, N. G., Sapes, G., Pivovarov, A., Adams, H. D., Allen, C. D., Anderegg, W. R. L., Arend, M., Breshears, D. D., Brodribb, T., Choat, B., Cochard, H., De Cáceres, M., De Kauwe, M. G., Grossiord, C., Hammond, W. M., Hartmann, H., Hoch, G., Kahmen, A., Klein, T., ... Xu, C. (2022). Mechanisms of woody-plant mortality under rising drought, CO₂ and vapour pressure deficit. *Nature Reviews Earth and Environment*, 3(5), 294–308. <https://doi.org/10.1038/s43017-022-00272-1>
- Megantara, F. R., Purwanto, Y., & Setianingsih, C. (2020). *Deteksi Kondisi Tanaman Selada Berdasarkan Citra Menggunakan Metode Convolutional Neural Network (Cnn)* Lettuce Plant Condition Detection Based on Image Using Convolutional Neural Network (Cnn) Method. 7(3), 9330–9338.
- Permana, R., Budiman, R. D. A., Ramadhani, D., & Putra, A. A. (2022). Website Development for Alumni of Education Information Technology and Computer. *Jurnal Teknologi Informasi dan Pendidikan*, 15(1), 28–37.

<https://doi.org/10.24036/jtip.v15i1.526>

- Polii, M. G. M., Sondakh, T. D., Raintung, J. S. M., Doodoh, B., & Titah, T. (2019). Kajian Teknik Budidaya Tanaman Cabai (*Capsicum annum* L .) Kabupaten Minahasa Tenggara. *Eugenia*, 25(3), 73–77.
- Pratiwi, A. E. (2023). *Target Produksi Pertanian Tahun 2023, Bagaimana Peluang Petani Indonesia_ - CROWDE Blog*. <https://blog.crowde.co/target-produksi-pertanian-tahun-2023>
- Putra, B. C., & Firdaus, R. A. J. (2020). Storm Detection Application on Satellite Image Using the Hough Circle Method Based on Digital Image Processing. *JICTE (Journal of Information and Computer Technology Education)*, 4(2), 27–33. <https://doi.org/10.21070/jicte.v4i2.1018>
- Putra, R. B., & Saputra, K. (2022). Sistem Pengukur Tinggi Tanaman dengan Computer Vision dan Raspberry PI. *Teknika*, 16(1), 189–195.
- Rahayu, L. Y., Mulyana, A., & Sunarya, U. (2018). Perancangan Aplikasi Sistem Pemantauan Pertumbuhan Sawi Hijau Berbasis Web Dengan Computer Vision. *e-Proceeding of Applied Science*, 4(3), 2567–2574. <https://openlibrarypublications.telkomuniversity.ac.id/index.php/appliedscience/article/view/7411%0Ahttps://openlibrarypublications.telkomuniversity.ac.id/index.php/appliedscience/article/download/7411/7290>
- Ramayani, E. D. (n.d.). SISTEM MONITORING TANAMAN HIDROPONIK DENGAN RASBERRY PI BERBASIS IOT. *Academia Edu*.
- Santoso, R. (2024). Augmentasi Data pada Prasasti Logam untuk Deteksi Aksara Kawi. *Jurnal Fasilkom*, 14(1), 234–241. <https://doi.org/10.37859/jf.v14i1.6952>
- Saputra, R. A., Adhinata, F. D., Ramadhan, N. G., & Charisma, R. A. (2023). A Model Convolutional Neural Network for Early Detection of Chili Plant Diseases in Small Datasets. In T. Triwiyanto, A. Rizal, & W. Caesarendra (Ed.), *Proceeding of the 3rd International Conference on Electronics, Biomedical Engineering, and Health Informatics* (hal. 131–143). Springer

Nature Singapore.

- Sari, Y., Baskara, A. R., & Wahyuni, R. (2021). Classification of Chili Leaf Disease Using the Gray Level Co-occurrence Matrix (GLCM) and the Support Vector Machine (SVM) Methods. *2021 6th International Conference on Informatics and Computing, ICIC 2021*. <https://doi.org/10.1109/ICIC54025.2021.9632920>
- Shklar, L., & Rosen, R. (2004). *Web Application Architecture: Principles, Protocols and Practices*. Wiley. <https://books.google.co.id/books?id=J0IZ3ZLzy2YC>
- Singh, S., & Sah, D. W. (2020). Plant Disease Classification using Convolutional Neural Network. *International Conference on Innovative Data Communication Technologies and Application, ICIDCA 2023 - Proceedings*, 2(1), 1044–1048. <https://doi.org/10.1109/ICIDCA56705.2023.10100046>
- Staal, G. (2023). With Pressure on Food Security, Indonesia's Horticulture is Developing in the Right Direction. In *HortiDaily*. <https://hortidaily.com/article/9530340/with-pressure-on-food-security-indonesia-s-horticulture-is-developing-in-the-right-direction>
- Suryanto, A. A. (2019). Penerapan Metode Mean Absolute Error (Mea) Dalam Algoritma Regresi Linear Untuk Prediksi Produksi Padi. *Saintekbu*, 11(1), 78–83. <https://doi.org/10.32764/saintekbu.v11i1.298>
- Sutton, R. S., & Barto, A. G. (2018). *Reinforcement Learning: An Introduction* (Second). The MIT Press. <http://incompleteideas.net/book/the-book-2nd.html>
- Taufik, M., Firihi, M. Z., Gusnawaty, H. S., Variani, V. I., Hasan, A., Botek, M., Tihurua, E. F., & Wulansari, T. Y. I. (2024). The changes of chili leaf structure by Geminivirus infection. *Journal of Tropical Plant Pests and Diseases*, 24(1), 109–119. <https://doi.org/10.23960/jhptt.124109-119>
- Thakur, H., Jindal, S. K., Sharma, A., & Dhaliwal, M. S. (2018). Chilli leaf curl virus disease: a serious threat for chilli cultivation. *Journal of Plant Diseases*

and Protection, 125(3), 239–249. <https://doi.org/10.1007/s41348-018-0146-8>

Watson, H. J., Sharma, A., Cogley, A. C., & Tonon, S. S. (2000). The Data Warehousing Institute's Mission. *Journal of Quantitative Spectroscopy and Radiative Transfer*, 5(1), 1–71. [https://doi.org/10.1016/0022-4073\(81\)90019-4](https://doi.org/10.1016/0022-4073(81)90019-4)

Ye, S., Kim, D., Kim, S., Hwang, H., Kim, S., Jo, Y., Thorne, J., Kim, J., & Seo, M. (2023). *FLASK: Fine-grained Language Model Evaluation based on Alignment Skill Sets*. 1–54. <http://arxiv.org/abs/2307.10928>

Zemel, B. S. (2023). From growth charts to growth status: how concepts of optimal growth and tempo influence the interpretation of growth measurements. *Annals of Human Biology*, 50(1), 236–246. <https://doi.org/10.1080/03014460.2023.2189751>