

## DAFTAR PUSTAKA

- Adinata, F. D., & Arifin, J. (2022). *Klasifikasi jenis kelamin wajah bermasker menggunakan algoritma supervised learning*. *Jurnal Media Informatika Budidarma*, 6(1). <https://doi.org/10.30865/mib.v6i1.3377>
- Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., Santamaría, J., Fadhel, M. A., Al-Amidie, M., & Farhan, L. (2021). *Review of deep learning: Concepts, CNN architectures, challenges, applications, future directions*. *Journal of Big Data*, 8(1), 53. <https://doi.org/10.1186/s40537-021-00444-8>
- Artalia, N. K. A., Maysanjaya, I. M. D., & Suputra, P. H. (2026). Sentiment analysis of Bali's rapid tourism growth using IndoBERT with InSet lexicon automatic labelling. *Karmapati (Kumpulan Artikel Mahasiswa Pendidikan Teknik Informatika)*, 15(1). <https://doi.org/10.23887/karmapati.v15i1.111839>
- Arya P, Bedy P, & Risnandar. (2024) *Vision Transformer Untuk Klasifikasi Kematangan Pisang*. *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIK)*, 11(1), 75-84. <https://doi.org/10.25126/jtiik.20241117389>.
- Berbar, M. A. (2022). Faces recognition and facial gender classification using convolutional neural network. *Menoufia Journal of Electronic Engineering Research (MJEER)*, 31(2). <https://doi.org/10.21608/mjeer.2022.137937.1056>
- Brownlee, J. (2018). *Better deep learning: Train faster, reduce overfitting, and make better predictions*. Machine Learning Mastery. <https://machinelearningmastery.com/better-deep-learning/>
- Brownlee, J. (2019). *Deep learning for Computer Vision: Image Classification, Object Detection, and Face Recognition in Python*. Machine Learning Mastery. <https://machinelearningmastery.com/deep-learning-for-computer-vision/>
- Cimtay, Y., & Y., G. N. (2021). Gender from eye images by using pretrained convolutional neural networks. *The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM)*, 14, 39–44. <https://doi.org/10.55549/epstem.1050171>
- Dewi, N. P. D. A. S., Kesiman, M. W. A., Sunarya, I. M. G., Indradewi, I. G. A. A. D., & Andika, I. G. (2024). Klasifikasi jenis daun tumbuhan herbal berdasarkan lontar usada taru pramana menggunakan CNN. *Techno.Com*, 23(1), 271–283. <https://doi.org/10.62411/tc.v23i1.9510>

- Dianyuan Han, & Chunhua Guo. (2024). Automatic Classification of ligneous leaf diseases via hierarchical *Vision Transformer* and *transfer learning*. *Frontiers in Plant Science*. 14. <https://doi.org/10.3389/fpls.2023.1328952>
- Dinata, I. M. A. M., Gunadi, I. G. A., & Sunarya, I. M. G. (2024). Analisis *hyperparameter* pada klasifikasi jenis daging menggunakan algoritma convolutional neural network. *J-SAKTI (Jurnal Sains Komputer dan Informatika)*, 8(1), 25–34. <https://doi.org/10.30645/j-sakti.v8i1.763>
- Dong, Y., Wang, S., & Joseph, S. (2021). A survey on *deep learning* and its applications. *Computer Science Review*, 40, 100379. <https://doi.org/10.1016/j.cosrev.2021.100379>.
- Dosovitskiy, A., Beyer, L., Kolesnikov, A., Weissenborn, D., Zhai, X., Unterthiner, T., ... & Houlsby, N. (2020). An image is worth 16x16 words: Transformers for image recognition at scale. *arXiv preprint arXiv:2010.11929*.
- Fansyuri, M., & Devi, Y. (2023). Implementasi *K-Nearest Neighbor* untuk klasifikasi jenis kelamin berdasarkan analisis citra wajah. *KLIK: Kajian Ilmiah Informatika dan Komputer*, 3(6), 1208–1216. <https://djournals.com/klik>
- Firdaus, R., Satria, J., & Baidrus. (2022). Klasifikasi jenis kelamin berdasarkan gambar mata dengan menggunakan algoritma convolutional neural network (CNN). *Jurnal Computer Science and Information Technology (CoSciTech)*, 3(3), 267–273. <https://doi.org/10.37859/coscitech.v3i3.436>
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep learning*. MIT Press. <https://www.deeplearningbook.org>
- Hassan, K. R., & Ali, I. H. (2020). *Age and gender classification using multiple convolutional neural network*. *IOP Conference Series: Materials Science and Engineering*, 928(3), 032039. <https://doi.org/10.1088/1757-899X/928/3/032039>
- Hinton, G. E., Osindero, S., & Teh, Y. W. (2006). A fast learning algorithm for deep belief nets. *Neural Computation*, 18(7), 1527–1554. <https://doi.org/10.1162/neco.2006.18.7.1527>.
- Ichsan, A., & Wijiyanto. (2024). Identifikasi jenis kelamin otomatis berdasarkan mata manusia menggunakan convolutional neural network (CNN) dan Haar cascade classifier. *G-Tech: Jurnal Teknologi Terapan*, 8(1), 502–511. <https://doi.org/10.33379/gtech.v8i1.3814>
- Irhebhude, M. E., Kolawole, A. O., & Abemi, H. (2023). Age and gender classification from iris images of the eye using machine learning

- techniques. *Academy Journal of Science and Engineering*, 17(2), 54–69. <https://www.ajol.info/index.php/ajse/article/view/291417>
- Kuehlkamp, A., & Bowyer, K. W. (2018). *Predicting gender from iris texture may be harder than it seems*. arXiv:1807.01180. <https://arxiv.org/abs/1807.01180>.
- Kurniawan, C., & Irsyad, H. (2022). *Perbandingan metode K-Nearest Neighbor dan Naïve Bayes untuk klasifikasi gender berdasarkan mata*. *Jurnal Algoritme*, 2(2), 82–91. <https://doi.org/10.35957/algoritme.v2i2.2358>
- Li, J., & Luo, X. (2023). Malware family classification based on *Vision Transformer*. *Journal of Computers*, 34(1), 87–99. <https://doi.org/10.53106/199115992023023401007>
- Loshchilov, I., & Hutter, F. (2019). *Decoupled weight decay regularization*. *International Conference on Learning Representations (ICLR)*. <https://openreview.net/forum?id=Bkg6RiCqY7>
- Malathi, V., Sudha, M. A., & Aarthi, J. (2021). Gender classification using fingerprint features. *International Journal of Engineering Research & Technology (IJERT)*, 10(06), 123–126. <https://www.ijert.org/gender-classification-using-fingerprint-features>
- Maysanjaya, I. M. D., & Kesiman, M. W. A. (2023). Pendekatan berbasis U-Net untuk segmentasi hard exudate dalam citra fundus retina. *INSERT: Information System and Emerging Technology Journal*, 4(1), 26–36. <https://doi.org/10.23887/insert.v4i1.59034>
- Maysanjaya, I. M. D., Kesiman, M. W. A., & Indradewi, I. G. A. A. D. (2025). *Improving the Severity Classification of Diabetic Retinopathy by Combining ResNet50 and Image Augmentation Methods*. Proceedings of the 2025 3rd International Conference on Computer System, Information Technology, and Electrical Engineering (COSITE). IEEE. <https://doi.org/10.1109/COSITE68330.2025.11414404>
- Munarto, R., Fahrizal, R., & Darma, A. (2021). Klasifikasi jenis kelamin dan usia berdasarkan citra wajah manusia menggunakan convolutional neural network. *Jurnal Ilmiah Setrum*, 10(2), 30–43. <https://doi.org/10.36055/setrum.v10i2.12991>
- Nguyen, V. H., Ngo, L. H. H., Luu, V. H., Nguyen, H. T., & Pham, T. K. T. (2023). *PlantKViT: A combination model of Vision Transformer and KNN for forest plants classification*. *Journal of Universal Computer Science*, 29(9), 1069–1089. <https://doi.org/10.3897/jucs.94657>

- Nur Aini, & Dewi Yanti L. (2022). Prediksi Jenis Kelamin Berdasarkan Citra Mata Menggunakan Metode Convolutional Neural Network, Inception dan MobileNet. *Buletin Poltanesa*, 23(1). <https://dx.doi.org/10.51967/tanesa.v23i1.1272>.
- Pardede, D., Wanayumini, & Rosnelly, R. (2023). *A combination of Support vector machine and Inception-V3 in face-based gender classification. International Conference on Information Science and Technology Innovation (ICoSTEC)*, 2(1), 34–39. <https://doi.org/10.35842/icostec.v2i1.33>
- Patil, H. Y., & Rao, R. R. (2021). Classification of male and female speech using perceptual features. *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, 10(1), 45–49.
- Pavel, B. (2022). *Female and male eyes* [Data set]. Kaggle. <https://www.kaggle.com/datasets/pavelbiz/eyes-rtte>
- Saragih, T., Wijaya, R. F., & Pramudito, A. (2019). A survey of face recognition based on convolutional neural network. *International Journal of Computer Applications*, 182(42), 1–6. <https://doi.org/10.5120/ijca2019918503>.
- Sarker, I. H. (2021). *Deep learning: A comprehensive overview on techniques, taxonomy, applications and research directions. SN Computer Science*, 2(6), 420. <https://doi.org/10.1007/s42979-021-00815-1>.
- Singh, A., & Singh, V. K. (2023). A hybrid transformer–sequencer approach for age and gender classification from in-wild facial images. *Neural Computing and Applications*, 36(6), 1–17. <https://doi.org/10.1007/s00521-023-09087-7>
- Singh, P. B., Singh, P., Dev, H., Tiwari, A., Batra, D., & Chaurasia, B. K. (2023). *Glaucoma classification using light Vision Transformer. EAI Endorsed Transactions on Pervasive Health and Technology*, 9. <https://doi.org/10.4108/eetpht.9.3931>
- Spanier, A. B., Steiner, D., Sahalo, N., Abecassis, Y., Ziv, D., Hefetz, I., & Kimchi, S. (2024). Enhancing fingerprint forensics: A comprehensive study of gender classification based on advanced data-centric AI approaches and multi-database analysis. *Applied Sciences*, 14(1), 417. <https://doi.org/10.3390/app14010417>
- Suardika, I. G. P. D., Maysanjaya, I. M. D., & Kesiman, M. W. A. (2022). *Optic Disc Segmentation Based on Mask R-CNN in Retinal Fundus Images*. In 2022 4th International Conference on Biomedical Engineering (IBIOMED) (pp. 1–5). IEEE. <https://doi.org/10.1109/IBIOMED56408.2022.9987756>

- Suravarapu, V. K., & Patil, H. Y. (2023). *Person identification and gender classification based on Vision Transformers for periocular images*. *Applied Sciences*, 13(5), 3116. <https://doi.org/10.3390/app13053116>
- Tabrani, G. G., Saputra, M. D., Arzaki, M., & Rachmawati, E. (2024). *Classifying gender based on face images using Vision Transformer*. *International Journal of Informatics Visualization*, 8(1). <https://doi.org/10.62527/joiv.8.1.1923>
- Touvron, H., Cord, M., Sablayrolles, A., Synnaeve, G., & Jégou, H. (2021). *Going deeper with Image Transformers*. arXiv. <https://doi.org/10.48550/arXiv.2103.17239>.
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (2017). Attention is all you need. In *Advances in Neural Information Processing Systems* (Vol. 30). <https://arxiv.org/abs/1706.03762>.
- Wisnu, D. K. R. P., Purnamawan, I. K., & Dewi, L. J. E. (2026). *Analisis Komparasi Performa Arsitektur VGG16 dan CNN Kustom pada Klasifikasi Citra Buah Melon Berdasarkan Gambar Kulit*. *Jurnal Informatika Teknologi dan Sains (JINTEKS)*, 8(1), 438–448. <https://doi.org/10.51401/jinteks.v8i1.7268>

