

DAFTAR PUSTAKA

- Abadi, M., Agarwal, A., Barham, P., Brevdo, E., Chen, Z., Citro, C., Corrado, G. S., Davis, A., Dean, J., Devin, M., Ghemawat, S., Goodfellow, I., Harp, A., Irving, G., Isard, M., Jia, Y., Jozefowicz, R., Kaiser, L., Kudlur, M., ... Zheng, X. (2016, Maret 16). TensorFlow: Large-Scale Machine Learning on Heterogeneous Distributed Systems. *arXiv*. <https://doi.org/10.48550/arXiv.1603.04467>
- Agistany, I. (2023). *Pork Meat and Horse Meat Dataset [Dataset]*. Kaggle. Diakses pada 10 Maret 2025, dari <https://www.kaggle.com/datasets/iqbalagistany/pork-meat-and-horse-meat-dataset>
- Aisah, S. A. (2018). *Identifikasi Perbedaan Daging Sapi dengan Daging Babi Berdasarkan Ciri Warna dan Tekstur Menggunakan Metode Support Vector Machine (SVM)* [Skripsi, UIN Syarif Hidayatullah Jakarta]. <https://repository.uinjkt.ac.id/dspace/handle/123456789/58937>
- Al-Mejibli, I. S., Alwan, J. K., & Abd, D. H. (2020). The Effect of Gamma Value on Support Vector Machine Performance with Different Kernels. *International Journal of Electrical and Computer Engineering (IJECE)*, 10(5), 5497. <https://doi.org/10.11591/ijece.v10i5.pp5497-5506>
- Al-Qur'an Surat An-Nahl Ayat 114-115*. (t.t.). Quran.com. Diambil 4 April 2025, dari <https://quran.com/an-nahl/114-115>
- 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>
- Amami, R., Ayed, D. Ben, & Ellouze, N. (2015). Practical Selection of SVM Supervised Parameters with Different Feature Representations for Vowel Recognition. *arXiv*. <https://doi.org/10.48550/arXiv.1507.06020>
- Anandhakrishnan, T., & Jaisakthi, S. M. (2022). Deep Convolutional Neural Networks for image based tomato leaf disease detection. *Sustainable Chemistry and Pharmacy*, 30, 100793. <https://doi.org/10.1016/j.scp.2022.100793>.
- Andrew, J., Eunice, J., Popescu, D. E., Chowdary, M. K., & Hemanth, J. (2022). Deep Learning-Based Leaf Disease Detection in Crops Using Images for Agricultural Applications. *Agronomy*, 12(10), 2395. <https://doi.org/10.3390/agronomy12102395>
- Bartz-Beielstein, T. (2024). Simplifying Hyperparameter Tuning in Online Machine Learning -- The spotRiverGUI. *arXiv*. <https://doi.org/10.48550/arXiv.2402.11594>

- Basly, H., Ouarda, W., Sayadi, F. E., Ouni, B., & Alimi, A. M. (2020). *CNN-SVM Learning Approach Based Human Activity Recognition* (hlm. 271–281). https://doi.org/10.1007/978-3-030-51935-3_29
- Berrar, D. (2019). Cross-Validation. Dalam *Encyclopedia of Bioinformatics and Computational Biology* (hlm. 542–545). Elsevier. <https://doi.org/10.1016/B978-0-12-809633-8.20349-X>
- Canziani, A., Paszke, A., & Culurciello, E. (2017). An Analysis of Deep Neural Network Models for Practical Applications. *arXiv*.
- Cardoso-Fernandes, J., Teodoro, A. C., Lima, A., & Roda-Robles, E. (2020). Semi-Automatization of Support Vector Machines to Map Lithium (Li) Bearing Pegmatites. *Remote Sensing*, *12*(14), 2319. <https://doi.org/10.3390/rs12142319>
- Chen, L., Li, S., Bai, Q., Yang, J., Jiang, S., & Miao, Y. (2021). Review of Image Classification Algorithms Based on Convolutional Neural Networks. *Remote Sensing*, *13*(22), 4712. <https://doi.org/10.3390/rs13224712>
- Chollet, F. (2015). *Keras: Deep Learning for Humans*. Keras.io. Diakses pada 20 April 2025, dari <https://keras.io>
- Cortes, C., & Vapnik, V. (1995). Support-Vector Networks. *Machine Learning*, *20*(3), 273–297. <https://doi.org/10.1007/BF00994018>
- DLY, I. A., Jasril, J., Sanjaya, S., Handayani, L., & Yanto, F. (2023). Klasifikasi Citra Daging Sapi dan Babi Menggunakan CNN Alexnet dan Augmentasi Data. *Journal of Information System Research (JOSH)*, *4*(4), 1176–1185. <https://doi.org/10.47065/josh.v4i4.3702>
- Dubey, S. R., Singh, S. K., & Chaudhuri, B. B. (2022). Activation Functions in Deep Learning: A Comprehensive Survey and Benchmark. *arXiv*. <https://doi.org/10.48550/arXiv.2109.14545>
- Dumoulin, V., & Visin, F. (2016). A Guide to Convolution Arithmetic for Deep Learning. *arXiv preprint*. <https://doi.org/10.48550/arXiv.1603.07285>
- Feng, J., He, X., Teng, Q., Ren, C., Chen, H., & Li, Y. (2019). Reconstruction of Porous Media from Extremely Limited Information Using Conditional Generative Adversarial Networks. *Physical Review E*, *100*(3), 033308. <https://doi.org/10.1103/PhysRevE.100.033308>
- Géron, A. (2019). *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow* (2 ed.). O'Reilly Media. <https://www.oreilly.com/library/view/hands-on-machine-learning/9781492032632/>

- Gonzalez, R. C., & Woods, R. E. (2018). *Digital Image Processing* (4 ed.). Pearson: New York.
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press: Cambridge.
- Han, M., Cai, D., Huo, Z., Shen, Z., Tang, L., Yang, S., & Wang, C. (2024). *Reducing Overfitting Risk in Small-Sample Learning with ANN: A Case of Predicting Graduate Admission Probability* (hlm. 404–419). Springer. https://doi.org/10.1007/978-981-97-1277-9_31
- Huang, G., Liu, Z., Van Der Maaten, L., & Weinberger, K. Q. (2017). Densely Connected Convolutional Networks. *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2261–2269. <https://doi.org/10.1109/CVPR.2017.243>
- Huang, G., Liu, Z., van der Maaten, L., & Weinberger, K. Q. (2018). Densely Connected Convolutional Networks. *arXiv preprint arXiv:1608.06993*.
- Huh, M., Agrawal, P., & Efros, A. A. (2016). What Makes ImageNet Good for Transfer Learning? *arXiv*. <https://doi.org/10.48550/arXiv.1608.08614>
- Ioffe, S., & Szegedy, C. (2015). Batch Normalization: Accelerating Deep Network Training by Reducing Internal Covariate Shift. *Proceedings of the 32nd International Conference on Machine Learning (ICML)*, 37, 448–456.
- Kaggle. (2025, Mei 20). *Kaggle Notebooks Documentation*. Kaggle. Diakses pada 04 April 2025, dari <https://www.kaggle.com/docs/notebooks>
- Kompas. (2020, Mei 18). *Daging Oplosan Sapi dan Babi Dijual di Pasar Bengkok Tangerang Rp 70.000 per Kilogram*. Kompas.com. Diakses pada 20 Desember 2025, dari <https://megapolitan.kompas.com/read/2020/05/18/17082281/daging-oplosan-sapi-dan-babi-dijual-di-pasar-bengkok-tangerang-rp-70000>
- Laluma, R. H., Sugiarto, B., Santriyana, A., Azwar, A. G., Nurwathi, N., & Gunawan, G. (2021). Klasifikasi Perbedaan Daging Sapi dan Daging Babi dengan Metode Convolutional Neural Network Berbasis Web. *Infotronik : Jurnal Teknologi Informasi dan Elektronika*, 6(1), 1. <https://doi.org/10.32897/infotronik.2021.6.1.603>
- Lazin, R., Shen, X., & Anagnostou, E. (2021). Estimation of Flood-Damaged Cropland Area Using a Convolutional Neural Network. *Environmental Research Letters*, 16(5), 054011. <https://doi.org/10.1088/1748-9326/abeba0>
- LeCun, Y., Bengio, Y., & Hinton, G. (2015). Deep learning. *Nature*, 521(7553), 436–444. <https://doi.org/10.1038/nature14539>
- Li, F.-F., Karpathy, A., & Johnson, J. (2016, Mei 11). *CS231n: Convolutional Neural Networks for Visual Recognition*. Stanford University. <http://cs231n.github.io/convolutional-networks/>

- Li, G., Wan, J., He, S., Liu, Q., & Ma, B. (2020). Semi-Supervised Semantic Segmentation Using Adversarial Learning for Pavement Crack Detection. *IEEE Access*, 8, 51446–51459. <https://doi.org/10.1109/ACCESS.2020.2980086>
- Lin, M., Chen, Q., & Yan, S. (2014). Network In Network. *2nd International Conference on Learning Representations (ICLR)*.
- Listrat, A., Lebreton, B., Louveau, I., Astruc, T., Bonnet, M., Lefaucheur, L., Picard, B., & Bugeon, J. (2016). How Muscle Structure and Composition Influence Meat and Flesh Quality. *The Scientific World Journal*, 2016, 1–14. <https://doi.org/10.1155/2016/3182746>
- Liu, Z., & Xu, H. (2014). Kernel Parameter Selection for Support Vector Machine Classification. *Journal of Algorithms & Computational Technology*, 8(2), 163–177. <https://doi.org/10.1260/1748-3018.8.2.163>
- Hossin, M., & Sulaiman, M. N. (2015). A Review on Evaluation Metrics for Data Classification Evaluations. *International Journal of Data Mining & Knowledge Management Process*, 5(2), 01–11. <https://doi.org/10.5121/ijdkp.2015.5201>
- Mancini, R. A., & Hunt, M. C. (2005). Current Research in Meat Color. *Meat Science*, 71(1), 100–121. <https://doi.org/10.1016/j.meatsci.2005.03.003>
- Mokhtari, A., & Hadj Slimane, Z.-E. (2025). CMA-ES Hyperparameter Optimization of the Densenet Model for Biometric Retina Identification. *Applied Intelligence*, 55(18), 1130. <https://doi.org/10.1007/s10489-025-07014-y>
- Moroney, L. (2020). *AI and Machine Learning for Coders*. O'Reilly Media, Incorporated.
- Muhamad, N. (2024, November 20). *Mayoritas Penduduk Indonesia Beragama Islam pada Semester I 2024*. Katadata Databoks. <https://databoks.katadata.co.id/demografi/statistik/66b45dd8e5dd0/mayoritas-penduduk-indonesia-beragama-islam-pada-semester-i-2024>
- Nair, V., & Hinton, G. E. (2010). Rectified Linear Units Improve Restricted Boltzmann Machines. *Proceedings of the 27th International Conference on Machine Learning (ICML-10)*, 807–814. <https://doi.org/10.5555/3104322.3104425>
- Nida, L., Pisestyani, H., & Basri, C. (2020). Studi Kasus: Pemalsuan Daging Sapi dengan Daging Babi Hutan di Kota Bogor. *JURNAL KAJIAN VETERINER*, 8(2), 121–130. <https://doi.org/10.35508/jkv.v8i2.2326>
- Nti, I. K., Nyarko-Boateng, O., Adekoya, F. A., & Weyori, B. A. (2021). An Empirical Assessment of Different Kernel Functions on the Performance of Support Vector Machines. *Bulletin of Electrical Engineering and Informatics*, 10(6), 3403–3411. <https://doi.org/10.11591/eei.v10i6.3046>

- Nugroho, A., & Suhartanto, H. (2020). Hyper-Parameter Tuning based on Random Search for DenseNet Optimization. *2020 7th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)*, 96–99. <https://doi.org/10.1109/ICITACEE50144.2020.9239164>
- Paisal, A., Jasril, J., Sanjaya, S., Handayani, L., & Syafria, F. (2023). Klasifikasi Daging Sapi dan Daging Babi Menggunakan CNN dengan Arsitektur EfficientNet-B4 dan Augmentasi Data. *Jurnal Informatika Universitas Pamulang*, 8(2), 165–176. <https://doi.org/10.32493/informatika.v8i2.30586>
- Pan, S. J., & Yang, Q. (2010). A Survey on Transfer Learning. *IEEE Transactions on Knowledge and Data Engineering*, 22(10), 1345–1359. <https://doi.org/10.1109/TKDE.2009.191>
- Pereira, P. M. de C. C., & Vicente, A. F. dos R. B. (2013). Meat Nutritional Composition and Nutritive Role in the Human Diet. *Meat Science*, 93(3), 586–592. <https://doi.org/10.1016/j.meatsci.2012.09.018>
- Powers, D. M. W. (2020). Evaluation: from Precision, Recall and F-measure to ROC, Informedness, Markedness and Correlation. *arXiv*. <https://doi.org/10.48550/arXiv.2010.16061>
- Probst, P., Bischl, B., & Boulesteix, A.-L. (2018). Tunability: Importance of Hyperparameters of Machine Learning Algorithms. *arXiv*. <https://doi.org/10.48550/arXiv.1802.09596>
- Rachman, F., & Purnami, S. W. (2012). Perbandingan Klasifikasi Tingkat Keganasan Breast Cancer dengan Menggunakan Regresi Logistik Ordinal dan Support Vector Machine (SVM). *Jurnal Sains dan Seni ITS*, 1(1). <https://www.neliti.com/publications/15890/perbandingan-klasifikasi-tingkat-keganasan-breast-cancer-dengan-menggunakan-regr>
- Rasal, R. J., Barola, S., & Narawade, V. (2024). Enhancing Image Classification Accuracy With A Lightweight Hybrid Densenet And Machine Learning Model. *Nanotechnology Perceptions*, 21(4), 1141–1155.
- Rawat, W., & Wang, Z. (2017). Deep Convolutional Neural Networks for Image Classification: A Comprehensive Review. *Neural Computation*, 29(9), 2352–2449. https://doi.org/10.1162/neco_a_00990
- Roberts, D. R., Bahn, V., Ciuti, S., Boyce, M. S., Elith, J., Guillera-Arroita, G., Hauenstein, S., Lahoz-Monfort, J. J., Schröder, B., Thuiller, W., Warton, D. I., Wintle, B. A., Hartig, F., & Dormann, C. F. (2017). Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. *Ecography*, 40(8), 913–929. <https://doi.org/10.1111/ecog.02881>

- Saputra, A. D., Hindarto, D., & Santoso, H. (2023). Disease Classification on Rice Leaves using DenseNet121, DenseNet169, DenseNet201. *Sinkron*, 8(1), 48–55. <https://doi.org/10.33395/sinkron.v8i1.11906>
- Savas, C., & Dovic, F. (2019). The Impact of Different Kernel Functions on the Performance of Scintillation Detection Based on Support Vector Machines. *Sensors*, 19(23), 5219. <https://doi.org/10.3390/s19235219>
- Scikit-learn developers. (2024). *Cross-Validation: Evaluating Estimator Performance*. Scikit-learn Documentation. https://scikit-learn.org/stable/modules/cross_validation.html
- SEAFast Center IPB. (2019, November 20). *Mengenal Beda Daging Sapi & Daging Babi*. SEAFast Center IPB University. <https://seafast.ipb.ac.id/mengenal-beda-daging-sapi-daging-babi/#:~:text=Ada%20beberapa%20perbedaan%20mendasar%20antara%20daging%20babi%20dan,warna%2C%20serat%20daging%2C%20tipe%20lemak%2C%20aroma%20dan%20tekstur.>
- Seran, K. (2024). Konsumsi dan Neraca Penyediaan – Penggunaan Daging Sapi. *Buletin Konsumsi Pangan*, 15(1), 61.
- Shorten, C., & Khoshgoftaar, T. M. (2019). A Survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6(1), 60. <https://doi.org/10.1186/s40537-019-0197-0>
- Siddiq, M. S., Roopashree, S., Suha, M., Ruthvik, M., & Divyasree, K. (2021). SIGNify – A Mobile Solution for Indian Sign Language Using MobileNet Architecture. *2021 2nd Global Conference for Advancement in Technology (GCAT)*, 1–9. <https://doi.org/10.1109/GCAT52182.2021.9587639>
- Srivastava, N., Hinton, G., Krizhevsky, A., Sutskever, I., & Salakhutdinov, R. (2014). Dropout: A Simple Way to Prevent Neural Networks from Overfitting. *Journal of Machine Learning Research*, 15(56), 1929–1958. <http://jmlr.org/papers/v15/srivastava14a.html>
- Tariq, H., Majeed, M., & Ahmad, M. (2025). Optimizing SVM Performance through Combinatorial Hyperparameter Tuning and Model Selection. *International Journal Bioautomation*, 29(2), 117–144. <https://doi.org/10.7546/ijba.2025.29.2.000981>
- TensorFlow. (2024, Juni 7). *tf.keras.applications.densenet.preprocess_input*. TensorFlow API documentation. Diakses pada 20 April 2025, dari https://www.tensorflow.org/api_docs/python/tf/keras/applications/densenet/preprocess_input
- Tharwat, A. (2020). Behavioral Analysis of Support Vector Machine Classifier with Gaussian Kernel and Imbalanced Data. *arXiv*. <https://doi.org/10.48550/arXiv.2007.05042>

- Usman, I., Sana, S., Afzaal, M., Imran, A., Saeed, F., Ahmed, A., Shah, Y. A., Munir, M., Ateeq, H., Afzal, A., Azam, I., Ejaz, A., Nayik, G. A., & Khan, M. R. (2024). Advances and Challenges in Conventional and Modern Techniques for Halal Food Authentication: A Review. *Food Science & Nutrition*, *12*(3), 1430–1443. <https://doi.org/10.1002/fsn3.3870>
- van der Walt, S., Colbert, S. C., & Varoquaux, G. (2011). The NumPy Array: A Structure for Efficient Numerical Computation. *Computing in Science & Engineering*, *13*(2), 22–30. <https://doi.org/10.1109/MCSE.2011.37>
- van der Walt, S., Schönberger, J. L., Nunez-Iglesias, J., Boulogne, F., Warner, J. D., Yager, N., Gouillart, E., & Yu, T. (2014). Scikit-Image: Image Processing in Python. *PeerJ*, *2*, e453. <https://doi.org/10.7717/peerj.453>
- Vapnik, V. N. (1995). *The Nature of Statistical Learning Theory*. Springer New York. <https://doi.org/10.1007/978-1-4757-2440-0>
- Venkatachalam, C., Shah, P., Renukadevi, P., John, S., & Venkatachalam, S. (2025). Brain tumor diagnosis using modified DenseNet121 architecture with adaptive learning rate and callback mechanism. *Neural Computing and Applications*, *37*(17), 11527–11553. <https://doi.org/10.1007/s00521-025-11150-4>
- Vrigazova, B. (2021). The Proportion for Splitting Data into Training and Test Set for the Bootstrap in Classification Problems. *Business Systems Research Journal*, *12*(1), 228–242. <https://doi.org/10.2478/bsrj-2021-0015>
- Yani, M., Budhi Irawan, S. Si. , M. T., & Casi Setiningsih, S. T. , M. T. (2019). Application of Transfer Learning Using Convolutional Neural Network Method for Early Detection of Terry's Nail. *Journal of Physics: Conference Series*, *1201*(1), 012052. <https://doi.org/10.1088/1742-6596/1201/1/012052>
- Zhu, C., Wang, L., Zhao, W., & Lian, H. (2024). Image Classification Based on Tensor Network DenseNet Model. *Applied Intelligence*, *54*(8), 6624–6636. <https://doi.org/10.1007/s10489-024-05472-4>