

DAFTAR PUSTAKA

- Abdar, M., Islām, R., Tajbakhsh, N., et al. (2021). *A review of uncertainty quantification in deep learning: Techniques, applications and challenges*. *Information Fusion*, 76, 243–297. <https://doi.org/10.1016/j.inffus.2021.05.008>
- Ahmad, A. (2020). Mengenal artificial intelligence, machine learning, neural network, dan deep learning. *J. Teknol. Indones.*, No. October, 3.
- AlDahoul, N., Karim, H. A., Momo, M. A., Escobar, F. I. F., Magallanes, V. A., & Tan, M. J. T. (2023). Parasitic egg recognition using convolution and attention network. *Scientific Reports*, 13(1), 14475.
- Al-Iiedane, H. A., & Mahameed, A. I. (2023). Satellite images for roads using transfer learning. *Measurement: Sensors*, 27, 100775.
- Allaam, M. R. R., & Wibowo, A. T. (2021). Klasifikasi Genus Tanaman Anggrek Menggunakan Metode Convolutional Neural Network (cnn). *EProceedings of Engineering*, 8(2).
- Andriani, A., & Kom, M. (2020). *Pemrograman sistem pakar*. Media Pressindo.
- Anindita, R., Pramitaningrum, I. K., & Kusumawati, A. (2022). Identifikasi Telur Parasit Helminth Berbasis Aplikasi Android untuk Pembelajaran Praktikum Daring di Era Pandemi Covid-19. *Journal of Health (JoH)*, 9(1), 24–30.
- Archer, K. R., Waeschenbach, A., Griffin, C., Payne, I. L., Houston, J., Littlewood, D. T. J., & Rich, A. F. (2024). Fatal Hymenolepis nana-associated visceral larva migrans in captive juvenile white-tailed antsangies (*Brachytarsomys albicauda*). *Journal of Comparative Pathology*, 212, 32–41. <https://doi.org/10.1016/j.jcpa.2024.05.005>
- Basyal, G. P., Zeng, D., & Rimal, B. P. M. (2024). *Development of CNN architectures using transfer learning methods for medical image classification*. arXiv. <https://arxiv.org/abs/2410.16711>
- Basyir, M. A. (2021). Application Of Convolutional Neural Network Method With Efficiennet-B4 Architecture For Pneumonia Disease Classification. Universitas Islam Negeri Sultan Syarif Kasim.

- Baykal, E., Dogan, H., Ercin, M. E., Ersoz, S., & Ekinci, M. (2020). Transfer learning with pre-trained deep convolutional neural networks for serous cell classification. *Multimedia Tools and Applications*, 79, 15593–15611.
- Cahya, F. N., Hardi, N., Riana, D., & Hadiyanti, S. (2021). Klasifikasi Penyakit Mata Menggunakan Convolutional Neural Network (CNN). *SISTEMASI*, 10(3), 618. <https://doi.org/10.32520/stmsi.v10i3.1248>.
- Cholissodin, I. (2020). Buku Ajar AI, Machine Learning & Deep Learning. *Machine Learning*.
- Choudhary, V., Guha, P., Pau, G., Dhanaraj, R. K., & Mishra, S. (2023). Automatic classification of cowpea leaves using deep convolutional neural network. *Smart Agricultural Technology*, 4, 100209.
- de Paula, P. O., da Silva Costa, T. B., de Faissol Attux, R. R., & Fantinato, D. G. (2023). Classification of image encoded SSVEP-based EEG signals using Convolutional Neural Networks. *Expert Systems with Applications*, 214, 119096.
- De Vivero, M. M., Acevedo, N., Cavallero, S., & D'Amelio, S. (2026). Molecular Detection of Helminths in Stool Samples: Methods, Challenges, and Applications. *Parasitologia*, 6(1), 3. <https://doi.org/10.3390/parasitologia6010003>
- Dompeipen, T. A., Sompie, S. R. U. A., & Najoan, M. E. I. (2021a). Computer Vision Implementation for Detection and Counting the Number of Humans. *Jurnal Teknik Informatika*, 16(1), 65–76.
- Dompeipen, T. A., Sompie, S. R. U. A., & Najoan, M. E. I. (2021b). Computer Vision Implementation for Detection and Counting the Number of Humans. *Jurnal Teknik Informatika*, 16(1), 65–76.
- Else, K. J., Keiser, J., Holland, C. V., Grencis, R. K., Sattelle, D. B., Fujiwara, R. T., Bueno, L. L., Asaolu, S. O., Sowemimo, O. A., & Cooper, P. J. (2020). Whipworm and roundworm infections. *Nature Reviews Disease Primers*, 6(1), 44.

- Ganaie, M. A., Hu, M., Tanveer, M., & Suganthan, P. N. (2022). Ensemble deep learning: A review. *Engineering Applications of Artificial Intelligence*, 115, 105151. <https://doi.org/10.1016/j.engappai.2022.105151>.
- Guo, C., Pleiss, G., Sun, Y., & Weinberger, K. Q. (2017). *On calibration of modern neural networks*. In Proceedings of the International Conference on Machine Learning (ICML). <https://doi.org/10.48550/arXiv.1706.04599>.
- Hanin, M.A., Patmasari, R. dan Nur, R.Y. (2021) “Sistem Klasifikasi Penyakit Kulit Menggunakan Convolutional Neural Network (CNN),” *e-Proceeding of Engineering*, 8(1), hal. 273–281.
- Harine Rajashree, R., Hariharan, M. (2021). A Study on Ensemble Methods for Classification. In: Gopi, E.S. (eds) Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication. Lecture Notes in Electrical Engineering, vol 749. Springer, Singapore. https://doi.org/10.1007/978-981-16-0289-4_10
- He, W., Zhu, H., Geng, J., et al. (2024). *Recognition of parasitic helminth eggs via a deep learning-based platform*. *Frontiers in Microbiology*, 15, 1485001. <https://doi.org/10.3389/fmicb.2024.1485001>
- Hendratno, S. (2020). Filum Nematelminthes (Nematoda, Cacing Gilig). In S. M. Ompusunggu (Ed.), *Parasitologi : Teknologi Laboratorium Medik* (pp. 25–71). Penerbit Buku Kedokteran EGC.
- Heukelbach, J., & Feldmeier, H. (2008). Epidemiological and clinical characteristics of hookworm-related cutaneous larva migrans. *The Lancet Infectious Diseases*, 8(5), 302–309. [https://doi.org/10.1016/S1473-3099\(08\)70098-7](https://doi.org/10.1016/S1473-3099(08)70098-7)
- Howard, A., Sandler, M., Chu, G., Chen, L.-C., Chen, B., Tan, M., Wang, W., Zhu, Y., Pang, R., Vasudevan, V., Le, Q. V., & Adam, H. (2019). Searching for MobileNetV3. *Proceedings of the IEEE/CVF International Conference on Computer Vision*, 1314–1324.
- Iriyanto, S. Y., & Zaini, T. M. (2014). Pengolahan citra digital. *Bandar Lampung: Penerbit Anugrah Utama Raharja (AURA)*.

- Jahja, H. D., & Yudistira, N. (2023). Mask usage recognition using vision transformer with transfer learning and data augmentation. *Intelligent Systems with Applications*, 17, 200186.
- Jain, A., Awan, A. A., Anthony, Q., Subramoni, H., & Panda, D. K. D. K. (2019). Performance characterization of dnn training using tensorflow and pytorch on modern clusters. *2019 IEEE International Conference on Cluster Computing (CLUSTER)*, 1–11.
- Jiang, S., Chen, Q., Xiang, Y., Pan, Y., Wu, X., & Lin, Y. (2024). Confounder balancing in adversarial domain adaptation for pre-trained large models fine-tuning. *Neural Networks*, 173. <https://doi.org/10.1016/j.neunet.2024.106173>
- Jiang, Y., & Tong, W. (2022). *Improved lightweight identification of agricultural diseases based on MobileNetV3*. arXiv preprint arXiv:2207.11238.
- Jiménez, B., Maya, C., Velásquez, G., Barrios, J. A., Pérez, M., & Román, A. (2020). Helminth egg automatic detector (HEAD): improvements in development for digital identification and quantification of helminth eggs and its application online. *MethodsX*, 7, 101158.
- Jiménez, B., Maya, C., Velásquez, G., Torner, F., Arambula, F., Barrios, J. A., & Velasco, M. (2016). Identification and quantification of pathogenic helminth eggs using a digital image system. *Experimental Parasitology*, 166, 164–172.
- Kapczuk, P., Chlubek, D., & Baranowska-Bosiacka, I. (2020). Epidemiological and clinical characteristic of *Hymenolepis diminuta* infection – review of current literature. *Pomeranian Journal of Life Sciences*, 66(2), 32–38. <https://doi.org/10.21164/pomjlifesci.664>.
- Keller, L., Patel, C., Welsche, S., Schindler, T., Hürlimann, E., Keiser, J., & Sayasone, S. (2020). Performance of the Kato-Katz method and real-time PCR for the diagnosis of soil-transmitted helminthiasis. *Parasites & Vectors*, 13, 1–10. <https://doi.org/10.1186/s13071-020-04401-x>.
- Khalifa, M. M., Abdel-Rahman, S. M., Bakir, H. Y., Othman, R. A., & El-Mokhtar, M. A. (2020). Comparison of the diagnostic performance of microscopic examination, Copro-ELISA, and Copro-PCR in the diagnosis of *Capillaria*

- philippinensis infections. *PLOS ONE*, 15(6).
<https://doi.org/10.1371/journal.pone.0234746>
- Khatimah, H., Hasanuddin, A. R. P., & Amirullah. (2022). Identification Of Sth (Soil Transmitted Helimnth) Ususal Nematoda Using Teen Leaf Extract (Tectona Grandis). *Bioma: Jurnal Biologi Makassar*, 7(1), 37–44.
<https://doi.org/10.20956/bioma.v7i1.18421>.
- Konyaev, S. V., Nakao, M., Ito, A., & Lavikainen, A. (2017). History of *Taenia saginata* Tapeworms in Northern Russia. *Emerging Infectious Diseases*, 23(12), 2030–2037. <https://doi.org/10.3201/eid2312.162101>.
- Khatri, M.; Sahoo, M.; Sayyad, S.; Sayyad, J. (2025). Adaptive and User-Friendly Framework for Image Classification with Transfer Learning Models. *Future Internet*, 17, 370. <https://doi.org/10.3390/fi17080370>.
- Khan, A., Sohail, A., Zahoor, U., & Qureshi, A. S. (2024). *A survey of the recent architectures of deep convolutional neural networks*. *Artificial Intelligence Review*. <https://doi.org/10.1007/s10462-024-10855-7>.
- Khosravi, A. Nahavandi, S. Creighton, D. and Atiya, A.F. “Comprehensive review of neural network-based ensemble methods,” *Neural Computing and Applications*, vol. 32, no. 18, pp. 14213–14238, 2021.
<https://doi.org/10.1007/s00521-020-05406-3>.
- Kim, H. E., Cosa-Linan, A., Santhanam, N., Jannesari, M., Maros, M. E., & Ganslandt, T. (2022). *Transfer learning for medical image classification: A literature review*. *BMC Medical Imaging*, 22(69).
- Kshatri, S. S., & Singh, D. (2023). Convolutional Neural Network in Medical Image Analysis: A Review. *Archives of Computational Methods in Engineering*, 30(4), 2793–2810. <https://doi.org/10.1007/s11831-023-09898-w>
- Kumar, S., Arif, T., Alotaibi, A. S., Malik, M. B., & Manhas, J. (2023). Advances Towards Automatic Detection and Classification of Parasites Microscopic Images Using Deep Convolutional Neural Network: Methods, Models and Research Directions. *Archives of Computational Methods in Engineering*, 30(3), 2013–2039.

- Lakshminarayanan, B., Pritzel, A., & Blundell, C. (2017). *Simple and scalable predictive uncertainty estimation using deep ensembles*.
<https://doi.org/10.48550/arXiv.1612.01474>.
- Lee, C.-C., Huang, P.-J., Yeh, Y.-M., Li, P.-H., Chiu, C.-H., Cheng, W.-H., & Tang, P. (2022). Helminth Egg Analysis Platform (HEAP): An opened platform for microscopic helminth egg identification and quantification based on the integration of deep learning architectures. *Journal of Microbiology, Immunology and Infection*, 55(3), 395–404.
- Lim, C. C., Khairudin, N. A. A., Loke, S. W., Nasir, A. S. A., Chong, Y. F., & Mohamed, Z. (2022). Comparison of human intestinal parasite ova segmentation using machine learning and deep learning techniques. *Applied Sciences*, 12(15), 7542.
- Liu, K., Peng, Q., Che, Y., Zheng, Y., Li, K., Teodorescu, R., Widanage, D., & Barai, A. (2023). Transfer learning for battery smarter state estimation and ageing prognostics: Recent progress, challenges, and prospects. *Advances in Applied Energy*, 9, 100117.
- Liu, Z., Luo, P., Wang, X., & Tang, X. (2022). *Deep learning for fine-grained image analysis: A survey*. International Journal of Computer Vision, 130, 1–33.
<https://doi.org/10.1007/s11263-021-01564-0>.
- Ma, X., Li, Y., Wan, L., Xu, Z., Song, J., & Huang, J. (2023). Classification of seed corn ears based on custom lightweight convolutional neural network and improved training strategies. *Engineering Applications of Artificial Intelligence*, 120, 105936.
- MZ, I. M. U., Rizal, S., & Pratiwi, N. K. C. (2022). Klasifikasi Gejala Defisiensi Nutrisi Pada Tanaman Padi Menggunakan CNN dengan Arsitektur GoogleNet. *EProceedings of Engineering*, 9(4).
- M. Kang, J.-Y. Zhu, R. Zhang, J. Park, E. Shechtman, S. Paris, and T. Park, “Scaling up GANs for text-to-image synthesis,” *arXiv preprint arXiv:2303.05511*, 2023. [Online]. Available: <https://arxiv.org/abs/2303.05511>

- Nashrullah, F., Wibowo, S. A., & Budiman, G. (2020). Investigasi Parameter Epoch Pada Arsitektur ResNet- 50 Untuk Klasifikasi Pornografi. *Journal of Computer, Electronic, and Telecommunication*, 1(1).
- Ompusunggu, S. M. (2020). Filum Platyhelminthes: Kelas Trematoda. In S. M. Ompusunggu (Ed.), *Parasitologi : Teknologi Laboratorium Medik* (pp. 73–160). Penerbit Buku Kedokteran EGC.
- Obregon, J., & Jung, J.-Y. (2022). Explanation of ensemble models. In *Human-centered artificial intelligence: Research and applications*. Springer.
- Pakpahan, R. (2021). Analisa Pengaruh Implementasi Artificial Intelligence Dalam Kehidupan Manusia. *Journal of Information System, Informatics and Computing*, 5(2), 506–513. <https://doi.org/10.52362/jisicom.v5i2.616>
- Palasuwan, D., Naruenatthanaset, K., Kobchaisawat, T., Chalidabhongse, T. H., Nunthanasup, N., Boonpeng, K., & Anantrasirichai, N. (2022). *Parasitic Egg Detection and Classification in Microscopic Images*. IEEE Data Port. <https://ieee-dataport.org/competitions/parasitic-egg-detection-and-classification-microscopic-images#files>
- Paliwang, A. A. A., Septian, M. R. D., Cahyanti, M., & Swedia, E. R. (2020). Klasifikasi Penyakit Tanaman Apel Dari Citra Daun Dengan Convolutional Neural Network. *Sebatik*, 24(2), 207–212.
- Pangestu, R. A., Rahmat, B., & Anggraeny, F. T. (2020). Implementasi Algoritma Cnn Untuk Klasifikasi Citra Lahan Dan Perhitungan Luas. *Jurnal Informatika Dan Sistem Informasi (JIFoSI)*, 1(1), 166–174.
- Pengput, A., & Schwartz, D. G. (2020). Risk Factors for Opisthorchis Viverrini Infection: A Systematic Review. *Journal of Infection and Public Health*, 13(9), 1265–1273. <https://doi.org/10.1016/j.jiph.2020.05.028>
- Rahdar, A., Chahoushi, M., & Ghorashi, S. A. (2024). Efficiently improving the Wi-Fi-based human activity recognition, using auditory features, autoencoders, and fine-tuning. *Computers in Biology and Medicine*, 108232.
- Rahmadhini, N. S., & Mutiara, H. (2020). Pemeriksaan kuku sebagai pemeriksaan alternatif dalam mendiagnosis kecacingan. *Jurnal Majority*, 4(9), 113–117.

- Saleh, A. W., Gupta, G., Khan, S. B., Alkhalidi, N. A., & Verma, A. (2023). An Alzheimer's disease classification model using transfer learning Densenet with embedded healthcare decision support system. *Decision Analytics Journal*, 9, 100348.
- Saminathan, P. Adaptive Multi-Layer Ensemble Learning (AMEL) for Robust and Accurate Predictive Modelling in Big Data Analytics, *2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering (ICICEC)*, Davangere, India, 2024, pp. 1-8, doi: 10.1109/ICICEC62498.2024.10808711.
- Setya, A. K. (2020). Filum Platyhelminthes: Kelas Cestoda. In S. M. Ompusunggu (Ed.), *Parasitologi : Teknologi Laboratorium Medik* (pp. 161–193). Penerbit Buku Kedokteran EGC.
- Sevim, S., Omurca, S. I., & Ekinici, E. (2023). *Improving accuracy of document image classification through soft voting ensemble*. In *Smart Applications with Advanced Machine Learning*. https://doi.org/10.1007/978-3-031-09753-9_13.
- Stericzuk, B., C, Malgorzata. (2024). An Ensemble Transfer Learning Model for Brain Tumors Classification using Convolutional Neural Networks. *Advances in Science and Technology Research Journal*, 18(9), 204–216. DOI: <https://doi.org/10.12913/22998624/193627>
- Sun, L., Zhu, M., Zhang, L., Peng, M., Li, C., Wang, L., Wang, W., Ma, Z., Li, S., Zeng, W., Yin, M., Wang, W., & Chunyu, W. (2022). Differences in microbiome of healthy Sprague Dawley rats with *Paragonimus proliferus* infection and potential pathogenic role of microbes in paragonimiasis. *Acta Tropica*, 233, 106578. <https://doi.org/10.1016/j.actatropica.2022.106578>
- Sunny, S, S. Pinky, S. Jalal, M. Kayser, M. Wadud and N. Mansoor, "Soft Voting Ensemble- Based Approach for Diagnosing Diabetes Mellitus," *2024 International Conference on Advances in Computing, Communication, Electrical, and Smart Systems (iCACCESS)*, Dhaka, Bangladesh, 2024, pp. 01-06, doi: 10.1109/iCACCESS61735.2024.10499577.
- Suprapti, T., et. al. 2023. Implementasi Model Algoritma *Generative Adversarial*

- Network* (GAN) pada Sistem Presensi Berbasis Deteksi Wajah (SIDEWA). *Tematik: Jurnal Teknologi Informasi Dan Komunikasi*, 9(2), pp. 231-236. doi: <https://doi.org/10.38204/tematik.v9i2>
- Talukder, M. A., Islam, M. M., Uddin, M. A., Akhter, A., Pramanik, M. A. J., Aryal, S., Almoyad, M. A. A., Hasan, K. F., & Moni, M. A. (2023). An efficient deep learning model to categorize brain tumor using reconstruction and fine-tuning. *Expert Systems with Applications*, 230, 120534.
- Talukder, M. A., Layek, M. A., Kazi, M., Uddin, M. A., & Aryal, S. (2024). Empowering covid-19 detection: Optimizing performance through fine-tuned efficientnet deep learning architecture. *Computers in Biology and Medicine*, 168, 107789.
- Tan, M., & Le, Q. V. (n.d.). (2019). *EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks*.
- Tang, H., Zhou, Y., Hou, P., Xing, L., Chen, Y., & Li, H. (2023). *Research on the construction of marine creatures classification and identification model based on ResNet50*. *Journal of Clinical Monitoring and Computing*, 23(6).
- Tian, C., Cai, Y., Yang, H., & Su, M. (2021). Investigation on mixed particle classification based on imaging processing with convolutional neural network. *Powder Technology*, 391, 267–274.
- Tsang, S.-H. (2018). *Review: ResNet — Winner of ILSVRC 2015 (Image Classification, Localization, Detection)*. Towards Data Science.
- Wahyuni, S., & Sulaeman, M. (2022). Penerapan Algoritma Deep Learning Untuk Sistem Absensi Kehadiran Deteksi Wajah Di PT Karya Komponen Presisi. *Jurnal Informatika SIMANTIKA*, 7(1), 12–21.
- Wang, Y., Jia, Y., Tian, Y., & Xiao, J. (2022). Deep reinforcement learning with the confusion-matrix-based dynamic reward function for customer credit scoring. *Expert Systems with Applications*, 200, 117013. <https://doi.org/10.1016/j.eswa.2022.117013>
- Wihardji, T. A. (2022). *Askariasis*. Alomedika.

- World Health Organization. (2023). *Soil-transmitted helminth infections*. World Health Organization. <https://www.who.int/news-room/fact-sheets/detail/soil-transmitted-helminth-infections>
- Zahara, A., Oktaviani, A., Almarik, D., Zidny, F., Ningsih, I. S., Fifendy, M., Fitriana, N., & Azzahra, R. Y. (2022). Tingkat Pengetahuan Masyarakat Milenial Terhadap Nematoda (*Enterobius vermicularis*) di Lingkungan UIN Syarif Hidayatullah Jakarta dan Universitas Negeri Padang. *Prosiding Seminar Nasional Biologi* 3, 2(1), 331–341.
- Zhao, Z., Alzubaidi, L., Zhang, J., Duan, Y., & Gu, Y. (2024). A comparison review of transfer learning and self-supervised learning: Definitions, applications, advantages and limitations. In *Expert Systems with Applications* (Vol. 242). Elsevier Ltd. <https://doi.org/10.1016/j.eswa.2023.122807>.
- Zhou, Z.-H. (2021). Ensemble learning: Foundations and advances. *National Science Review*, 8(1), nwaa239. <https://doi.org/10.1093/nsr/nwaa239>.
- Zhou, Z., Shin, J. Y., Gurudu, S. R., Gotway, M. B., & Liang, J. (2021). Active, continual fine tuning of convolutional neural networks for reducing annotation efforts. *Medical Image Analysis*, 71, 101997.