

DAFTAR PUSTAKA

- [1] V. S. Thomas, S. Darvesh, C. MacKnight, and K. Rockwood, "Estimating the prevalence of dementia in elderly people: a comparison of the Canadian Study of Health and Aging and National Population Health Survey approaches," *Int Psychogeriatr*, vol. 13 Supp 1, no. SUPPL. [1] J. Xu, Q. Fu, X. Chen, and K. Yao, "Advances in Pharmacotherapy of Cataracts," *Ann. Transl. Med.*, vol. 8, no. 22, pp. 1552–1552, 2020, doi: 10.21037/atm-20-1960.
- [2] A. A. Feby, "Kebutaan," *Fak. Kedokt. Univ. padjadjaran*, vol. 2, no. 2, p. 2016, 2018.
- [3] P. Astari, "Katarak: Klasifikasi, Tatalaksana, dan Komplikasi Operasi," *Astari, Prilly*, vol. 45, no. 10, pp. 748–753, 2018.
- [4] K. K. R. Indonesia, "Katarak Penyebab Terbanyak Kebutaan," 2020.
- [5] L. Cao, H. Li, Y. Zhang, L. Zhang, and L. Xu, "Hierarchical Method for Cataract Grading Based on Retinal Images using Improved Haar Wavelet," *Inf. Fusion*, vol. 53, no. March 2019, pp. 196–208, 2020, doi: 10.1016/j.inffus.2019.06.022.
- [6] Y. N. Fuadah, R. Magdalena, S. Palondongan, and N. Kumalasari, "Optimasi K-Nearest Neighbor Untuk Sistem Klasifikasi Kondisi Katarak," *TEKTRIKA - J. Penelit. dan Pengemb. Telekomun. Kendali, Komputer, Elektr. dan Elektron.*, vol. 4, no. 1, p. 16, 2019, doi: 10.25124/tektrika.v4i1.1832.
- [7] R. B. J. Simanjuntak, Y. Fu'Adah, R. Magdalena, S. Saidah, A. B. Wiratama, and I. Da'Wan Salim Ubaidah, "Cataract Classification Based on Fundus Images Using Convolutional Neural Network," *Int. J. Informatics Vis.*, vol. 6, no. 1, pp. 33–38, 2022, doi: 10.30630/joiv.6.1.856.
- [8] A. Z. Alshamrani, "Cataracts Pathophysiology and Managements," *Egypt. J. Hosp. Med.*, vol. 70, no. 1, pp. 151–154, 2018, doi: 10.12816/0042978.
- [9] C. Kulkarni and R. M. Metri, "Comparison of Nuclear Size in Mature and Hypermature Cataract," vol. 5, no. 4, pp. 426–431, 2019.
- [10] S. M. Made, dr. Ni Made Ari Suryathi, M.Biomed, "KATARAK: Kebutaan yang Dapat Dicegah," 2022.
- [11] Peraturan Menteri Kesehatan, "Peraturan Menteri Kesehatan Republik Indonesia Nomor 43 Tahun 2019," no. 2. 2019.
- [12] UPTD Puskesmas Babakan, "SOP Penatalaksanaan Katarak." 2019.
- [13] A. Raup, W. Ridwan, Y. Khoeriyah, S. Supiana, and Q. Y. Zaqiah, "Deep Learning dan Penerapannya dalam Pembelajaran," *JHIP - J. Ilm. Ilmu Pendidik.*, vol. 5, no. 9, pp. 3258–3267, 2022, doi: 10.54371/jiip.v5i9.805.
- [14] A. Roihan, P. A. Sunarya, and A. S. Rafika, "Pemanfaatan Machine Learning dalam Berbagai Bidang: Review paper," *IJCIT (Indonesian J. Comput. Inf.*

- Technol.*, vol. 5, no. 1, pp. 75–82, 2020, doi: 10.31294/ijcit.v5i1.7951.
- [15] F. Chollet, *Pengenalan Konsep Machine Learning untuk Pemula*, vol. 45, no. 13. 2017.
- [16] Muhammad Haris Diponegoro, Sri Suning Kusumawardani, and Indriana Hidayah, “Tinjauan Pustaka Sistematis: Implementasi Metode Deep Learning pada Prediksi Kinerja Murid,” *J. Nas. Tek. Elektro dan Teknol. Inf.*, vol. 10, no. 2, pp. 131–138, 2021, doi: 10.22146/jnteti.v10i2.1417.
- [17] A. Perdananto, “Penerapan Deep Learning pada Aplikasi Prediksi Penyakit Pneumonia berbasis Convolutional Neural Networks,” *J. Informatics Commun. Technol.*, vol. 1, no. 2, pp. 1–10, 2019, doi: 10.52661/j_ict.v1i2.34.
- [18] M. M. Taye, “Theoretical Understanding of Convolutional Neural Network: Concepts, Architectures, Applications, Future Directions,” *Computation*, vol. 11, no. 3, p. 52, 2023, doi: 10.3390/computation11030052.
- [19] G. Sathiyapriya and S. A. Shanthi, “Image Classification using Convolutional Neural Network,” *2022 1st Int. Conf. Electr. Electron. Inf. Commun. Technol. ICEEICT 2022*, vol. 8, no. 7, pp. 236–242, 2022, doi: 10.1109/ICEEICT53079.2022.9768622.
- [20] M. F. Herlambang, A. N. Hermana, K. R. Putra, K. Kunci, and P. Citra, “Pengenalan Karakter Huruf Braille dengan Metode Convolutional Neural Network,” *Syst. Inf. Syst. Informatics J.*, vol. 6, no. 2, pp. 20–26, 2020.
- [21] Indrayanti, D. Sugianti, and M. A. Al Karomi, “Optimasi Parameter K pada Algoritma K-Nearest Neighbour untuk Klasifikasi Penyakit Diabetes Mellitus,” *Pros. SNATIF ke-6 Tahun 2019*, no. 2007, pp. 96–101, 2019.
- [22] R. Artikel, M. Freddy, T. Matius, and S. Mulyana, “Menentukan Aksi Lawan Komputer Pada Game Strategi Menggunakan Algoritma K-Nearest Neighbour,” vol. 8, pp. 537–544, 2022.
- [23] P. V. Ltd, “*Peek retina* ,” 2020.
- [24] Y. N. Fu’Adah, I. Wijayanto, N. K. C. Pratiwi, F. F. Taliningsih, S. Rizal, and M. A. Pramudito, “Automated Classification of Alzheimer’s Disease Based on MRI Image Processing using Convolutional Neural Network (CNN) with AlexNet Architecture,” *J. Phys. Conf. Ser.*, vol. 1844, no. 1, 2021, doi: 10.1088/1742-6596/1844/1/012020.
- [25] Y. Harjoseputro, “Convolutional Neural Network (Cnn) Untuk Pengklasifikasian Aksara Jawa,” *Buana Inform.*, p. 23, 2018.
- [26] X. Li *et al.*, “An Overview of Overfitting and its Solutions An Overview of Overfitting and its Solutions,” 2019, doi: 10.1088/1742-6596/1168/2/022022.
- [27] E. N. Arrofiqoh and H. Harintaka, “Implementasi Metode Convolutional Neural Network Untuk Klasifikasi Tanaman Pada Citra Resolusi Tinggi,” *Geomatika*, vol. 24, no. 2, p. 61, 2018, doi: 10.24895/jig.2018.24-2.810.

- [28] M. Tan and Q. V Le, “EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks,” 2019.
- [29] I. Syurfi, “Penerapan Deep Learning Dengan Convolutional Neural Network Untuk Klasifikasi Citra Diabetic Dengan Arsitektur Efficientnet-B7 Diabetic Dengan Arsitektur Efficientnet-B7,” 2021.
- [30] M. Heydarian, T. E. Doyle, and R. Samavi, “MLCM: Multi-Label Confusion Matrix,” *IEEE Access*, vol. 10, pp. 19083–19095, 2022, doi: 10.1109/ACCESS.2022.3151048.
- [31] D. M. S. Anggreany, “Confusion Matrix,” *BINUS University*, 2020.
- [32] E. A. Oktaviari, “Bab II Landasan Teori,” *J. Chem. Inf. Model.*, vol. 53, no. 9, p. 1689, 2019, [Online]. Available: <https://repository.bsi.ac.id/index.php/unduh/item/257726/File-10-BAB-II.pdf>
- [33] I. N. Alam, “METODE TRANSFER LEARNING PADA DEEP CONVOLUTIONAL NEURAL NETWORK (DCNN) UNTUK PENGENALAN EKSPRESI WAJAH Image-based Facial Emotion Recognition Indonesian Mixed Emotion Datasets (IMED) Using Lightweight CNN and Transfer Learning Approach View project,” no. October, 2022, [Online]. Available: <https://www.researchgate.net/publication/364330227>
- [34] TRIANO NURHIKMAT, *IMPLEMENTASI DEEP LEARNING UNTUK IMAGE CLASSIFICATION MENGGUNAKAN ALGORITMA CONVOLUTIONAL NEURAL NETWORK (CNN) PADA CITRA WAYANG GOLEK*. 2018. [Online]. Available: <http://dx.doi.org/10.1186/s13662-017-1121-6><https://doi.org/10.1007/s41980-018-0101-2><https://doi.org/10.1016/j.cnsns.2018.04.019><https://doi.org/10.1016/j.cam.2017.10.014><http://dx.doi.org/10.1016/j.apm.2011.07.041><http://arxiv.org/abs/1502.020>
- [35] W. R. PERDANI, R. MAGDALENA, and N. K. CAECAR PRATIWI, “Deep Learning untuk Klasifikasi Glaukoma dengan menggunakan Arsitektur EfficientNet,” *ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron.*, vol. 10, no. 2, p. 322, 2022, doi: 10.26760/elkomika.v10i2.322.
- [36] A. K. Pangkasidhi, H. N. Palit, and A. N. Tjondrowiguno, “Aplikasi Pendukung Diagnosis COVID-19 Yang Menganalisis Hasil X-Ray Paru-Paru Dengan Model EfficientNet,” *J. Infra*, vol. 9(2), no. 031, pp. 1–6, 2021.
- [37] Ridho, “Bab II Landasan Teori,” *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2018.
- [38] I. A. Sabilla, “Arsitektur Convolutional Neural Network (Cnn) Untuk Klasifikasi Jenis Dan Kesegaran Buah Pada Neraca Buah,” *Tesis*, no. 201510370311144, pp. 1–119, 2020, [Online]. Available: https://repository.its.ac.id/73567/1/05111850010020-Master_Thesis.pdf

- [39] M. R. Alwanda, R. P. K. Ramadhan, and D. Alamsyah, "Implementasi Metode Convolutional Neural Network Menggunakan Arsitektur LeNet-5 untuk Pengenalan Doodle," *J. Algoritm.*, vol. 1, no. 1, pp. 45–56, 2020, doi: 10.35957/algoritme.v1i1.434.
- [40] J. Homepage, S. R. Cholil, T. Handayani, R. Prathivi, and T. Ardianita, "IJCIT (Indonesian Journal on Computer and Information Technology) Implementasi Algoritma Klasifikasi K-Nearest Neighbor (KNN) Untuk Klasifikasi Seleksi Penerima Beasiswa," *IJCIT (Indonesian J. Comput. Inf. Technol.*, vol. 6, no. 2, pp. 118–127, 2021.
- [41] A. Peryanto, A. Yudhana, and R. Umar, "Klasifikasi Citra Menggunakan Convolutional Neural Network dan K Fold Cross Validation," *J. Appl. Informatics Comput.*, vol. 4, no. 1, pp. 45–51, 2020, doi: 10.30871/jaic.v4i1.2017.
- [42] P. Deep, L. Dengan, N. Network, U. Klasifikasi, and I. Syurfi, "Penerapan Deep Learning dengan Convolutional Neural Network untuk Klasifikasi Citra Diabetic dengan Arsitektur EfficientNet-B7," 2021.
- [43] B. K. Wardana, E. Rachmawati, T. Agung, and B. Wirayuda, "Pengenalan Gestur Tangan Statis menggunakan CNN dengan Arsitektur Eefficient-Net B4," vol. 8, no. 2, pp. 3446–3463, 2021.
- [44] N. M. Aszemi and P. D. D. Dominic, "Hyperparameter Optimization in Convolutional Neural Network using Genetic Algorithms," vol. 10, no. 6, pp. 269–278, 2019.
- [45] A. P. Yulianto and S. Darwis, "Penerapan Metode K -Nearest Neighbors (kNN) pada Bearing," pp. 10–18.
- [46] Kumparan, "Tipe Data String: Pengertian, Jenis, dan Fungsinya," 2022.
- [47] M. A. Kosim, S. R. Aji, and M. Darwis, "Pengujian Usability Aplikasi Pedulilindungi Dengan Metode System Usability Scale (SUS)," *J. Sist. Inf. dan Sains Teknol.*, vol. 4, no. 2, pp. 1–7, 2022, doi: 10.31326/sistek.v4i2.1326.
- [48] A. Riski and N. M. C. Utami, "Uji Usabilitas dengan System Usability Scale pada Aplikasi Online Travelling," *Semin. Nas. Tek. Ind. Univ. Gadjah Madha*, no. September, p. ER-114, 2021.
- [49] Muhammad Jauhar Vikri and R. Rohmah, "Penerapan Fungsi Exponential Pada Pembobotan Fungsi Jarak Euclidean Algoritma K-Nearest Neighbor," *Gener. J.*, vol. 6, no. 2, pp. 57–64, 2022, doi: 10.29407/gj.v6i2.18070.
- [50] K. Maharana, S. Mondal, and B. Nemade, "A Review: Data Pre-Processing and Data Augmentation Techniques," *Glob. Transitions Proc.*, vol. 3, no. 1, pp. 91–99, 2022, doi: 10.1016/j.gltip.2022.04.020.
- [51] H. T. Duong and T. A. Nguyen-Thi, "A Review: Preprocessing Techniques and Data Augmentation for Sentiment Analysis," *Comput. Soc. Networks*, vol. 8, no. 1, pp. 1–16, 2021, doi: 10.1186/s40649-020-00080-x.

- [52] Y. N. FUADAH, I. D. UBAIDULLAH, N. IBRAHIM, F. F. TALININGSING, N. K. SY, and M. A. PRAMUDITHO, "Optimasi Convolutional Neural Network dan K-Fold Cross Validation pada Sistem Klasifikasi Glaukoma," *ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron.*, vol. 10, no. 3, p. 728, 2022, doi: 10.26760/elkomika.v10i3.728.
- [53] N. Rochmawati, H. B. Hidayati, Y. Yamasari, H. P. A. Tjahyaningtjas, W. Yustanti, and A. Prihanto, "Analisa Learning Rate dan Batch Size pada Klasifikasi Covid Menggunakan Deep Learning dengan *Optimizer Adam*," *J. Inf. Eng. Educ. Technol.*, vol. 5, no. 2, pp. 44–48, 2021, doi: 10.26740/jieet.v5n2.p44-48.
- [54] A. K. Aggarwal, "Learning Texture Features from GLCM for Classification of Brain Tumor MRI Images using Random Forest Classifier," *Wseas Trans. Signal Process.*, vol. 18, pp. 60–63, 2022, doi: 10.37394/232014.2022.18.8.
- [55] Y. Fu'Adah, *Deteksi Katarak pada Citra Mata Digital Menggunakan Metoda Analisis Tekstur Statistik dan K-Narest Neighbor*. 2014.