

DAFTAR PUSTAKA

- Ahmed, M., Afreen, N., Ahmed, M., Sameer, M., & Ahamed, J. (2023). An inception V3 approach for malware classification using machine learning and transfer learning. *International Journal of Intelligent Networks*, 4, 11–18. <https://doi.org/10.1016/J.IJIN.2022.11.005>
- Al., R. et. (2022). *Perbandingan Algoritma Cnn Dan Ann Dengan Projection Histogram Untuk Klasifikasi Citra Tulisan Tangan Berupa Angka*. 767–779.
- Al-Salman, A., & AlSalman, A. (2024). Fly-LeNet: A deep learning-based framework for converting multilingual braille images. *Heliyon*, 10(4), e26155. <https://doi.org/10.1016/J.HELIYON.2024.E26155>
- Andreas Restu Priatama. (2023). Deteksi Objek Pisau Menggunakan Yolo Machine Learning. *PROKASDADIK: Prosiding Kecerdasan Artifisial, Sains Data, Dan Pendidikan Masa Depan*, 1(1), 56–61.
- Andriansyah, Marindo, H. J. (2021). *PENGENALAN KARAKTER BRAILLE MEMANFAATKAN CONVOLUTIONAL NEURAL NETWORK*. 4(1), 41–54. <https://www.env.go.jp/policy/hakusyo/r03/pdf/full.pdf>
- Azmi, K., Defit, S., & Sumijan, S. (2023). Implementasi Convolutional Neural Network (CNN) Untuk Klasifikasi Batik Tanah Liat Sumatera Barat. *Jurnal Unitek*, 16(1), 28–40. <https://doi.org/10.52072/unitek.v16i1.504>
- Bayu Adhya Wiratama, A. W. I. M. A. D. S. (2024). *Sistem Pengenalan Huruf Braille Menggunakan Metode Deep Learning Berbasis Website*. 5(3), 93–99. <https://doi.org/10.62527/jitsi.5.3.244>

- Chinazzo, C. (2019). Multi-layer perceptron: how to predict customers' purchasing decision resulting from advertising banner-based campaigns on Instagram. *Cristiana Chinazzo Researchgate.Net, July*.
https://www.researchgate.net/profile/Claudio-Latini/publication/338719236_Multi-layer_perceptron_how_to_predict_customers'_purchasing_decision_resulting_from_advertising_banner-based_campaigns_on_Instagram/links/5e273c2ca6fdcc70a13decaf/Multi-layer-percep
- Christianto, E., AlwinM.Sambu, & Feisy D. Kambey. (2021). Implementation of Convolutional Neural Network on Images for Starlings Classification. *Jurnal Teknik Informatika*. <https://ejournal.unsrat.ac.id/index.php/informatika>
- Dananjaya, R. H., Sutrisno, S., & Fitriady, S. (2022). Penerapan Artificial Neural Network (Ann) Dalam Memprediksi Kapasitas Dukung Fondasi Tiang. *Matriks Teknik Sipil, 10(4), 419*.
<https://doi.org/10.20961/mateksi.v10i4.65034>
- Dewi, D. A. I. C., & Pramita, D. A. K. (2019). Analisis Perbandingan Metode Elbow dan Silhouette pada Algoritma Clustering K-Medoids dalam Pengelompokan Produksi Kerajinan Bali. *Matrix: Jurnal Manajemen Teknologi Dan Informatika, 9(3), 102–109*.
<https://doi.org/10.31940/matrix.v9i3.1662>
- Dompeipen, T. A., & Sompie, S. R. U. A. (2020). Penerapan computer vision untuk pendeteksian dan penghitung jumlah manusia. *Jurnal Teknik Informatika, 15(4), 1–12*.

- Elaraby, N., Barakat, S., & Rezk, A. (2024). A generalized ensemble approach based on transfer learning for Braille character recognition. *Information Processing & Management*, 61(1), 103545. <https://doi.org/10.1016/J.IPM.2023.103545>
- Eliyani, E., & Maulana, A. R. (2020). Pemilihan Metode Pengurangan Noise Pada Citra Ultrasonografi Ovarium. *E-Link: Jurnal Teknik Elektro Dan Informatika*, 15(1), 13. <https://doi.org/10.30587/e-link.v15i1.1605>
- Fathur Rozi, M. I., Adiwijaya, N. O., & Swasono, D. I. (2023). Identifikasi Kinerja Arsitektur Transfer Learning Vgg16, Resnet-50, Dan Inception-V3 Dalam Pengklasifikasian Citra Penyakit Daun Tomat. *Jurnal Riset Rekayasa Elektro*, 5(2), 145. <https://doi.org/10.30595/jrre.v5i2.18050>
- Gadekallu, T. R., Srivastava, G., Liyanage, M., M., I., Chowdhary, C. L., Koppu, S., & Maddikunta, P. K. R. (2022). Hand gesture recognition based on a Harris Hawks optimized Convolution Neural Network. *Computers and Electrical Engineering*, 100, 107836. <https://doi.org/10.1016/J.COMPELECENG.2022.107836>
- Grijalva, I., Spiesman, B. J., & McCornack, B. (2023). Image classification of sugarcane aphid density using deep convolutional neural networks. *Smart Agricultural Technology*, 3, 100089. <https://doi.org/10.1016/J.ATECH.2022.100089>
- Hamid Saifullah, E., Tasripan, T., & Kusuma, H. (2019). Sistem Elektronik untuk Refreshable Braille dengan Fitur Suara dan Integrasi dengan Android. *Jurnal Teknik ITS*, 8(1). <https://doi.org/10.12962/j23373539.v8i1.38611>

- Hartanti, N. T. (2020). Metode Elbow dan K-Means Guna Mengukur Kesiapan Siswa SMK Dalam Ujian Nasional. *Jurnal Nasional Teknologi Dan Sistem Informasi*, 06(02), 82–89.
<https://teknosi.fti.unand.ac.id/index.php/teknosi/article/view/1499/pdf>
- Heni Herlina, O. F. W. (2022). *Pengantar Braille*.
https://books.google.co.id/books?hl=id&lr=&id=1JS0EAAAQBAJ&oi=fnd&pg=PP1&dq=sejarah+braille&ots=fpwSe9S9Mh&sig=40iO-8czsMlpiaBVL0JMb-VYaiM&redir_esc=y#v=onepage&q=sejarah+braille&f=false
- Herlambang, M. F., Hermana, A. N., & Putra, K. R. (2021). Pengenalan Karakter Huruf Braille dengan Metode Convolutional Neural Network. *Systemic: Information System and Informatics Journal*, 6(2), 20–26.
<https://doi.org/10.29080/systemic.v6i2.969>
- Huda, N., Mahiruna, A., Sulistijanti, W., & Santi, R. C. N. (2023). Analisis Performa Inceptionv3 Convolutional Network Pada Klasifikasi Varietas Daun Grapevine. *Jurnal Sains Komputer Dan Teknologi Informasi*, 5(2), 47–53.
<https://doi.org/10.33084/jsakti.v5i2.5022>
- Ikasari, I. H., Ayumi, V., Fanany, M. I., & Mulyono, S. (2017). Multiple regularizations deep learning for paddy growth stages classification from LANDSAT-8. *2016 International Conference on Advanced Computer Science and Information Systems, ICACISIS 2016, October*, 512–517.
<https://doi.org/10.1109/ICACISIS.2016.7872790>
- Iskandar, D. A., & Salam, A. (2024). Evaluasi Performa Oversampling dan Augmentasi pada Klasifikasi Penyakit Kulit Menerapkan Convolutional

- Neural Network. *Jurnal Media Informatika Budidarma*, 8(1), 240–250.
<https://doi.org/10.30865/mib.v8i1.7119>
- Jahandad, Sam, S. M., Kamardin, K., Amir Sjarif, N. N., & Mohamed, N. (2019). Offline Signature Verification using Deep Learning Convolutional Neural Network (CNN) Architectures GoogLeNet Inception-v1 and Inception-v3. *Procedia Computer Science*, 161, 475–483.
<https://doi.org/10.1016/J.PROCS.2019.11.147>
- Jérémy, Frezza-Buet, H., Geist, M., & Pennerath, F. (2020). *Machine Learning*.
- Karpe, R., Patil, P., Shahane, P., Patki, H., Vispute, S., & Kannan, R. (2023). A Review of Fruits Image Analysis Using Computer Vision and Deep Learning Techniques. *July*, 707–723. https://doi.org/10.1007/978-981-99-3608-3_49
- Korium, M. S., Saber, M., Ahmed, A. M., Narayanan, A., & Nardelli, P. H. J. (2024). Image-based intrusion detection system for GPS spoofing cyberattacks in unmanned aerial vehicles. *Ad Hoc Networks*, 163, 103597.
<https://doi.org/10.1016/J.ADHOC.2024.103597>
- Maad M. Mijwel. (2021). Artificial Neural Networks Advantages and Disadvantages. *Mesopotamian Journal of BigData*, Vol. (2021), 29–31.
<https://journals.mesopotamian.press/index.php/bigdata/article/view/225/209>
- Mardiah et al. (2023). *Application of Image Median Filter and Histogram Equalization on Old Building Images Pendahuluan*. 1(September), 0–7.
- Maruzi, M., Nofriadi, N., & Syahputra, A. K. (2021). Alat Pengenalan Huruf Braille untuk Murid Tunanetra dengan Kontrol Android. *JUTSI (Jurnal Teknologi Dan Sistem Informasi)*, 1(3), 261–266.
<https://doi.org/10.33330/jutsi.v1i3.1338>

- Masa, A. P. A., & Hamdani, H. (2021). Klasifikasi Motif Citra Batik Menggunakan Convolutional Neural Network Berdasarkan K-means Clustering. *Jurnal Media Informatika Budidarma*, 5(4), 1292. <https://doi.org/10.30865/mib.v5i4.3246>
- Meena, G., Mohbey, K. K., & Kumar, S. (2023). Sentiment analysis on images using convolutional neural networks based Inception-V3 transfer learning approach. *International Journal of Information Management Data Insights*, 3(1), 100174. <https://doi.org/10.1016/J.JJIMEI.2023.100174>
- Mostafa, S., & Wu, F. X. (2021). Diagnosis of autism spectrum disorder with convolutional autoencoder and structural MRI images. *Neural Engineering Techniques for Autism Spectrum Disorder: Volume 1: Imaging and Signal Analysis*, 23–38. <https://doi.org/10.1016/B978-0-12-822822-7.00003-X>
- Muhammad Afif Amanullah Fawwaz, Kurniawan Nur Ramadhani, S.T., M. T., & Febryanti Sthevanie. (2021). *Klasifikasi Ras Pada Kucing Menggunakan Algoritma Convolutional Neural Network(cnn)*. <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/14320/14104>
- Mulyana, T. M. S. (2014). Uji Coba Perbedaan Intensitas Piksel Ttiap Pengambilan Gambar. *Jurnal Teknologi Informasi*, 10(2), 43–49.
- Neshat, M., Ahmed, M., Askari, H., Thilakaratne, M., & Mirjalili, S. (2024). Hybrid Inception Architecture with Residual Connection: Fine-tuned Inception-ResNet Deep Learning Model for Lung Inflammation Diagnosis from Chest Radiographs. *Procedia Computer Science*, 235, 1841–1850. <https://doi.org/10.1016/J.PROCS.2024.04.175>

- Nugraha, P., Komarudin, A., & Ramadhan, E. (2022). Deteksi Objek Dan Jenis Burung Menggunakan Convolutional Neural Network Dengan Arsitektur Inception Resnet-V2. *INFOTECH Journal*, 8, 47–55. <https://doi.org/10.31949/infotech.v8i2.2889>
- Nurhakiki, J., Yahfizham, Y., William, J., Ps, I. V, Estate, M., Percut, K., Tuan, S., & Serdang, K. D. (2024). Studi Kepustakaan: Pengenalan 4 Algoritma Pada Pembelajaran Deep Learning Beserta Implikasinya. *Jurnal Pendidikan Berkarakter*, 1, 270–281. <https://doi.org/10.51903/pendekar.v2i1.598>
- Prabowo, R., Verina, V., Sholehurrohman, R., & Andrian, R. (2023). Implementasi Metode K-Means untuk Clustering Citra Tanaman Obat. *10(03)*, 345–358.
- Prihatiningsih, S., M, N. S., Andriani, F., & Nugraha, N. (2019). Analisa Performa Pengenalan Tulisan Tangan Angka Berdasarkan Jumlah Iterasi Menggunakan Metode Convolutional Neural Network. *Jurnal Ilmiah Teknologi Dan Rekayasa*, 24(1), 58–66. <https://doi.org/10.35760/tr.2019.v24i1.1934>
- Raghuwanshi, S., Sukhad, A., Rasool, A., Meena, V. K., Jadhav, A., & Shivakarthik, K. (2024). Early Detection of Brain Tumor from MRI Images Using Different Machine Learning Techniques. *Procedia Computer Science*, 235, 3094–3104. <https://doi.org/10.1016/J.PROCS.2024.04.293>
- Rahayu, W. I., Prianto, C., & Novia, E. A. (2021). Perbandingan Algoritma K-Means dan Naive Bayes untuk Memprediksi Prioritas Pembayaran Tagihan Rumah Sakit Berdasarkan Tingkat Kepentingan pada PT. Pertamina (Persero). *Jurnal Teknik Informatika*, 13(2), 1–8.

- Ramadhani, N., & Irdamuni. (2022). Pengembangan Media Explosion Box Braille untuk Kemampuan Pra Membaca Bagi Peserta Didik Tuna Netra. *Jurnal Pendidikan Dan Konseling*, 4(6), 1349–1358.
- Repelino, B. C., Rahmadanti, E. T., & Salsabila, F. (2023). Pengaruh media huruf braille pada anak penyandang disabilitas tuna netra di SLBN A Citeureup. *Scientific Journal of Education*, 1(2), 116–123.
<https://journal.csspublishing.com/index.php/education/article/view/110%0Ahttps://journal.csspublishing.com/index.php/education/article/download/110/64>
- Ronando, E., & Sudaryanto, A. (2018). Sistem Pengenalan Pola Huruf Braille Berbasis Audio Menggunakan Metode Naïve Bayes. *Jurnal Ilmu Komputer Dan Desain Komunikasi Visual*, 3(1).
<https://journal.unusida.ac.id/index.php/jik/article/view/44>
- Samidin, S., & Fadjeri, A. (2024). Klasifikasi Gambar Batu-Kertas-Gunting Menggunakan Convolutional Neural Network dengan Fungsi Callback untuk Mencegah Overfitting. *Jurnal Penelitian Inovatif*, 4(2), 785–794.
<https://doi.org/10.54082/jupin.413>
- Senok, S. B. O. R. I., Çatmabacak, Ö., & Ünal, Z. (2018). *Control of Collective Bursting in Small Hodgkin- Huxley Neuron Clusters*. 60(1), 21–30.
<https://doi.org/10.1501/commua1-2>
- Soekarta, R., Yusuf, M., Hasa, Muh. F., & Basri, N. A. (2023). Implementasi Deep Learning Untuk Deteksi Jenis Obat Menggunakan Algoritma Cnn Berbasis Website. *JIKA (Jurnal Informatika)*, 7(4), 455.
<https://doi.org/10.31000/jika.v7i4.9751>

- Suartika E. P, I Wayan, Wijaya Arya Yudhi, S. R. (2016). Klasifikasi Citra Menggunakan Convolutional Neural Network (CNN) Pada Caltech 101. *Jurnal Teknik ITS*, 5(1), 76. <http://repository.its.ac.id/48842/>
- Szegedy, C., Vanhoucke, V., Ioffe, S., Shlens, J., & Wojna, Z. (2016). Rethinking the Inception Architecture for Computer Vision. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition, 2016-December*, 2818–2826. <https://doi.org/10.1109/CVPR.2016.308>
- Tang, H., Ni, R., Zhao, Y., & Li, X. (2018). Median filtering detection of small-size image based on CNN. *Journal of Visual Communication and Image Representation*, 51, 162–168. <https://doi.org/10.1016/J.JVCIR.2018.01.011>
- Teresa. (2019). Pewarnaan Citra Grayscale ke dalam Citra Berwarna dengan Menggunakan Pseudocoloring berbasis Palet Warna. *Institut Teknologi Bandung*.
- Thangaraj, R., P, P., Ramakrishnan, J., R, N., & Eswaran, S. (2023). A deep convolution neural network for automated COVID-19 disease detection using chest X-ray images. *Healthcare Analytics*, 4, 100278. <https://doi.org/10.1016/J.HEALTH.2023.100278>
- Udapola, H., & Liyanage, S. R. (2017). Braille Messenger : Adaptive Learning Based Non- Visual Touch Screen Input for the Blind Community Using Braille. *International Conference on Innovations in Info-Business and Technology, October 2018*, 1–11. https://www.researchgate.net/profile/Hansi-Udapola/publication/328216004_Braille_Messenger_Adaptive_Learning_Based_Non-

_Visual_Touch_Screen_Text_Input_for_the_Blind_Community_Using_Braile
lle/links/5bc1ffcb92851c88fd6995e6/Braille-Messenger-Adaptive-Learning

UNGKAWA, U., & HAKIM, G. AL. (2023). Klasifikasi Warna pada Kematangan Buah Kopi Kuning menggunakan Metode CNN Inception V3. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, 11(3), 731. <https://doi.org/10.26760/elkomika.v11i3.731>

Wahyu, E., Nasution, A. Y., & Rosnelly, R. (2024). *Pengenalan Pola Aksara Batak menggunakan Backpropagation Recognition of Batak Script Patterns using Backpropagation*. 14(1), 57–67.

Wedianto, A., Sari, H. L., & H, Y. S. (2016). Analisa Perbandingan Metode Filter Gaussian, Mean Dan Median Terhadap Reduksi Noise. *Jurnal Media Infotama*, 12(1), 21–30. <https://doi.org/10.37676/jmi.v12i1.269>

Wijaya, A. H. (2019). Artificial Neural Network Untuk Memprediksi Beban Listrik Dengan Menggunakan Metode Backpropagation. *Jurnal CoreIT*, 5(2), 61–70.

WU, W., YANG, T. le, LI, R., CHEN, C., LIU, T., ZHOU, K., SUN, C. ming, LI, C. yan, ZHU, X. kai, & GUO, W. shan. (2020). Detection and enumeration of wheat grains based on a deep learning method under various scenarios and scales. *Journal of Integrative Agriculture*, 19(8), 1998–2008. [https://doi.org/10.1016/S2095-3119\(19\)62803-0](https://doi.org/10.1016/S2095-3119(19)62803-0)

Ye, H. (2024). *Accelerating convolutional neural networks : Exploring FPGA-based architectures and challenges Accelerating convolutional neural networks : Exploring FPGA-based architectures and challenges*. <https://doi.org/10.1088/1742-6596/2786/1/012004>