

DAFTAR PUSTAKA

- [1] Rima Dias Ramadhani, A. Nur Aziz Thohari, C. Kartiko, A. Junaidi, T. Ginanjar Laksana, and N. Alim Setya Nugraha, "Optimasi Akurasi Metode Convolutional Neural Network untuk Identifikasi Jenis Sampah," *J. RESTI (Rekayasa Sist. dan Teknol. Informasi)*, vol. 5, no. 2, pp. 312–318, 2021, doi: 10.29207/resti.v5i2.2754.
- [2] L. Leonardo, Y. Yohannes, and E. Hartati, "Klasifikasi Sampah Daur Ulang Menggunakan Support Vector Machine Dengan Fitur Local Binary Pattern," *J. Algoritm.*, vol. 1, no. 1, pp. 78–90, 2020, doi: 10.35957/algoritme.v1i1.440.
- [3] K. Telaumbanua, Sudarto, F. Butar-butur, and P. S. Bilqis, "Identifikasi Sampah Berdasarkan Tekstur dengan Metode GLCM dan GLRLM Menggunakan Improved KNN," *J. Comput. Sci. Inf. Technol.*, vol. 1, no. 2, pp. 45–52, 2021.
- [4] M. I. Ardimansyah and R. Muhammad, "Rancang Bangun Prototipe Klasifikasi Sampah Otomatis Dengan Sensor Proximity Dan Linear Rail Slider Box Berbasis Mikrokontroler Arduino DiLingkungan UPI Kampus Cibiru," *J. SEICT*, vol. 1, no. 1, pp. 23–28, 2020.
- [5] A. Tatke, M. Patil, A. Khot, P. Jadhav, and D. V. Karad, "Hybrid Approach of Garbage Classification Using Computer Vision and Deep Learning," *Int. J. Eng. Appl. Sci. Technol.*, vol. 5, no. 10, pp. 208–213, 2021, doi: 10.33564/ijeast.2021.v05i10.032.
- [6] T. A. M. Irfan Nugraha Pratama, Tatang Rohana, "Pengenalan Sampah Plastik Dengan Model Convolutional Neural Network," *Conf. Innov. Appl. Sci. Technol. (CIASTECH 2020)*, no. Ciastech, pp. 691–698, 2020.
- [7] D. Aryanto and V. Augusman, "Penerapan Machine Learning Untuk Mengategorikan Sampah Plastik Rumah Tangga," *J. Times*, vol. X, no. 1, pp. 39–43, 2021, [Online]. Available: <http://ejournal.stmik-time.ac.id>.
- [8] X. Lu, X. Pu, and X. Han, "Sustainable smart waste classification and collection system: A bi-objective modeling and optimization approach," *J.*

- Clean. Prod.*, vol. 276, p. 124183, 2020, doi: 10.1016/j.jclepro.2020.124183.
- [9] W. L. Mao, W. C. Chen, C. T. Wang, and Y. H. Lin, "Recycling waste classification using optimized convolutional neural network," *Resour. Conserv. Recycl.*, vol. 164, no. August 2020, p. 105132, 2021, doi: 10.1016/j.resconrec.2020.105132.
- [10] D. A. S. Denny H, Samuel K, Didi K, "Klasifikasi Motif Citra Batik Yogyakarta Menggunakan Metode Adaptive Neuro Fuzzy Inference System," *J. Ilm. Setrum*, vol. 8, no. 1, 2019.
- [11] P. A. Nugroho, I. Fenriana, and R. Arijanto, "Implementasi Deep Learning Menggunakan Convolutional Neural Network (Cnn) Pada Ekspresi Manusia," *Algor*, vol. 2, pp. 12–21, 2020.
- [12] Y. Na, Z. Wen, W. Li, and H. Pu, "Research on Garbage Classification Model Based on the Fusion Model of CNN and SVM," vol. 09, no. 10, pp. 94–99, 2021.
- [13] Hendriyana and Y. H. Maulana, "Identifikasi Jenis Kayu Menggunakan Convolutional Neural Network Dengan Arsitektur Mobilenet," *Ristek*, vol. 4, no. 1, pp. 70–76, 2020, [Online]. Available: <http://jurnal.iaii.or.id/index.php/RESTI/article/view/1445/203>.
- [14] W. Dai, Y. Dai, K. Hirota, and Z. Jia, "A Flower Classification Approach with MobileNetV2 and Transfer Learning," *9th Int. Symp. Comput. Intell. Ind. Appl.*, pp. 1–5, 2020.
- [15] W. Hastomo, R. Dalam, K. Baru, D. Learning, C. N. Network, and T. Brain, "Convolution Neural Network Arsitektur Mobilenet-V2 Untuk Mendeteksi Tumor Otak," vol. 5, no. Gambar 1, 2021.
- [16] M. Sandler, A. Howard, M. Zhu, A. Zhmoginov, and L. C. Chen, "MobileNetV2: Inverted Residuals and Linear Bottlenecks," *Proc. IEEE Comput. Soc. Conf. Comput. Vis. Pattern Recognit.*, pp. 4510–4520, 2018, doi: 10.1109/CVPR.2018.00474.
- [17] H. Abdurrohman, R. Dini, and A. P. Muharram, "Evaluasi Performa Metode Deep Learning Untuk Klasifikasi Citra Lesi Kulit the Ham10000,"

- pp. 63–68, 2019, doi: 10.5614/sniko.2018.10.
- [18] S. Meng and W. T. Chu, “A Study of Garbage Classification with Convolutional Neural Networks,” *Indo - Taiwan 2nd Int. Conf. Comput. Anal. Networks, Indo-Taiwan ICAN 2020 - Proc.*, pp. 152–157, 2020, doi: 10.1109/Indo-TaiwanICAN48429.2020.9181311.
- [19] M. Akay *et al.*, “Deep Learning Classification of Systemic Sclerosis Skin Using the MobileNetV2 Model,” *IEEE Open J. Eng. Med. Biol.*, vol. 2, pp. 104–110, 2021, doi: 10.1109/ojemb.2021.3066097.
- [20] S. A. Sanjaya and S. A. Rakhmawan, “Face Mask Detection Using MobileNetV2 in the Era of COVID-19 Pandemic,” *2020 Int. Conf. Data Anal. Bus. Ind. W. Towar. a Sustain. Econ. ICDABI 2020*, 2020, doi: 10.1109/ICDABI51230.2020.9325631.
- [21] “Pemanfaatan Daur Ulang Sampah Anorganik di Rumah _ Rumah.” 2020, [Online]. Available: <https://www.rumah.com/panduan-properti/cara-menangani-sampah-anorganik-di-rumah-21716>.
- [22] “3 Manfaat Pengelolaan Sampah Efektif.” 2019, [Online]. Available: https://www.dbs.com/spark/index/id_id/site/hacks/3-manfaat-pengelolaan-sampah-efektif.html.
- [23] Dinas Lingkungan Hidup Dan Kehutanan Daerah Istimewa Yogyakarta, “Mengenal B3 dan Limbah B3 | Dinas Lingkungan Hidup dan Kehutanan DIY,” *Https://Dlhk.Jogjaprov.Go.Id/*. [Online]. Available: <https://dlhk.jogjaprov.go.id/mengenal-b3-dan-limbah-b3>.
- [24] A. Dlh, “Pengertian Limbah B3 (Bahan Berbahaya Beracun) Dinas Lingkungan Hidup.” [Online]. Available: <https://dlh.bulelengkab.go.id/informasi/detail/artikel/pengertian-limbah-b3-bahan-berbahaya-beracun-41>.
- [25] Hanifah, “7 Contoh Limbah B3 Rumah Tangga & Cara Membuangnya yang Benar.” [Online]. Available: <https://www.99.co/blog/indonesia/contoh-limbah-b3-rumah-tangga/>.
- [26] A. I. Putra and R. R. Santika, “Implementasi Machine Learning dalam Penentuan Rekomendasi Musik dengan Metode Content-Based Filtering,”

- Edumatic J. Pendidik. Inform.*, vol. 4, no. 1, pp. 121–130, 2020, doi: 10.29408/edumatic.v4i1.2162.
- [27] Rifkie Primartha, *Belajar Machine Learning Teori dan Praktik*. Informatika Bandung, 2018.
- [28] S. Ilahiyah and A. Nilogiri, “Implementasi Deep Learning Pada Identifikasi Jenis Tumbuhan Berdasarkan Citra Daun Menggunakan Convolutional Neural Network,” *JUSTINDO (Jurnal Sist. dan Teknol. Inf. Indones.)*, vol. 3, no. 2, pp. 49–56, 2018.
- [29] R. D. Nurfita and G. Ariyanto, “Implementasi Deep Learning Berbasis Tensorflow Untuk Pengenalan Sidik Jari,” 2018.
- [30] Sunpark, “It’s Deep Learning Times: A New Frontier of Data | by Sunpark | Towards Data Science.” 2019, [Online]. Available: <https://towardsdatascience.com/its-deep-learning-times-a-new-frontier-of-data-a1e9ef9fe9a8>.
- [31] L. B. Adrianto, M. I. Wahyuddin, and W. Winarsih, “Implementasi Deep Learning untuk Sistem Keamanan Data Pribadi Menggunakan Pengenalan Wajah dengan Metode Eigenface Berbasis Android,” *J. JTIK (Jurnal Teknol. Inf. dan Komunikasi)*, vol. 4, no. 2, p. 89, 2021, doi: 10.35870/jtik.v5i1.201.
- [32] V. M. P. Salawazo, D. P. J. Gea, R. F. Gea, and F. Azmi, “Implementasi Metode Convolutional Neural Network (CNN) Pada Penegangan Objek Video Cctv,” *J. Mantik Penusa*, vol. 3, no. 1, pp. 74–79, 2019.
- [33] A. Santoso and G. Ariyanto, “Implementasi Deep Learning Berbasis Keras Untuk Pengenalan Wajah,” *Emit. J. Tek. Elektro*, vol. 18, no. 01, pp. 15–21, 2018, doi: 10.23917/emitor.v18i01.6235.
- [34] “Anh H. Reynolds.” [Online]. Available: <https://anhreynolds.com/blogs/cnn.html>.
- [35] H. Yingge, I. Ali, and K. Y. Lee, “Deep neural networks on chip - A survey,” *Proc. - 2020 IEEE Int. Conf. Big Data Smart Comput. BigComp 2020*, no. August, pp. 589–592, 2020, doi: 10.1109/BigComp48618.2020.00016.

- [36] G. Wicaksono, S. Andryana, and B. -, “Aplikasi Pendeteksi Penyakit Pada Daun Tanaman Apel Dengan Metode Convolutional Neural Network,” *JOINTECS (Journal Inf. Technol. Comput. Sci.*, vol. 5, no. 1, p. 9, 2020, doi: 10.31328/jointecs.v5i1.1221.
- [37] Y. Yohannes, S. Devella, and K. Arianto, “Deteksi Penyakit Malaria Menggunakan Convolutional Neural Network Berbasis Saliency,” *JUITA J. Inform.*, vol. 8, no. 1, p. 37, 2020, doi: 10.30595/juita.v8i1.6671.
- [38] Q. Xiang, G. Zhang, X. Wang, J. Lai, R. Li, and Q. Hu, “Fruit image classification based on Mobilenetv2 with transfer learning technique,” *ACM Int. Conf. Proceeding Ser.*, 2019, doi: 10.1145/3331453.3361658.
- [39] F. D. Adhinata, D. P. Rakhmadani, M. Wibowo, and A. Jayadi, “A Deep Learning Using DenseNet201 to Detect Masked or Non-masked Face,” vol. 9, no. 1, pp. 115–121, 2021.
- [40] R. D. Ramadhani, A. Nur Aziz Thohari, C. Kartiko, A. Junaidi, T. Ginanjar Laksana, and N. Alim Setya Nugraha, “Implementation of Deep Learning for Organic and Anorganic Waste Classification on Android Mobile,” vol. 208, no. Icist 2020, pp. 75–79, 2021.
- [41] K. H. Mahmud, Adiwijaya, and S. Al Faraby, “Klasifikasi Citra Multi-Kelas Menggunakan Convolutional Neural Network,” *e-Proceeding Eng.*, vol. 6, no. 1, pp. 2127–2136, 2019.
- [42] S. L. Rabano, M. K. Cabatuan, E. Sybingco, E. P. Dadios, and E. J. Calilung, “Common garbage classification using mobilenet,” *2018 IEEE 10th Int. Conf. Humanoid, Nanotechnology, Inf. Technol. Commun. Control. Environ. Manag. HNICEM 2018*, pp. 1–4, 2018, doi: 10.1109/HNICEM.2018.8666300.
- [43] K. Setyo Nugroho, “Confusion Matrix untuk Evaluasi Model pada Supervised Learning | by Kuncahyo Setyo Nugroho | Medium,” *Medium*. pp. 1–14, 2019, [Online]. Available: <https://medium.com/@ksnugroho/confusion-matrix-untuk-evaluasi-model-pada-unsupervised-machine-learning-bc4b1ae9ae3f>.
- [44] S. Setiawan, “Membicarakan Precision, Recall, dan F1-Score | by Stevanus

- Setiawan | Medium,” *Medium*. 2020, [Online]. Available: <https://stevkarta.medium.com/membicarakan-precision-recall-dan-f1-score-e96d81910354>.
- [45] A. G. Howard *et al.*, “MobileNets: Efficient Convolutional Neural Networks for Mobile Vision Applications,” 2017, [Online]. Available: <http://arxiv.org/abs/1704.04861>.
- [46] H. F. Jessar, A. T. Wibowo, and E. Rachmawati, “Klasifikasi Genus Tanaman Sukulen Menggunakan Convolutional Neural Network,” *e-Proceeding Eng.*, vol. 8, no. 2, pp. 3180–3196, 2021.
- [47] N. H. A.E. and M. I. Zul, “Aplikasi Penerjemah Bahasa Isyarat Indonesia Menjadi Suara Berbasis Android Menggunakan Tensorflow,” *J. Komput. Terap.*, vol. 7, no. 1, pp. 74–83, 2021.
- [48] R. P. Kawiswara and F. Thalib, “Implementasi Algoritma Convolutional Neural Network Pada Algoritma K-Means Untuk Kategorisasi Data Teks,” *J. Teknol.*, vol. 7, no. 2, pp. 151–162, 2020, doi: 10.31479/jtek.v7i2.48.
- [49] D. P. Kingma and J. L. Ba, “ADAM: A METHOD FOR STOCHASTIC OPTIMIZATION,” pp. 1–15, 2015.