

## DAFTAR PUSTAKA

- [1] E. Xi, “Image Classification and Recognition Based on Deep Learning and Random Forest Algorithm,” *Wirel Commun Mob Comput*, 2022, doi: 10.1155/2022/2013181.
- [2] Open Data Jabar, “Jumlah kasus penyakit pneumonia berdasarkan kabupaten/kota di jawa barat.” Accessed: Jul. 01, 2023. [Online]. Available: <https://opendata.jabarprov.go.id/id/dataset/jumlah-kasus-penyakit-pneumonia-berdasarkan-kabupatenkota-di-jawa-barat>
- [3] World Health Organization, “Pneumonia—world health organization,” WHO. Accessed: Jul. 01, 2023. [Online]. Available: <https://www.who.int/news-room/fact-sheets/detail/pneumonia>
- [4] A. U. Ibrahim, M. Ozsoz, S. Serte, F. Al-Turjman, and P. S. Yakoi, “Pneumonia Classification using Deep Learning from Chest-X-Ray Imaes During COVID-19,” *Cognit Comput*, vol. 4, pp. 1–13, 2021, doi: 10.1007/s12559-020-09787-5.
- [5] T. R. Saputro and B. Santoso, “Implementasi Convolutional Neural Network Pada Penyakit Pneumonia (Studi Kasus : Dinas Kesehatan Kota Tangerang Selatan),” *OKTAL : Jurnal Ilmu Komputer dan Science*, vol. 2, no. 3, pp. 1007–1013, 2023, doi: 10.33479/sb.v2i1.125.
- [6] J. Yopento, E. Ernawati, and F. F. Coastera, “Identifikasi Pneumonia pada Citra X-Ray Paru-Paru Menggunakan Metode Convolutional Neural Network (CNN) Berdasarkan Ekstraksi Fitur Sobel,” *Rekursif: Jurnal Informatika*, vol. 10, no. 1, pp. 40–47, 2022, doi: 10.33369/rekursif.v10i1.17247.
- [7] R. R. E. Prasetyo and M. Ichwan, “Perbandingan Metode Deep Residual Network 50 dan Deep Residual Network 152 untuk Deteksi Penyakit Pneumonia pada Manusia,” *MIND (Multimedia Artificial Intelligent Networking Database) Journal*, vol. 6, no. 2, pp. 168–182, 2021, doi: 10.26760/mindjournal.v6i2.168-182.
- [8] Y. S. Chowdhury, R. Dasgupta, and S. Nanda, “Analysis of various optimizer on cnn model in the application of pneumonia detection,” *3rd International Conference on Signal Processing and Communication (ICPSC)*, pp. 417–421, 2021, doi: 10.1109/ICSPC51351.2021.9451768.
- [9] T. Karnkawinpong and Y. Limpiyakorn, “Classification of pulmonary tuberculosis lesion with convolutional neural networks,” *Journal of Physics: Conference Series*, vol. 1195, no. 1, 2019, doi: 10.1088/1742-6596/1195/1/012007.
- [10] A. Muhammad, A. Firzal, and S. W. Agung, “Deteksi Pneumonia Menggunakan Citra Sinar X-ray Paru Berbasis Residual Network,” *Jurnal Teknologi Informasi dan Ilmu Komputer*, vol. 9, Apr. 2018.

- [11] J. Razky, S. Rini, and E. P. W. Mandala, “Sistem Pakar Diagnosa Penyakit Pneumonia pada Anak Menggunakan Metode Case Based Reasoning,” eminar Nasional Teknologi Komputer & Sains (SAINTEKS), vol. 1, no. 1, 2019.
- [12] Paul Mooney, “Chest X-Ray Images (Pneumonia),” <https://www.kaggle.com/datasets/paultimothymooney/chest-xray-pneumonia>.
- [13] D. I. Lesmana, “Sistem Pakar Mendiagnosa Penyakit Pneumonia dengan Penelusuran Forward Chaining Menggunakan Metode Certainty Factor,” Pelita Informatika: Informasi dan Informatika, vol. 5, no. 3, 2020.
- [14] S. N. Mashita, “Deep Learning Object Detection Pada Video Menggunakan Tensorflow Dan Convolutional Neural Network,” Universitas Islam Indonesia, 2018.
- [15] A. Wahyudi, “Sistem Pendekripsi Boraks ( $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10 \text{ H}_2\text{O}$ ) Pada Bakso Daging Sapi Berdasarkan Image Dengan Menggunakan Metode Jaringan Saraf Tiruan Lvq (Learning Vector Quantization),” Universitas Islam Negeri Maulana Malik Ibrahim, 2016.
- [16] T. F. Kusumaningrum, “Implementasi Convolution Neural Network (CNN) untuk Klasifikasi Jamur Konsumsi di Indonesia Menggunakan Keras,” Universitas Islam Indonesia, 2018.
- [17] A. Peryanto, A. Yudhana, and D. R. Umar, “Rancang Bangun Klasifikasi Citra Dengan Teknologi Deep Learning Berbasis Metode Convolutional Neural Network,” 2019. [Online]. Available: <https://www.mathworks.com/discovery/convolutional-neural-network.html>
- [18] S. Sakib, A., A. Jawad, K., and H. Ahmed, “An Overview of Convolutional Neural Network: Its Architecture and Applications,” 2018, doi: 10.20944/preprints201811.0546.v1.
- [19] A. Ghosh, A. Sufian, F. Sultana, A. Chakrabarti, and D. De, “Fundamental concepts of convolutional neural network,” in Intelligent Systems Reference Library, vol. 172, Springer, 2019, pp. 519–567. doi: 10.1007/978-3-030-32644-9\_36.
- [20] A. Mao, M. Mohri, and Y. Zhong, “Cross-Entropy Loss Functions: Theoretical Analysis and Applications,” Apr. 2023, [Online]. Available: <http://arxiv.org/abs/2304.07288>
- [21] A. N. and, Dr. H. S. M. Sc. and, R. D. S. T. Saputra, “Rancang Bangun Aplikasi Pembelajaran Hadis untuk Perangkat Mobile Berbasis Android,” Jurnal Informatika, vol. 8, no. 2, p. 14, 2014.
- [22] R. Novita Wardhani and M. Kartika Delimayanti, “Analisis Penerapan Metode Konvolusi Untuk Untuk Reduksi Derau Pada Citra Digital,” Politeknologi, vol. 10, no. 2, 2011.

- [23] Falentino Sembiring, Belajar Pemrograman Python Dasar. Bandung: Nusa Putra Press, 2021, 2013.
- [24] M. A. Pamungkas, Buku Panduan Pemrograman Python. Pemalang: Dinas Pemberdayaan Masyarakat Dan Pemerintahan Desa, 2017.
- [25] Hendri, Cepat Mahir Python. IlmuKomputer.com, 2003.