

DAFTAR PUSTAKA

- [1] M. Dierssen, M. Fructuoso, M. Martínez De Lagrán, M. Perluigi, and E. Barone, “*Down syndrome* Is a Metabolic Disease: Altered Insulin Signaling Mediates Peripheral and Brain Dysfunctions,” *Front. Neurosci.*, vol. 14, p. 670, Jul. 2020, doi: 10.3389/fnins.2020.00670.
- [2] S. Urohmah and Y. Firda Nadhirah, “Memahami Anak Down Syndrom di SKH Negeri 1 Kota Serang,” *J. Ilm. PGSD FKIP Univ. Mandiri*, vol. 10 No. 4, no. 477–5673, p. 11, Desember 2024.
- [3] Imam Fathurrahman, Mahpuz, Muhammad Djamiluddin, Lalu Kerta Wijaya, and Ida Wahidah, “Pengembangan Model Convolutional Neural Network (CNN) untuk Klasifikasi Penyakit Kulit Berbasis Citra Digital,” *Infotek J. Inform. Dan Teknol.*, vol. 8, no. 1, pp. 298–308, Jan. 2025, doi: 10.29408/jit.v8i1.28655
- [4] Lola, “PERANCANGAN IDENTIFIKASI WAJAH PENGIDAP DOWN SYNDROME MENGGUNAKAN MODEL CNN,” *J. Ismetek*, vol. 16 No. 1, p. 5, Desember Tahun 2023.
- [5] A. Tjahjo Nugroho, Y. Wulandari, and B. Eko Cahyono, “Klasifikasi *Down syndrome* Menggunakan Tekstur LBP dengan Tiga Variasi Distance Classifiers _ Nugroho _ STRING (Satuan Tulisan Riset dan Inovasi Teknologi),” *STRING Satuan Tulisan Ris. Dan Inov. Teknol.*, vol. 7 No. 1, p. Agustus 2022.
- [6] M. Dierssen, M. Fructuoso, M. Martínez De Lagrán, M. Perluigi, and E. Barone, “*Down syndrome* Is a Metabolic Disease: Altered Insulin Signaling Mediates Peripheral and Brain Dysfunctions,” *Front. Neurosci.*, vol. 14, p. 670, Jul. 2020, doi: 10.3389/fnins.2020.00670
- [7] F. A. Lestari and L. I. Mariyati, “Resiliensi Ibu Yang Memiliki Anak *Down syndrome* Di Sidoarjo,” *Psikologia J. Psikol.*, vol. 3, no. 1, p. 141, Mar. 2016, doi: 10.21070/psikologia.v3i1.118.
- [8] E. Zevanya, “Sindrom Down: Skrining, Diagnosis, dan Konsekuensi Kesehatan,” *Cermin Dunia Kedokteran*, vol. 52, no. 2. 2025
- [9] I. Winarni, “Critical issue in the identification of *Down syndrome* and its

- problems in Central Java, Indonesia: The fact of needing health care and better management," *Intractable & Rare Diseases Research*, vol. 13, no. 2, pp. 121–125, 2024
- [10] R. V. Talumepa, D. A. Putra, and H. Soetanto, "Sistem Presensi Pendekripsi Wajah menggunakan Metode Modified Region Convolutional Neural Network dan PCA," *Edumatic J. Pendidik. Inform.*, vol. 8, no. 1, pp. 46–55, Jun. 2024, doi: 10.29408/edumatic.v8i1.25207
- [11] J. K S and D. S. David, "A Novel Based 3d Facial Expression Detection Using Recurrent Neural Network," *Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol.*, pp. 48–53, Mar. 2020, doi: 10.32628/CSEIT20622.
- [12] S. Budiarti, "KLASIFIKASI WAJAH ANAK - ANAK DOWN SYNDROME MELALUI CITRA WAJAH MENGGUNAKAN ALGORITMA PROBABILISTIC NEURAL NETWORK (PNN) SKRIPSI".
- [13] E. Setyati, S. Az, S. P. Hudiono, and F. Kurniawan, "CNN based Face Recognition System for Patients with Down and William Syndrome," *Knowledge Engineering and Data Science (KEDS)*, vol. 4, no. 2, pp. 138–144, Dec. 2021.
- [14] T. R. S. Uwar and C. S. K. Aditya, "Implementasi Transfer Learning pada Convolutional Neural Network dengan Arsitektur VGG dalam Klasifikasi Down Syndrome di Asia," *Building of Informatics, Technology and Science (BITS)*, vol. 7, no. 1, pp. 21–31, Jun. 2025
- [15] H. M. Metavia and R. Widyan, "Pengaruh *Down syndrome* terhadap Perkembangan Akademik Anak di Indonesia," *J. Wacana Kesehat.*, vol. 7, no. 2, p. 54, Dec. 2022, doi: 10.52822/jwk.v7i1.403
- [16] Irwanto, H. Wicaksono, A. Ariefa, and S. Mariana Samosir, *A -Z Sindrom Down*. Universitas Airlangga, 2019
- [17] I. Septian and H. Septanto, "Pengembangan Model Pendekripsi Gambar Alat Musik dengan Metode Faster R-CNN dengan Library Keras," vol. 8, no. 1, 2022.
- [18] J. Gu *et al.*, "Recent Advances in Convolutional Neural Networks," Oct. 19, 2017, *arXiv*: arXiv:1512.07108. doi: 10.48550/arXiv.1512.07108.

- [19] I. D. Mienye, T. G. Swart, and G. Obaido, “Recurrent Neural Networks: A Comprehensive Review of Architectures, Variants, and Applications,” Aug. 12, 2024, *Computer Science and Mathematics*. doi: 10.20944/preprints202408.0748.v1.
- [20] A. Putri *et al.*, “Komparasi Algoritma K-NN, Naive Bayes dan SVM untuk Prediksi Kelulusan Mahasiswa Tingkat Akhir: Comparison of K-NN, Naive Bayes and SVM Algorithms for Final-Year Student Graduation Prediction,” *MALCOM Indones. J. Mach. Learn. Comput. Sci.*, vol. 3, no. 1, pp. 20–26, May 2023, doi: 10.57152/malcom.v3i1.610.
- [21] F. Baharuddin and A. Tjahyanto, “Peningkatan Performa Klasifikasi Machine Learning Melalui Perbandingan Metode Machine Learning dan Peningkatan Dataset,” *J. Sisfokom Sist. Inf. Dan Komput.*, vol. 11, no. 1, pp. 25–31, Mar. 2022, doi: 10.32736/sisfokom.v11i1.1337
- [22] S. Swaminathan and B. R. Tantri, “Confusion Matrix-Based Performance Evaluation Metrics,” *African Journal of Biomedical Research*, vol. 27, no. 4s, pp., 2024