

DAFTAR PUSTAKA

- [1] Kemenkes, "Kasus TBC Tinggi Karena Perbaikan Sistem Deteksi dan Pelaporan," Sehat Negeriku, 29 January 2024. [Online]. Available: <https://sehatnegeriku.kemkes.go.id/baca/rilis-media/20240129/2644877/kasus-tbc-tinggi-karena-perbaikan-sistem-deteksi-dan-pelaporan/>. [Accessed 24 October 2024].
- [2] Kemenkes, "Tahun ini, Kemenkes Rencanakan Skrining TBC Besar-besaran," Sehat Negeriku, 22 March 2022. [Online]. Available: <https://sehatnegeriku.kemkes.go.id/baca/rilis-media/20220322/4239560/tahun-ini-kemenkes-rencanakan-skrining-tbc-besar-besaran/>. [Accessed 24 October 2024].
- [3] S. Bahri, R. Wajhillah and M. F. Aldiwisastra, "Diagnosa Tuberculosis Paru Berbasis Citra X-ray Menggunakan Convolutional Neural Network," *IJCIT (Indonesian Journal on Computer and Information Technology)*, vol. 6, no. 2, pp. 181-186, 2021.
- [4] O. F. Soedradjat, *Deteksi Gangguan Paru-Paru Berbasis Citra X-Ray Menggunakan Deep Learning*, Bandung: Universitas Telkom, 2022.
- [5] I. H. W, D. J. M.Si, and D. A. R. S.T., M.T., "Klasifikasi Suara Paru-Paru Menggunakan Convolutional Neural Network (CNN)," *e-Proceeding Engineering*, vol. 8, no. 2, p. 3218, 2021.
- [6] D. S. Soeis Marzaini, "Radioterapi Untuk Kanker Paru," Perhimpunan Onkologi Indonesia DKI Jakarta, 8 Maret 2021. [Online]. Available: <https://pojaya.org/2021/03/08/radioterapi-untuk-kanker-paru/>. [Accessed 27 Oktober 2024].
- [7] S. Aulia and S. Hadiyoso, "Tuberculosis Detection in X-Ray Image Using Deep Learning Approach with VGG-16 Architecture," *Jurnal Ilmiah Teknik Elektro Komputer dan Informatika (JITEKI)*, vol. 8, no. 2, pp. 290-297, 2022.
- [8] M. S. Ahmed and A. Rahman, "Joint Diagnosis of Pneumonia, COVID-19, and Tuberculosis from Chest X-ray Images: A Deep Learning Approach," *National Library of Medicine*, vol. 13, no. 15, 2023.
- [9] E. B. B. Y. S. D. B. Fathiyah Isbaniah, "Pedoman Diagnosis Dan Penatalaksanaan Di Indonesia," in *Tuberkulosis*, Jakarta, Perhimpunan Dokter Paru Indonesia, 2024, p. 1.
- [10] G. K. Sari, S. and T. Setyawati, "Tuberkulosis Paru Post Wodec Pleural Efusion: Laporan Kasus Pulmonary Tuberculosis Post Wodec Pleural Effusion: Case Report," *Jurnal Medical Profession (MedPro)*, vol. 4, no. 2, 2022.

- [11] j. "Chest X-Ray (Pneumonia, Covid-19,Tuerculosis)," Kaggle, 2021. [Online]. Available: <https://www.kaggle.com/datasets/jtiptj/chest-xray-pneumoniacovid19tuberculosis/code>. [Accessed 19 Mei 2025].
- [12] "Tuberculosis," Interventional Pulmonology & Lung Clinic, [Online]. Available: <https://iplungclinic.com/id/condition/tuberkulosis/>. [Accessed 1 November 2024].
- [13] B. Nortajulu, S. and D. Hermawan, "Faktor-Fakrtor Yang Berhubungan Dengan Kesembuhan TB Paru," *Jurnal Penelitian Perawat Profesional*, vol. 4, no. 4, pp. 1206-1216, 2022.
- [14] L. N. Suci, "Pendekatan diagnosis dan Tata Laksana Pneumonia pada Anak," *Jurnal Kedokteran Nanggroe Medika*, vol. 3, no. 1, 2020.
- [15] A. S. Ramelina and R. Sari, "Pneumonia Pada Perempuan Usia 56 Tahun : Laporan Kasus," *Proceeding of The 15th Continuing Medical Education*, 2022.
- [16] A. A. Wahyudi, Sistem Deteksi Penyakit Tuberkulosis Berbasis Chest Xray Menggunakan Metode Convolutional Neural Network Pada Platform Android, Semarang: Universitas Islam Sultan Agung, 2024.
- [17] D. Suharman and F. A. Hermawati, "Sistem Diagnosa Penyakit TBC Berdasarkan Gambar X-Ray Dengan Dense Convolutional Network (DENSENET)," *Prosiding Senakama*, vol. 1, 2022.
- [18] R. Das, "Histogram Equalization CLAHE Alghorithm," Medium, 14 Juli 2020. [Online]. Available: <https://medium.com/imagecraft/histogram-equalization-clahe-algorithm-8841d402fc76>. [Accessed 3 Juli 2025].
- [19] M. F. R. Auliya, Deteksi Objek Pada Citra Radiologi untuk Mendeteksi Penyakit TBC Menggunakan Metode YOLO V5, Lampung Selatan: Institut Teknologi Sumatera, 2024.
- [20] J. Pardede and H. Hardiansah, "Deteksi Objek Kereta Api menggunakan Metode Faster R-CNN dengan Arsitektur VGG 16," *Multimedia Artificial Intelligent Networking Database Journal*, vol. 7, no. 1, pp. 21-36, 2022.
- [21] I. Syarifuddin and H. S. Pramono, "Pengembangan Aplikasi Pendeteksi Objek Bersegi Menggunakan Metode Contour Sebagai Media Pembelajaran Penginderaan Visual Robot," *Program Studi Pendidikan Teknik Mekatronika*, vol. 9, no. 1, pp. 85-93, 2019.
- [22] R. M. Yusup, A. F. Anugrah, D. D. Muslimah, S. M. W. Ningrum Permana and S. Yuliani, "Pendeteksian Objek Menggunakan OPENCV dan Metode YOLOv4-Tiny Untuk Membantu Tunanetra," *Journal of Computrt Science and Information Technology (JCSIT)*, vol. 1, no. 2, 2024.

- [23] T. Wahyudi, "Studi Kasus Pengembangan dan Penggunaan Artificial Intelligence (AI) sebagai Penunjang Kegiatan Masyarakat Indonesia," *Indonesia Journal on Software Engineering (IJSE)*, vol. 9, no. 1, pp. 28-32, 2022.
- [24] N. Wakidah, P. T. Pungkasanti and A. P. Ristadi Pinem, "Deteksi Objek Menggunakan Deep Learning untuk Mengetahui Tingkat Kerumunan Mahasiswa," *JEPIN (Jurnal Edukasi dan Penelitian Informatika)*, vol. 9, no. 3, 2023.
- [25] N. P. Ekananda and D. Rimirasih, "Identifikasi Penyakit Penumonia Berdasarkan Citra Chest X-Ray Menggunakan Convolutional Neural Network," *Jurnal Ilmiah Informatika Komputer*, vol. 27, no. 1, 2022.
- [26] A. B. Prakosa, H. and R. Tanone, "Implementasi Model Deep Learning Convolutional Neural Network (CNN) Pada Citra Penyakit Daun Jagung Untuk Klasifikasi Penyakit Tanaman," *Jurnal Pendidikan Teknologi Informasi (JUKANTI)*, vol. 6, no. 1, 2023.
- [27] R. M. Akbar, F. Rizal and W. J. Shudiq, "Implementasi Algoritma Convolutional Neural Network (CNN) untuk Deteksi Kesegaran Telur Berbasis Android," *Jurnal Sistem Komputer Musi Rawas*, vol. 8, no. 1, 2023.
- [28] Azeem, "Understanding ResNet Architecture: A Deep Dive into Residual Neural Network," Medium, 14 November 2023. [Online]. Available: <https://medium.com/@ibtedaazeem/understanding-resnet-architecture-a-deep-dive-into-residual-neural-network-2c792e6537a9>. [Accessed 29 May 2025].
- [29] F. A. Mukhrodi, I. Fibriani, K. Anam and A. R. Chaidir, "Sistem Verifikasi Kekerabatan berbasis 3D ResNet-18 menggunakan Jetson Nano," *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, 7 Teknik Elektronika*, vol. 11, no. 4, pp. 919-932, 2023.
- [30] N. Kundu, "Exploring ResNet50: An in-Depth Look at the Model Architecture and Code Implementation," Medium, 23 Januari 2023. [Online]. Available: <https://medium.com/@nitishkundu1993/exploring-resnet50-an-in-depth-look-at-the-model-architecture-and-code-implementation-d8d8fa67e46f>. [Accessed 29 Mei 2025].
- [31] A. A. Rasjid, B. Rahmat and A. N. Sihananto, "Implementasi YOLOv8 Pada Robot Deteksi Objek," *Journal of Technology and System Information*, vol. 1, no. 3, pp. 1-9, 2024.
- [32] S. Bhomik, S. and S. , "Mastering All YOLO Models form YOLOv1 to YOLOv12," LearnOpenCV, 16 April 2024. [Online]. Available: <https://learnopencv.com/mastering-all-yolo-models/>. [Accessed 19 Juni 2025].

- [33] J. R. Terven and D. C.-E. M, "A Comprehensive Review of YOLO Architecture In Computer Vision: From YOLOv1 to YOLOv8 and YOLO-NAS," *Machine Learning And Knowledge Extraction*, vol. 6, no. 2, pp. 230-268, 2024.
- [34] "YOLOv12," Roboflow, 18 Februari 2025. [Online]. Available: <https://roboflow.com/model/yolov12>. [Accessed 19 Juni 2025].
- [35] P. L. Romadloni, B. A. Kusuma and W. M. Baihaqi, "Komparasi Metode Pembelajaran Mesin Untuk Implementasi Pengambilan Keputusan Dalam Menentukan Promosi Jabatan Karyawan," *JATI (Jurnal Mahasiswa Teknik Informatika)*, vol. 6, no. 2, 2022.
- [36] K. S. Nugroho, "Confusion Matrix untuk Evaluasi Model pada Supervised Learning," Medium.com, 13 November 2019. [Online]. Available: <https://ksnugroho.medium.com/confusion-matrix-untuk-evaluasi-model-pada-unsupervised-machine-learning-bc4b1ae9ae3f>. [Accessed 12 Desember 2024].
- [37] "Mean Average Precision (mAP)," Ultralytics, [Online]. Available: <https://www.ultralytics.com/glossary/mean-average-precision-map?>. [Accessed 2 Juli 2025].
- [38] M. L. Fadilah, Implementasi Fine-Tuning YOLOV8 Menggunakan Metode One Factor At A Time (OFAT) Untuk Mendeteksi Jamur Beracun, Purwokerto: OpenLibrary Universitas Telkom, 2025.
- [39] O. O. A, A. O. A and A. S. O, "Efficient Tuberculosis Detection Using Chest X-ray Images with Deep Learning Algorithms," *Journal of Science and Logics in ICT Research*, vol. 12, no. 2, 2024.
- [40] H. Chen, W. Gu and H. Zhang, "Research on Improved YOLOv8s model for detecting mycobacterium tuberculosis," *Heliyon*, vol. 10.
- [41] "Predictive Analysis of Tuberculosis Detetction with X-Ray Images Using YOLOv8," *International Journal of Engineering Science and Advanced Technology (IJESAT)*, vol. 24, no. 5, pp. 575-581, 2024.
- [42] "YOLOv8's Advancements in Tuberculosis Identification form Chest Images," *Frontiers in Big Data*, vol. 7, 2024.