

DAFTAR PUSTAKA

- [1] Presiden RI, “Undang-Undang Republik Indonesia Tentang Kesehatan (Nomor 17 Tahun 2023),” *Undang-Undang*, pp. 1–300, 2023.
- [2] W. K. L. P. Aceh, “Peraturan Wali Kota Lhokseumawe Tentang Kawasan Tanpa Rokok (Nomor 25 Tahun 2023 Pasal 1),” 2023. [Online]. Available: Lhokseumawe
- [3] Badan Pusat Statistik Kabupaten Brebes, “Volume 15, 2024,” *Stat. Drh. Kabupaten Brebes 2024*, vol. 15, no. Stat. Drh. Kabupaten Brebes 2024, 2024.
- [4] B. P. dan P. K. Kementerian Kesehatan RI, “Laporan Nasional Riskesdas 2018,” 2018.
- [5] A. K. Umaroh, “Implementasi Kebijakan Kawasan Tanpa Rokok (KTR),” *J. Kesehat. Glob.*, vol. 8, no. 2, pp. 78–89, 2025, doi: 10.33085/jkg.v8i2.6350.
- [6] M. Wahyuni, “Implementasi Kebijakan Kawasan Tanpa Rokok (KTR) di Kota Lhokseumawe,” 2018. [Online]. Available: Universitas Malikussaleh
- [7] N. Nim *et al.*, “DISERTASI PENGEMBANGAN MODEL SUPPORT VECTOR MACHINE (SVM) DAN GEOSPATIAL ARTIFICIAL INTELLIGENCE (GEOAI) UNTUK PREDIKSI WILAYAH,” 2025.
- [8] R. Khanam and M. Hussain, “YOLOv11: An Overview of the Key Architectural Enhancements,” vol. 2024, pp. 1–9, 2024, [Online]. Available: <http://arxiv.org/abs/2410.17725>
- [9] I. W. Candra, I. N. Sumirta, and N. L. G. A. K. Dewi, “PERBEDAAN TINGKAT KEPATUHAN TERHADAP KEBIJAKAN KAWASAN TANPA ROKOK (KTR) PADA PEGAWAI DI LINGKUNGAN KANTOR BAPPEDA DENGAN KANTOR PERTANIAN,” *J. Peduli Masy.*, vol. 6, no. Desember, pp. 2157–2166, 2024, [Online]. Available:

<https://jurnal.globalhealthsciencegroup.com/index.php/JPM/article/view/2494>

- [10] P. A. Ayu Mahrani, Tahara Dilla Santi, “FAKTOR - FAKTOR YANG BERHUBUNGAN DENGAN KEPATUHAN MAHASISWA UNTUK TIDAK MEROKOK DI KAWASAN TANPA ROKOK (KTR) UNIVERSITAS MUHAMMADIYAH ACEH,” *J. Kesehat. Tambusai*, vol. 5, no. September, pp. 8868–8878, 2024, [Online]. Available: <https://journal.universitaspahlawan.ac.id/index.php/jkt/article/view/32999>
- [11] N. R. Sulake, “YOLOv11 Demystified: A Practical Guide to High-Performance Object Detection,” pp. 1–12, 2026, [Online]. Available: <http://arxiv.org/abs/2604.03349>
- [12] Q. Liu, X. Wan, Y. Sheng, S. Wang, and B. Wei, “GCEA-YOLO: An Enhanced YOLOv11-Based Network for Smoking Behavior Detection in Oilfield Operation Areas,” *Sensors*, vol. 26, no. 1, pp. 1–23, 2026, doi: 10.3390/s26010103.
- [13] Z. Xue, L. Kong, H. Wu, and J. Chen, “Fire and Smoke Detection Based on Improved YOLOV11,” *IEEE Access*, vol. 13, pp. 73022–73040, 2025, doi: 10.1109/ACCESS.2025.3564434.
- [14] J. Zhang and C. Jiang, “DAHD-YOLO: A New High Robustness and Real-Time Method for Smoking Detection †,” *Sensors*, vol. 25, no. 5, pp. 1–22, 2025, doi: 10.3390/s25051433.
- [15] Salsabilla Azahra Putri, Murinto, and Sunardi, “Detecting Smoking Activity Behavior using YOLOv8 and YOLOv11,” *INOVTEK Polbeng - Seri Inform.*, vol. 10, no. 2, pp. 1154–1163, 2025, doi: 10.35314/0q6grf14.
- [16] M. I. Gojali and E. L. Tjiong, “Pengembangan Aplikasi Deteksi Objek Rokok Dan Kegiatan Merokok Menggunakan Algoritma YOLOv3,” *KALBISCIENTIA J. Sains dan Teknol.*, vol. 10, no. 02, pp. 201–208, 2023, doi: 10.53008/kalbiscientia.v10i02.3108.

- [17] N. English *et al.*, “Image processing for public health surveillance of tobacco point-of-sale advertising: Machine learning-based methodology,” *J. Med. Internet Res.*, vol. 23, no. 8, pp. 1–13, 2021, doi: 10.2196/24408.
- [18] Z. Wang, L. Lei, and P. Shi, “Smoking behavior detection algorithm based on YOLOv8-MNC,” *Front. Comput. Neurosci.*, vol. 17, no. August, pp. 1–14, 2023, doi: 10.3389/fncom.2023.1243779.
- [19] C. Vieri, D. Prasetyo, and A. Febriyani, “Integration of Google Maps with the YOLO Method for Urban Greening Monitoring,” vol. 11, no. 1, pp. 1–11, 2026.
- [20] K. & Kemendagri, “Peraturan Bersama Menteri Kesehatan dan Menteri Dalam Negeri Nomor 7 Tahun 2011,” 2011.
- [21] WHO, “Konvensi Mengenai Kerangka Kerja Pengendalian Tembakau,” *World Heal. Organ.*, p. 59, 2013.
- [22] Presiden Republik Indonesia, “Undang-Undang Republik Indonesia Nomor 36 Tentang Kesehatan,” *Vasa*, vol. 19, no. 19, pp. 1–33, 2009, doi: 10.1017/CBO9781107415324.004.
- [23] S. Pakan, “Petunjuk Teknis,” pp. 978–979, 2007.
- [24] Provinsi Aceh, “Qanun_Aceh No 4 Tahun_2020_KTR_,” 2020.
- [25] “FGD: Urgensi Regulasi KTR Kota Lhokseumawe dalam Pemenuhan Kesehatan Masyarakat | The Aceh Institute.” Accessed: Nov. 01, 2025. [Online]. Available: https://acehinstitute.org/tobacco-post/fgd-urgensi-regulasi-ktr-kota-lhokseumawe-dalam-pemenuhan-kesehatan-masyarakat.html?utm_source=chatgpt.com
- [26] W. Khairi, “Implementasi Qanun Aceh Nomor 4 Tahun 2020 tentang Kawasan Tanpa Rokok (Studi di Pelabuhan Ulee Lheue Banda Aceh),” 2024. [Online]. Available: <https://repository.ar-raniry.ac.id/id/eprint/38892/>
- [27] K. Pengantar, “buku profil daerah”.

- [28] “Lhokseumawe.” Accessed: Dec. 13, 2025. [Online]. Available: <https://jdih.lhokseumawekota.go.id/news/page/gambaran-umum>
- [29] M. Chaizir, D. Abdullah, and M. Daud, “The Development of a Laundry Location Tracking Application Model Based on Artificial Intelligence and Mobile Computing,” *J. Ind. Eng. Manag.*, vol. 1, no. 1, pp. 49–60, 2023, doi: 10.52088/jaiem.v1i1.13.
- [30] N. T. S. Saptadi *et al.*, *Deep Learning Teori, Algoritma, dan Aplikasi*, no. March. 2025. [Online]. Available: <https://repository.sadapenerbit.com/index.php/books/catalog/book/214>
- [31] E. Naf’an, F. Islami, and G. Gushelmi, *Dasar-dasar Deep Learning dan Contoh Aplikasinya*. 2022. [Online]. Available: <http://repository.upiypk.ac.id/9683/1/Buku%2B1%2BDasar-Dasar%2BDeep%2BLearning.pdf>
- [32] I. Cholissodin and A. A. Soebroto, “AI , MACHINE LEARNING & DEEP LEARNING (Teori & Implementasi),” no. December, 2021.
- [33] D. Abdullah, “Optimal Sizing and Control of Microgrid-Integrated Renewable Energy Systems Using Deep Reinforcement Learning,” vol. 1, no. 2, pp. 10–17, 2025.
- [34] C. R. Gunawan, N. Nurdin, and F. Fajriana, “Deteksi Ikan Segar Secara Realtime dengan YOLOv4 menggunakan Metode Convolutional Neural Network,” *J. Komtika (Komputasi dan Inform.*, vol. 7, no. 1, pp. 1–11, 2023, doi: 10.31603/komtika.v7i1.8986.
- [35] N. Nurdin, “Klasifikasi Kecantikan Wanita Aceh Pada Citra Menggunakan Metode Adaptive Resonance Theory (ART1),” *TECHSI - J. Tek. Inform.*, vol. 8, no. 1, pp. 139–147, 2019, doi: 10.29103/techsi.v8i1.121.
- [36] Yanto, F. Aziz, and Irmawati, “7047-Article Text-26038-1-10-20231009 (1),”

JATI (Jurnal Mhs. Tek. Inform., vol. 7, no. 3, pp. 1–8, 2023.

- [37] A. Ilyana, N. Nurdin, and M. Maryana, “Real-Time Detection of Coffee Cherry Ripeness Using YOLOv11,” *J. Appl. Informatics Comput.*, vol. 9, no. 4, pp. 1170–1178, 2025, doi: 10.30871/jaic.v9i4.9735.
- [38] M. S. Hidayatulloh, “Sistem Pengenalan Wajah Menggunakan Metode Yolo (You Only Look Once),” *Univ. Med.*, pp. i–43, 2021.
- [39] C. Y. Wang, I. H. Yeh, and H. Y. Mark Liao, “YOLOv9: Learning What You Want to Learn Using Programmable Gradient Information,” *Lect. Notes Comput. Sci. (including Subser. Lect. Notes Artif. Intell. Lect. Notes Bioinformatics)* , vol. 15089 LNCS, pp. 1–21, 2025, doi: 10.1007/978-3-031-72751-1_1.
- [40] A. Wang *et al.*, “YOLOv10: Real-Time End-to-End Object Detection,” *Adv. Neural Inf. Process. Syst.*, vol. 37, no. NeurIPS, pp. 1–21, 2024, doi: 10.52202/079017-3429.
- [41] N. Masri *et al.*, “Survey of Rule-Based Systems,” vol. 3, no. 7, pp. 1–22, 2019.
- [42] P. J. F. Lucas and L. C. Van Der Gaag, “Principles of expert systems. Octopus View project Careful View project. Chapter 1,” pp. 242–247, 1991, [Online]. Available: <https://www.researchgate.net/publication/220694050>
- [43] K. Kraugusteeliana, H. A. Nasution, B. Triwahyono, M. Ikhwan, Z. Ardian, and A. Bintoro, “Aplikasi Pemilihan Lapangan Futsal Menggunakan Mobile-GIS dan GPS Dengan Metode Algoritma Dijkstra,” *J. Inf. dan Teknol.*, vol. 5, no. 4, pp. 59–66, 2023, doi: 10.60083/jidt.v5i4.417.
- [44] Z. A. Rohmah, “Dinamika Penyebaran Agama di Wilayah Urban Semarang : Analisis Spasial menggunakan Sistem Informasi Geografis,” vol. 1, no. 4, 2023.
- [45] “Indonesia Meluncurkan Inovasi Dashboard Kawasan Tanpa Rokok untuk Melindungi Kesehatan Masyarakat.” [Online]. Available: <https://www.who.int/indonesia/id/news/detail/18-07-2023-indonesia-launches->

innovative-smoke-free-area-dashboard-to-protect-public-health?utm_source=chatgpt.com

- [46] G. Sig and U. Analisis, “PENGEMBANGAN SISTEM INFORMASI,” vol. 7, pp. 4058–4068, 2024.
- [47] A. A. Rahman, S. D. Agustin, and N. U. R. Ibrahim, “Perbandingan Algoritma YOLOv4 dan Scaled YOLOv4 untuk Deteksi Objek pada Citra Termal,” vol. 7, no. 1, pp. 61–71, 2022.
- [48] C. Fauzi, *A Review Geospatial Artificial Intelligence (Geo-AI): Implementation of Machine Learning on Urban Planning*, vol. 2023, no. Ml. Atlantis Press International BV, 2024. doi: 10.2991/978-94-6463-364-1.
- [49] A. Bochkovskiy, C.-Y. Wang, and H.-Y. M. Liao, “YOLOv4: Optimal Speed and Accuracy of Object Detection,” 2020, [Online]. Available: <http://arxiv.org/abs/2004.10934>
- [50] Y. Zhu *et al.*, “An Improved Geospatial Object Detection Framework for Complex Urban and Environmental Remote Sensing Scenes,” *Appl. Sci.*, vol. 16, no. 3, pp. 1–17, 2026, doi: 10.3390/app16031288.
- [51] J. Terven, D. M. Córdova-Esparza, and J. A. Romero-González, “A Comprehensive Review of YOLO Architectures in Computer Vision: From YOLOv1 to YOLOv8 and YOLO-NAS,” *Mach. Learn. Knowl. Extr.*, vol. 5, no. 4, pp. 1680–1716, 2023, doi: 10.3390/make5040083.
- [52] “The Python Tutorial — Python 3.14.0 documentation.” Accessed: Nov. 07, 2025. [Online]. Available: <https://docs.python.org/3/tutorial/index.html>
- [53] A. R. Niehlah, A. Jufriansah, A. Khusnani, I. M. Fauzi, and T. P. Sari, “Penguatan Pendidikan sebagai Upaya untuk Meningkatkan Kemampuan Jasmani bagi Anak Pekerja Migran di Sanggar Bimbingan Malaysia,” *J. Ilm. Kampus Mengajar*, no. 3, pp. 105–122, 2023, doi: 10.56972/jikm.v3i2.127.

- [54] P. Weber and M. Haklay, "User-Generated street Maps," *October*, vol. 7, no. 4, pp. 12–18, 2008.
- [55] E. Kedua, "Menilai Kepatuhan terhadap Peraturan Kawasan Tanpa Rokok (KTR)," 2014.
- [56] Yahya and W. P. Hidayanti, "Penerapan Algoritma K-Nearest Neighbor Untuk Klasifikasi Efektivitas Penjualan Vape (Rokok El ektrik) pada ' Lombok Vape On ' Pendahuluan dihasilkan tidak stabil dan tidak mampu diprediksi Dari penelitian yang dilakukan , berusaha untuk mengklasifikasik," *J. Inform. dan Teknol.*, vol. 3, no. 2, pp. 104–114, 2020, [Online]. Available: https://e-journal.hamzanwadi.ac.id/index.php/infotek/article/view/2279/pdf_23