

Daftar Pustaka

- Abdullah, M. H., Ali, M. I. Bin, Kong, N. S. 2016. *Analysis For Wind Characteristic in Teluk Kalung, Kemaman, Terengganu. International Journal of Science, Environment and Technology*, 5(6),
- Achmadi, U. F. 2008. Manajemen Penyakit Berbasis Wilayah. *Kesmas*, 3(4), 147-153. [10.21109/kesmas.v3i3.228](https://doi.org/10.21109/kesmas.v3i3.228)
- Almethen, O. M., Aldaithan, Z. S. 2017. *The State of Atmosphere Stability and Instability Effects on Air Quality. The International Journal of Engineering and Science*, 6(4), 74-79. <https://doi.org/10.9790/1813-0604017479>
- Berman, J. D., Brook, R. D. 2018. *Air Pollution and Cardiovascular Disease: A Review of the Evidence. Journal of the American College of Cardiology*, 71(10), 1180-1189
- Badan Pusat Statistik. 2023. Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis (Unit). Badan Pusat Statistik. <https://www.bps.go.id/indicator/17/57/1/jumlah-kendaraan-bermotor.html>
- Cimorelli, A. J., S.G. Perry, A. Venkatram, J.C. Weil, R. J. Paine, R. B. Wilson, R.F. Lee, W. D. Peters, & R.W Brode. (2004). AERMOD: A Dispersion Model for Industrial Source Application Part 1: General Model Formulation and Boundary Layer Characterization. *Journal of Applied Meteorology*, 44 (5): 682-293
- Cui, H., Ma, R., Gao, F. 2018. *Relationship Between Meteorological Factors and Diffusion of Atmospheric Pollutants. Chemical Engineering Transactions*, 71, 1417–4122. <https://doi.org/10.3303/CET1871237>
- Cook, R., Isakov, V., Touma, J.S., Benjey, W., Thurman, J., Kinnee, E., Ensley, D. 2008. *Resolving local-scale emissions for modeling air quality near roadways. Journal of the Air & Waste Management Association* 58, 451-461.
- Direktorat Jenderal Pengendalian Penyakit dan Penyehatan Lingkungan Kementerian Kesehatan. 2012. Pedoman Analisis Risiko Kesehatan Lingkungan. Kementerian Kesehatan Republik Indonesia.
- Direktorat Jenderal Bina Marga, 1997, Manual Kapasitas Jalan Indonesia (MKJI), Departemen Pekerjaan Umum, Jakarta.

- Franek, W., DeRose, L. 2003. *Principles and Practices of Air Pollution Control and Analysis. United States: Environmental Protection Agency.*
- Forehead, H., & Huynh, N. (2018). Review of modelling air pollution from traffic at street-level—The state of the science. *Environmental Pollution*, 241, 775–786. <https://doi.org/10.1016/j.envpol.2018.06.019>
- Godish, T. 1997. *Air Quality. New York: Academic Press.*
- Greenstone, M., Fan, Q. 2019. *Indonesia’s worsening air quality and its impact on life expectancy. Air Quality Life Index*, 1–10.
- Handriyono, R. E., Martiha, N. K. 2017. Kajian Beban Emisi SO₂ dan NO_x Dari Kegiatan Industri di Kawasan Industri Sier Surabaya. *Jurnal Ilmu Lingkungan*. <http://dx.doi.org/10.20527/jukung.v3i2.4026>
- Ilaboya, I. R., Atikpo, E., Umukoro, L., Omofuma, F. E., Ezugwu, M. O. 2011. Analysis of the Effects of Mixing Height and Other Associated Factors on the Effective Dispersion of Plume. *Iranica Journal of Energy & Environment*, 2(2), 153–160.
- Iman, J., Somayeh, T., 2025. *Dispersion modeling of NO_x from stacks of cracking furnaces of OLEFIN unit using AERMOD. Results in Chemistry*. <https://doi.org/10.1016/j.rechem.2025.102051>
- IQ Air. (2022). World Air Quality Report. <https://www.iqair.com/newsroom/covid-19-reduces-air-pollution-in-most-countries>
- Johnson, M., Isakov, V., Touma, J.S., Mukerjee, S., Ozkaynak, H., 2010. *Evaluation of land-use regression models used to predict air quality concentrations in an urban area. Atmospheric Environment* 44, 3660-3668.
- Katika, K., Karuchit, S. 2018. *Estimation of Urban Air Pollutant Levels using AERMOD: A Case Study in Nakhon Ratchasima, Thailand. IOP Conference Series: Earth and Environmental Science*, 164, 012024. <https://doi.org/10.1088/1755-1315/164/1/012024>
- Kafle, Arjun, Anil T., Asmita G., Kaushik A., Anukul B., Niroj A. 2022. *Phytoremediation: Mechanisms, plant selection and enhancement by natural and synthetic agents. Environmental Advances*. <https://doi.org/10.1016/j.envadv.2022.100203>

- Kesarkar A. P., Dalvi, M., Kaginalkar, A., Ojha, A., 2007. *Cou-pling of the Weather Research and Forecasting Model with AERMOD for pollutant dispersion modeling. A case study for PM₁₀ dispersion over Pune, India. Atmospheric Environment*, 41(9): 1976–1988.
- Kim, B. Y., Jee, J. B., Zo, I. S., Lee, K. T. 2016. *Cloud Cover. Retrieved from Skyviewer: A Validation with Human Observations. Asia-Pacific Journal of Atmospheric Sciences*, 52(1), 1–10. <https://doi.org/10.1007/s13143-015-0083-4>
- Koren, H. 2003. *Handbook of Environmental Health Vol. 1 : Biological, Chemical and Physical Agents of Environmentally Related Disease. Lewis Publ : London.*
- Koren, H and Bisesi, 2003a. *Handbook of Environmental Health Volume 1, Biological, Chemical and Physical Agents of Environmentally Related Disease, Lewis Publishers, USA.*
- Koren. 2003b. *Handbook of Environmental Health Volume 2: Pollutant Interactions In Air, Water and Soil, Lewis Publisers, USA.hal 20.*
- Kurtz, M. 2019. *Air Quality and Health: PM_{2.5} and the Effects on the Human Body. Environmental Health Perspectives*, 127(8).
- Kusuma, Maritha, N., Mar'atus, S. 2024. Pemodelan Polusi Udara Akibat Pengalihan Lalu Lintas Dari Pembangunan Fly Over Aloha Sidoarjo. *Jurnal Ilmu Lingkungan*, 22(4), 923-932, doi:10.14710/jil.22.4.923-932
- Liao, X., Tu, H., Maddock, J. E., Fan, S., Lan, G., Wu, Y., Yuan, Z. K., Lu, Y. 2015. Residents' Perception of Air Quality, Pollution Sources, and Air Pollution Control in Nanchang, China. *Atmospheric Pollution Research*, 6(5), 835-841. <https://doi.org/10.5094/APR.2015.092>
- Manisalidis, I., Elisavet, S., Agathangelos, S., Eugenia B. 2020. *Environmental and Health Impacts of Air Pollution: A Review. Front Public Health*. doi: 10.3389/fpubh.2020.00014.
- Mukono H. J. 1997. *Pencemaran Udara dan Pengaruhnya Terhadap Gangguan Saluran Pernapasan*, Surabaya: Airlangga University Press.

- Moore C. 2007. *Mutu Udara Kota*, Makalah Hijau, Diunduh tanggal 16 Februari 2022, http://bplhd.jakarta.go.id/dalcem_udara.asp?cek=2.
- Nengsi, R. 2018. Analisis Kadar Debu PM₁₀ di Udara dan Keluhan Subjektif Sistem Pernapasan pada Pekerja Bengkel Cat Mobil Wahana Andalas Prima Autobody, Ulak Karang Selatan, Kota Padang. Politeknik Kesehatan Kemenkes Padang.
- Oke, T. 1987. *Boundary Layer Climates*. London: Routledge.
- Peraturan Pemerintah No.41 Tahun 1999 Tentang Pengendalian Pencemaran Udara
Peraturan Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia Nomor P.14/MENLHK/SETJEN/KUM.1/7/2020 Tentang : Indeks Standar Pencemar Udara.
- Peraturan Pemerintah RI Nomer 22 Tahun 2021 Tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup.
- Pudjiastuti, W. 2002. Debu Sebagai Bahan Pencemar Yang Membahayakan Kesehatan Kerja Jakarta, Pusat Kesehatan Kerja, Departemen Kesehatan Republik Indonesia.
- Pope, C. A., Dockery, D. W. 2006. *Health Effects of Fine Particulate Air Pollution: Lines that Connect*. *Journal of the Air & Waste Management Association*, 56(6), 709-742.
- Ronowijoyo, T. A., Muhammad, A. B., Sri, S. 2021. *Analysis of Ambient Air Quality Conditions of TSP Parameters and Its Source in Temon District*. *E3S Web of Conferences 202*. <https://doi.org/10.1051/e3sconf/202020202009>.
- Rostianingsih, S., Gunadi, K. 2004. Pemodelan Peta Topografi ke Objek Tiga Dimensi. *Jurnal Informatika*, 5(1), 14–21.
- Sasmita, A., Andrio, D., Hasibuan, P. 2019. Pemetaan Sebaran Partikulat dari Pembakaran Limbah Padat Industri Pengolahan Sawit di Kabupaten Kampar, Riau. *Sains Dan Teknologi*, 18(2), 57–67.
- Seangkiatyuth, K., Surapipith, V., Tantrakarnapa, K., Lothongkum, A. W. 2011. *Application of the AERMOD Modeling System for Environmental Impact Assessment of NO₂ Emissions from A Cement Complex*. *Journal of*

- Environmental Sciences*, 23(6), 931–940. [https://doi.org/10.1016/S1001-0742\(10\)60499-8](https://doi.org/10.1016/S1001-0742(10)60499-8)
- Sharma, R., Singh, D. 2018. *A Review of Wind Speed and Wind Power Forecasting Techniques*. *Journal of Engineering Research and Application*, 8(7), 1–9. <https://doi.org/10.9790/9622-0807030109>.
- Siti, A. M. P. O., Ika K., & Armijon. (2023). Analisis Tingkat Kecelakaan Lalu Lintas Jalan Lintas Tengah Sumatera KM 14 – KM 34 Menggunakan Metode Equivalent Accident Number (EAN). Seminar Nasional Insinyur Profesional. Universitas Lampung.
- Soedomo, M. 2001. *Pencemaran Udara: Kumpulan Karya Ilmiah*. Bandung: ITB Press.
- Sugiarti. 2009. Gas Pencemar Udara dan Pengaruhnya bagi Kesehatan Manusia. *Jurnal Ilmiah Kimia dan Pendidikan Kimia*, 10(1), 50-58.
- Syari, O., Lisha, S. Y., Si, M., Fitriada, W., Si, S. 2020. Analisis Hubungan Karakteristik Lalu Lintas dengan Konsentrasi PM₁₀ dan PM_{2,5} di Udara Ambien Jalan Prof. Dr. Hamka Kota Padang
- Undang-Undang Nomor 22 Tahun 2009. Tentang Lalu Lintas dan Angkutan Jalan.
- U.S. EPA. 2015. *U.S EPA Archive Document WARM version 13*.
- U.S. EPA. 2016. *Documentation for Greenhouse Gas Emission and Energy Factors Used in the Waste Reduction Model (WARM)*.
- US-EPA. 2016. AP-42: Section 13.2.1 Paved Roads. <https://www3.epa.gov/ttnchie1/ap42/ch13/final/c13s0201.pdf>.
- U.S Environmental Protection Agency (EPA). 2014. *Particulate Matter (PM): Basic Information. United States*.
- United States Environment Protection Agency. (2005). *The Inside Story: A Guide to Indoor Air Quality*. EPA Document # 402-K-93-007.
- United States Environment Protection Agency. 2004. *Air Quality Criteria For Particulate Matter- Vol I dan II*. National Center for Environmental Assesment-RTP Office of Research and Development, U.S. EPA Research Triangel Park.

- US EPA. (2023). Sulfur Dioxide Basics. Sulfur Dioxide (SO₂) Pollution. <https://www.epa.gov/so2-pollution/sulfur-dioxide-basics>
- Visscher, A. De. 2014. Air Dispersion Modeling Foundation and Applications. New Jersey: John Wiley & Sons. Inc.
- Vital, S. (2023). *Main Source of Air Pollution in Jakarta [Policy Brief]. Vital Strategies.* www.vitalstrategies.org/sourceapportionment-report
- WHO. (2005a). *Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulfur Dioxide: Global Update 2005*, WHO Regional Office for Europe, Copenhagen.
- _____. (2005b). *Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulfur Dioxide: Summary Of Risk Assessment* WHO Regional Office for Europe, Copenhagen.
- _____. (2005c). *Effects of Air Pollution on Childrens Health and Development a Review Of The Evidence*, WHO Regional Office for Europe, Copenhagen.
- World Health Organization. (2021). WHO global air quality guidelines: Particulate matter (PM_{2.5} and PM₁₀), ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide. World Health Organization. <https://apps.who.int/iris/handle/10665/345329>
- Yang, Z., Evans, M. N., Buser, M. D., Hapeman, C. J., Torrents, A., & Whitelock, D. P. (2023). Improving modeling of low-altitude particulate matter emission and dispersion: A cotton gin case study. *Journal of Environmental Sciences*, 133, 8–22. <https://doi.org/10.1016/j.jes.2022.03.048>
- Yulkifli, Asrizal, Ardi, R. 2014. Pengukuran Tekanan Udara Menggunakan DTSense Barometric Pressure Berbasis Sensor HP03. *Jurnal Sainstek*, 6(2), 110–115.
- Zeng, S., & Zhang, Y. 2017. *The Effect of Meteorological Elements on Continuing Heavy Air Pollution: A Case Study in the Chengdu Area During the 2014 Spring Festival.* *Atmosphere*, 8(71), 7–19.