DAFTAR PUSTAKA

Almira, Z. M., Sulthan, A. F., Ramadhina, A. Y., Farasany, C., Mutyadi, Irawan, Basri, H., & Amalia, N. (2024). Analisis Faktor dan Dampak Peningkatan Polusi Udara pada Masyarakat di Daerah Sudirman. *Jurnal Ilmiah Wahana Pendidikan*, *10*(16), 967–978.

Amnuaylojaroen, T., & Parasin, N. (2024). Pathogenesis of PM2.5-Related Disorders in Different Age Groups: Children, Adults, and the Elderly. *Epigenomes*, *8*(2). https://doi.org/10.3390/epigenomes8020013

Armaijn, L., Darmayanti, D., Sonia, B., & Rochmat, H. (2024). *Transportasi Hujau Teknologi, Kebijakan dan Solusi* (Vol. 2).

Aydar, E., & Akkaş, E. (2021). The emission of natural harmful particulate matters by wind erosion and possible impact areas, Cappadocia province, Central Anatolia, Turkey. *Bulletin of Engineering Geology and the Environment*, *81*(1), 20. https://doi.org/10.1007/s10064-021-02540-8

Bachtiar, V. S., Afrianita, R., & Aziz, R. (2025). *Investigation of the Spatiotemporal Distribution of PM 10 , PM 2 . 5 , and PM 1 from Motor Vehicles in Roadside Environments*. *15*(1), 19646–19654.

Campisi, T., & Jaworski, A. (2021). *from Passenger Cars in Rzeszow City — Poland . A Preliminary Assessment of the Results Produced by the Increase of E-Fleet*.

Chaloulakou, A., Kassomenos, P., Spyrellis, N., Demokritou, P., & Koutrakis, P. (2003). Measurements of PM10 and PM2.5 particle concentrations in Athens, Greece. *Atmospheric Environment*, *37*(5), 649–660. https://doi.org/https://doi.org/10.1016/S1352-2310(02)00898-1

Delavar, M. A., Jahani, M., Sepidarkish, M., & Alidoost, S. (2023). Relationship between fine particulate matter - (PM 2 . 5) concentration and risk of hospitalization due to chronic obstructive pulmonary disease : a systematic

review and meta - analysis. *BMC Public Health*, 1–9. https://doi.org/10.1186/s12889-023-17093-6

Deshmukh, P., Isakov, V., Venkatram, A., Yang, B., Zhang, K. M., Logan, R., & Baldauf, R. (2019). The effects of *roadside* vegetation characteristics on local, near-road air quality. *Air Quality, Atmosphere & Health*, *12*(3), 259–270. https://doi.org/10.1007/s11869-018-0651-8

EMEP/EEA. (2019). EMEP/EEA air pollutant emission inventory guidebook 2019: Technical guidance to prepare national emission inventories. *EEA Technical Report*, *12/2019*.

Fermi, M. I., Sasmita, A., Elystia, S., & Hardi, M. (2021). *Analisis Dispersi Karbonmonoksida (CO) dari Transportasi di Jalan HR . Soebrantas Pekanbaru dengan*. *5*(November), 218–227.

Guo, Y., Tian, P., Li, M., Yu, Z., Song, X., Shi, J., Chang, Y., & Zhang, L. (2024). *Quantifying vehicle restriction related PM 2 . 5 reduction using field observations in an isolated urban basin OPEN ACCESS Quantifying vehicle restriction related PM 2 . 5 reduction using field observations in an isolated urban basin*.

He, Y., Ding, X., He, Q., Zhang, Y., Chen, D., Zhang, T., Yang, K., Wang, J., Cheng, Q., Jiang, H., Wang, Z., & Liu, P. (2025). *Long-term Trends in PM 2 . 5 Chemical Composition and Its Impact on Aerosol Properties : Field Observations from 2007 to 2020 in Pearl River Delta , South China*. 13729–13745.

Hopke, P., Orange, C. L., Ibsen, P. C., Green, C., Graeber, B., Cicione, B., Mekonnen, R., Purushothama, S., Kinney, P. L., & Volckens, J. (2025). *Contribution of Traffic Emissions to PM 2 . 5 Concentrations at Bus Stops in Denver , Colorado*. 1–14.

Indratmo, D. (2006). *Kajian Kapasitas Jalan dan Derajat Kejenuhan Lalu-Lintas di Jalan Ahmad Yani Surabaya*. *1*, 25–31.

Iriani, L. (2023). *Analisis Sebaran Konsentrasi PM 2 , 5 Menggunakan Model AERMOD di Jalur Protokol Kota Bogor*. *08*(03), 213–222. https://doi.org/10.29244/jsil.8.3.213-222

Jandacka, D., Drliciak, M., Cingel, M., & Brna, M. (2025). Modeling and Measurements of Traffic-Related PM10, PM2.5, and NO2 Emissions Around the Roundabout and Three-Arm Intersection in the Urban Environment. *Environments - MDPI*, *12*(10), 6–8. https://doi.org/10.3390/environments12100378

Kuang, B., Zhang, F., Shen, J., Shen, Y., Qu, F., Jin, L., Tang, Q., Tian, X., & Wang, Z. (2022). Chemical characterization, formation mechanisms and source apportionment of PM2.5 in north Zhejiang Province: The importance of secondary formation and vehicle emission. *Science of the Total Environment*, *851*(August), 158206. https://doi.org/10.1016/j.scitotenv.2022.158206

Kumar, A., Jaganathan, J., Bhople, B. S., & Maurya, A. K. (2026). Integrating nature-based solutions and governance for air pollution mitigation in Delhi: the Delhi Great Green Wall framework. *Environmental Science and Pollution Research*, *33*(16), 7361–7372. https://doi.org/10.1007/s11356-026-37794-w

Kumar, P., Hama, S., Nogueira, T., Abbass, R. A., Brand, V. S., Andrade, M. de F., Asfaw, A., Aziz, K. H., Cao, S. J., El-Gendy, A., Islam, S., Jeba, F., Khare, M., Mamuya, S. H., Martinez, J., Meng, M. R., Morawska, L., Muula, A. S., Shiva Nagendra, S. M., … Salam, A. (2021). In-car particulate matter exposure across ten global cities. *Science of the Total Environment*, *750*, 141395. https://doi.org/10.1016/j.scitotenv.2020.141395

Lakshmanan, S., Upadhayay, A., Kumar, N., & Nishad, S. (2026). Estimation of Non-*exhaust* Particulate Matter Emissions from Road Transportation in Indian States. *International Journal of Environmental Research*, *20*(2), 91. https://doi.org/10.1007/s41742-026-01047-y

Lestiani, D. D., Santoso, M., Kurniawati, S., Fachrurony, F., Sari, D. K.,

Kusmartini, I., Damastuti, E., Atmodjo, D. P. D., & Mukhtar, R. (2023). Heavy Metals, Sources, and Potential Risk Assessment of PM2.5 in the Vicinity of a Lead Smelter in Indonesia. *Aerosol Science and Engineering*, *7*(2), 283–293. https://doi.org/10.1007/s41810-023-00179-4

Liang, W., Wang, Z., Zhao, D., Liu, J., Ma, T., Feng, Y., & Shi, G. (2025). Ensemble source apportionment of particulate matter and volatile organic compounds and quantifying ensemble source impacts on ozone. *Journal of Environmental Sciences (China)*, *157*, 534–545. https://doi.org/10.1016/j.jes.2024.07.026

Liao, D., Hong, Y., Huang, H., Choi, S. D., & Zhuang, Z. (2024a). Machine learning exploring the chemical compositions characteristics and sources of PM2.5 from reduced on-road activity. *Atmospheric Pollution Research*, *15*(11), 102265. https://doi.org/10.1016/j.apr.2024.102265

Liao, D., Hong, Y., Huang, H., Choi, S. D., & Zhuang, Z. (2024b). Machine learning exploring the chemical compositions characteristics and sources of PM2.5 from reduced on-road activity. *Atmospheric Pollution Research*, *15*(11), 102265. https://doi.org/10.1016/j.apr.2024.102265

Masese, M. D., Fikruddin, M., Akrim, D., Syaiful, A. Z., & Anggraini, N. (2023). *pada Fly Over Ruas Jalan Urip Sumoharjo , Kota Makassar Analysis of PM 2 . 5 and PM 10 Pollutant Concentrations of Motorized on Fly Over Road Urip Sumoharjo , Makassar City*. 1–8.

Matter, P., Kota, M. A. N., Ratas, A. A., Lisha, S. Y., & Fitrada, W. (2025). *Analisis keterkaitan kendaraan bermotor dengan konsentrasi Particulate Matter (PM) di MAN 2 Kota Padang*. *18*(2024), 206–213.

MKJI. (1997). Manual Kapasitas Jalan Indonesia. *Mkji 1997*.

Mogno, C., Palmer, P. I., Marvin, M. R., Sharma, S., Chen, Y., & Wild, O. (2023). Road transport impact on PM2.5 pollution over Delhi during the post-monsoon season. *Atmospheric Environment: X*, *17*(August 2022), 100200.

https://doi.org/10.1016/j.aeaoa.2022.100200

Mohammadi, M., Mohammadi, M., & Moezzi, S. M. M. (2025). *3 - Air pollution meteorology and dispersion* (A. Basile, D. Saloglu, & A. B. T.-A. P. Cassano Air Quality, and Climate Change (eds.); pp. 51–82). Elsevier. https://doi.org/https://doi.org/10.1016/B978-0-443-23816-1.00007-0

Moronta-Sabad, H., Ariño, A. H., de la Calle-Arroyo, C., Santos-Buitrago, R., Santamaría, J. M., Pons, J. J., & Elustondo, D. (2025). Evaluating the impact of *roadside* vegetation barriers on urban air pollution using low-cost mobile sensors. *Environmental Pollution*, *374*(March). https://doi.org/10.1016/j.envpol.2025.126106

Nawang, P. (n.d.). TINGKAT KEPUASAN PENUMPANG TERHADAP PELAYANAN TRANSPORTASI UMUM FEEDER WIRAWIRI SUROBOYO KORIDOR FD09 Putri Nawang Wulan Abstrak. *2025*, 1–10.

Nei, M., Damanik, B., & Anifah, L. (n.d.). *Air Pollution Quality Monitor (CO , CO 2 , PM2 . 5) at Surabaya State University*. *7*(1), 12–18.

Perry, N., Pedersen, P. P., Christensen, C. N., Nussli, E., Heinonen, S., Dagallier, L. G., Jacquat, R., Horstmann, S., & Franck, C. (2025). *Detecting urban PM 2 . 5 hotspots with mobile sensing and Gaussian process regression*. 1–15.

Prasetyo, R. D., Agung, A., Kartika, G., & Syafei, A. D. (2025). *ANALISIS SEBARAN KONSENTRASI KARBON MONOKSIDA (CO) UDARA AMBIEN DARI VOLUME KENDARAAN DENGAN MENGGUNAKAN MODEL GAUSSIAN LINE SOURCE (STUDI KASUS JALAN KENJERAN , JALAN OSO WILANGUN , DAN JALAN TAMAN SIDOARJO) disebabkan oleh zat-zat yang berbahaya mau*. *10*(2), 557–568.

Regulation, A., Act, P., Planning, I., & Forms, P. (2024). *M60 / M62 / M66 Simister Island Interchange ENVIRONMENTAL STATEMENT APPENDICES LITERATURE REVIEW AND EVIDENCE*. *6*(April).

Sangkham, S., Phairuang, W., Sherchan, S. P., Pansakun, N., Munkong, N.,

Sarndhong, K., Islam, M. A., & Sakunkoo, P. (2024). An update on adverse health effects from exposure to PM2.5. *Environmental Advances*, *18*(November), 100603. https://doi.org/10.1016/j.envadv.2024.100603

Sari, N. M., Azizah, R., Sulistyorini, L., Ama, F., Sahadewa, S., & Listyawati, A. F. (2022). *Dispersion of Carbon Monoxide Pollutant and The Effect of Health (Case Study on Frontage Road Surabaya by Gaussian Line Source Equation Model) Dispersi Polutan Karbon Monoksida dan Pengaruhnya Terhadap Kesehatan (Studi Kasus pada Frontage Road Surabaya*. *11*(September), 156–165.

Sari, P. H. (2017). Pemantauan Kualitas Udara Ambien Dan Pemodelan Gauss Dispersion Untuk Parameter Sulfur Dioksida (SO2) Dari Emisi Industri Kayu Lapis Di Dusun Kalimati, Tirtomartani, Kalasan, Sleman, D.I Yogyakarta. *Jurusan Teknik Lingkungan*, *1*(2), 1–19.

Sasmita, A., Khaira, I., Elystia, S., & Reza, M. (2021). *Dispersi Karbon Monoksida dari Emisi Transportasi Menggunakan Model Gaussian Line Source di Jalan Jendral Sudirman Pekanbaru*. *0 m*, 145–159.

Septian Maksum, T., & Flora Ninta Tarigan, S. (2022). Analisis Risiko Kesehatan Akibat Paparan Partikel Debu (Pm 2.5) Dari Aktivitas Transportasi Health Risk Analysis Due To Exposure of Dust Particles (Pm 2.5) From Transportation Activities 1*. *Jambura Health and Sport Journal*, *4*(1), 19–28.

Shen, X., Hao, J., Kong, L., Shi, Y., Cao, X., Shi, J., Yao, Z., Li, X., Wu, B., Xu, Y., & He, K. (2021a). Variation characteristics of fine particulate matter and its components in diesel vehicle emission plumes. *Journal of Environmental Sciences (China)*, *107*, 138–149. https://doi.org/10.1016/j.jes.2021.01.034

Shen, X., Hao, J., Kong, L., Shi, Y., Cao, X., Shi, J., Yao, Z., Li, X., Wu, B., Xu, Y., & He, K. (2021b). Variation characteristics of fine particulate matter and its components in diesel vehicle emission plumes. *Journal of Environmental Sciences (China)*, *107*, 138–149. https://doi.org/10.1016/j.jes.2021.01.034

Sheng, Q., Zhang, C., Huang, Y., Jia, C., Liu, C., Dai, A., Zhu, Z., & Huang, Z. (2025). The mediating effect of microclimate in the impacts of *roadside* vegetation barriers on air pollution in pedestrian spaces. *Building and Environment*, *279*(March), 113052. https://doi.org/10.1016/j.buildenv.2025.113052

Song, X., & Wang, D. (2024). *Emission characteristics and health effects of PM 2 . 5 from vehicles in typical areas*. *June*, 1–14. https://doi.org/10.3389/fpubh.2024.1326659

Srbinovska, M., Andova, V., Mateska, A. K., Krstevska, M. C., Cundeva-Blajer, M., Kutirov, M., & Majstoroski, M. (2023). Quantifying the impact of meteorological factors and green infrastructure location on particulate matter (PM) mitigation in Republic of North Macedonia using sensor collected data. *Measurement: Sensors*, *27*(January), 100819. https://doi.org/10.1016/j.measen.2023.100819

Suryadi, I., Juherah, J., Rachmawati, S., Fitriani, N., Kahfi, M., & Basri, S. (2025). Exposure of Volunteer Traffic Assistants to PM2.5 From Transportation in Indonesia: An Environmental Health Risk Analysis. *Journal of Preventive Medicine and Public Health*, *58*(4), 379–387. https://doi.org/10.3961/jpmph.25.004

Tachibana, T., Yoshie, R., & Xuan, Y. (2025). Evaluation of atmospheric stability as a predictive index for air pollutant dispersion in urban areas. *Journal of Wind Engineering and Industrial Aerodynamics*, *267*, 106221. https://doi.org/https://doi.org/10.1016/j.jweia.2025.106221

Tarisya, D., Shafira, R., & Medan, U. N. (2025). *Analisis sumber pencemaran udara di lingkungan perkotaan dan dampaknya bagi kesehatan*. *9*(6), 163–166.

Umar, A., Lailil, A., Rosinta, A., & Tri, A. (2025). Environmental health risks and impacts of PM 2 . 5 exposure on human health in residential areas , Bantul , Yogyakarta , Indonesia. *Toxicology Reports*, *14*(December 2024), 101949.

https://doi.org/10.1016/j.toxrep.2025.101949

WHO. (2021). WHO global air quality guidelines. In *Particulate matter (PM2.5 and PM10), ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide.*

Wu, Y., Peng, J., Wang, X., Liu, P., Liu, Y., Zhang, F., Zhang, J., Sun, B., Zhang, J., Song, K., Song, P., Wu, L., Wang, T., Guo, S., & Mao, H. (2025). Emissions and potential tracer screening of semivolatile/intermediate-volatility organic compounds from urban vehicle fleets. *Npj Climate and Atmospheric Science*, *8*(1), 1–11. https://doi.org/10.1038/s41612-025-01078-w

Xiao, W., & Fan, M. (2020). Study on the relationship between PM2.5 and the interaction between air pressure and temperture based on GAM model. *E3S Web of Conferences*, *194*, 3–6. https://doi.org/10.1051/e3sconf/202019405027

Yan, J., Li, Z., Wang, K., Xie, C., Zhu, J., & Wu, S. (2025). Association between ambient fine particulate matter constituents and mortality and morbidity of cardiovascular and respiratory diseases: A systematic review and meta-analysis. *Environmental Pollution*, *379*(May), 126476. https://doi.org/10.1016/j.envpol.2025.126476

Yan, J., Sun, N., Zheng, J., Zhang, Y., & Yin, S. (2024). Uneven PM2.5 dispersion pattern across an open-road vegetation barrier: Effects of planting combination and wind condition. *Science of the Total Environment*, *917*(October 2023), 170479. https://doi.org/10.1016/j.scitotenv.2024.170479

Yin, P. (2025). *A Review on PM 2 . 5 Sources , Mass Prediction , and Association Analysis : Research Opportunities and Challenges*. *5*.