

REFERENCES

- [1] B. Pusat Statistik Republik Indonesia, "Statistik transportasi darat 2020," 2021.
- [2] M. Pi, H. Yeon, H. Son, and Y. Jang, "Visual cause analytics for traffic congestion," IEEE Transactions on Visualization and Computer Graphics, vol. 27, no. 3, pp. 2186–2201, 2021.
- [3] F. van Wageningen-Kessels, H. van Lint, K. Vuik, and S. Hoogendoorn, "Genealogy of traffic flow models," EURO Journal on Transportation and Logistics, vol. 4, no. 4, pp. 445–473, 2015. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S2192437620301114>
- [4] S. Ahn, B. Coifman, V. Gayah, M. Hadi, S. Hamdar, L. Leclercq, H. Mahmassani, M. Menendez, A. Skabardonis, and H. van Lint, "Traffic flow theory and characteristics," Centennial Papers, 2019.
- [5] J. Popping, "An overview of microscopic and macroscopic traffic models," Bachelor's Thesis, University of Groningen, Groningen, The Netherlands, July 2013, available at <https://fse.studenttheses.ub.rug.nl/11050/1/Bachelorproject.pdf>.
- [6] M. Joueiai, L. Leclercq, H. van Lint, and S. P. Hoogendoorn, "Multiscale traffic flow model based on the mesoscopic lighthill-whitham and richards models," Transportation Research Record, vol. 2491, no. 1, pp. 98–106, 2015. [Online]. Available: <https://doi.org/10.3141/2491-11>
- [7] G. Wong and S. Wong, "A multi-class traffic flow model – an extension of lwr model with heterogeneous drivers," Transportation Research Part A: Policy and Practice, vol. 36, no. 9, pp. 827–841, 2002. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0965856401000428>
- [8] D. Vikram, P. Chakroborty, and S. Mittal, "Exploring the behavior of lwr continuum models of traffic flow in presence of shock waves," Procedia - Social and Behavioral Sciences, vol. 104, pp. 412–421, 2013, 2nd Conference of Transportation Research Group of India (2nd CTRG). [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S1877042813045254>
- [9] N. U. Fadhilah, P. H. Gunawan, and K. M. Lhaksmanas, "Simulation of traffic flow with velocity-density function from multiple linear regression," Bachelor's Thesis, Telkom University, Bandung, Indonesia, July 2020, available at <https://repository.telkomuniversity.ac.id/>.
- [10] P. H. Gunawan, "The conservative upwind scheme for simple traffic flow model," in Prosiding Seminar Nasional Matematika 2014 of Udayana University Denpasar, vol. 67, 11 2014.
- [11] P. H. Gunawan and A. Siahaan, "Simulation of macroscopic traffic model with approximation velocity function: A study case in jalan buah batu, indonesia," in 2017 5th International Conference on Information and Communication Technology (ICoICT). IEEE, 2017, pp. 1–4.
- [12] P. H. Gunawan and M. Ardi Rizmaldi, "Approximation of velocity-density function for traffic flow model with obstacle problem in jalan merdeka bandung," in 2019 7th International Conference on Information and Communication Technology (ICoICT). IEEE, 2019, pp. 1–6.
- [13] K. Liu and H. Deng, "The analysis of driver's recognition time of different traffic sign combinations on urban roads via driving simulation," Journal of Advanced Transportation, vol. 2021, no. 1, p. 8157293, 2021. [Online]. Available: <https://onlinelibrary.wiley.com/doi/abs/10.1155/2021/8157293>
- [14] H. Yue, E. Jones, and P. Revesz, "Local polynomial regression models for average traffic speed estimation and forecasting in linear constraint databases," in 2010 17th International Symposium on Temporal Representation and Reasoning. IEEE, 09 2010, pp. 154–161.
- [15] E. Ostertagov'a, "Modelling using polynomial regression," Procedia Engineering, vol. 48, pp. 500–506, 2012, modelling of Mechanical and Mechatronics Systems. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S187705812046085>
- [16] S. Patil and S. Patil, "Linear with polynomial regression: Overview," Int J Appl Res, vol. 7, pp. 273–275, 2021.
- [17] A. Babbar and P. Chandrashekhar, "Generalized framework for admissibility preserving lax-wendroff flux reconstruction for hyperbolic conservation laws with source terms," 2024. [Online]. Available: <https://arxiv.org/abs/2402.01442>.