DAFTAR PUSTAKA

Balmer, M., Axhausen, K. W., dan Nagel, K., (2006), *Agent-Based Demand-Modeling Framework for Large-Scale Microsimulations*, 11.

Bang, K. L., dan Carlsson, A., (1995), Development of speed-flow relationships for Indonesian rural roads using empirical data and simulation, Transportation research record, *1484*.

Barceló, J. (Ed.), (2010), Fundamentals of Traffic Simulation (Vol. 145), Springer New York.

Beckmann, M., McGuire, C. B., dan Winsten, C. B., (1956), Studies in the Economics of Transportation.

Beimborn, E., dan Kennedy, R., (1996), *Inside the Blackbox: Making transportation models work for livable communities*.

Boeing, G., (2017), OSMnx: New methods for acquiring, constructing, analyzing, and visualizing complex street networks, Computers, Environment and Urban Systems, 65, 126–139.

Boyce, D. E., dan Williams, H. C., (2015), Forecasting urban travel: past, present and future, Edward Elgar Publishing.

Branston, D., (1976), Link capacity functions: A review, Transportation research, 10(4), 223–236.

Bureau of Public Roads, (1964), Traffic assignment manual for application with a large, high speed computer (Vol. 2).

Cascetta, E., (2009), Transportation Systems Analysis (Vol. 29), Springer US.

Ceder, A., (1975), Investigation of Two-regime Traffic Flow Models at Micro-and Macroscopic Levels, University of California.

Department for Transport, (2020), TAG UNIT M3.1 Highway Assignment Modelling, Dalam Transport Analysis Guidance (TAG).

Dhir, S., dan Dhir, S., (2017), Adoption of open-source software versus proprietary software: An exploratory study, Strategic Change, 26(4), 363–371.

Dial, R., Glover, F., Karney, D., dan Klingman, D., (1979), A computational analysis of alternative algorithms and labeling techniques for finding shortest path trees, Networks, 9(3), 215–248.

Dinas Perhubungan Kota Yogyakarta, (2019), Survei Updating Kinerja Lalu Lintas (Volume per Kapasitas dan Kecepatan), Dinas Perhubungan Kota Yogyakarta.

Direktorat Jenderal Bina Marga, (1997), Manual Kapasitas Jalan, Departemen Pekerjaan Umum, Jakarta.

Easa, S. M., dan May, A. D., (1980), Generalized Procedure for Estimating Single-and Two-Regime Traffic-Flow Models, Transportation Research Record, 772, 24–37.

Frank, M., dan Wolfe, P., (1956), An algorithm for quadratic programming, Naval research logistics quarterly, 3(1-2), 95–110.

Friedrich, M., Pestel, E., Schiller, C., dan Simon, R., (2019), Scalable GEH: A Quality Measure for Comparing Observed and Modeled Single Values in a Travel Demand Model Validation, Transportation Research Record: Journal of the Transportation Research Board, 2673(4), 722–732.

Geroliminis, N., dan Daganzo, C. F., (2008), Existence of urban-scale macroscopic fundamental diagrams: Some experimental findings, Transportation Research Part B: Methodological, 42(9), 759–770.

Geroliminis, N., dan Skabardonis, A., (2011), Identification and Analysis of Queue Spillovers in City Street Networks, IEEE Transactions on Intelligent Transportation

Systems, 12(4), 1107–1115.

Givoni, M., Beyazit, E., dan Shiftan, Y., (2016), The use of state-of-the-art transport models by policymakers–beauty in simplicity?, Planning Theory & Practice, 17(3), 385–404.

Grant-Muller, S., dan Usher, M., (2014), Intelligent Transport Systems: The propensity for environmental and economic benefits, Technological Forecasting and Social Change, 82, 149–166.

Graser, A., (2019), MovingPandas: efficient structures for movement data in Python, GIForum, 1, 54–68.

Gupta, J., dan Shah, N. H., (2012), Origin destination transportation models: methods, International Journal of Mathematical Sciences & Applications, 819–825.

Hagberg, A. A., Schult, D. A., dan Swart, P. J., (2008), *Exploring Network Structure, Dynamics, and Function using NetworkX*, 5.

Haidri, S., Haranwala, Y. J., Bogorny, V., Renso, C., da Fonseca, V. P., dan Soares, A., (2022), PTRAIL—A python package for parallel trajectory data preprocessing, SoftwareX, 19, 101176.

Hunter, J. D., (2007), Matplotlib: A 2D Graphics Environment, Computing in Science & Engineering, 9(3), 90–95.

Irawan, M. Z., Sumi, T., dan Munawar, A., (2010), *Implementation of the 1997 Indonesian Highway Capacity Manual (MKJI) Volume Delay Function*, 8, 11.

Jordahl, K., (2014), GeoPandas: Python tools for geographic data, URL: https://github.com/geopandas/geopandas, 3.

Kraak, M. J., dan Ormeling, F., (2010), Cartography: visualization of geospatial data (3rd ed), Prentice Hall.

Lovelace, R., dan Ellison, R., (2018), Stplanr: A package for transport planning, The R Journal, 10(2), 7–23.

Lovelace, R., Nowosad, J., dan Muenchow, J., (2019), Geocomputation with R, Chapman and Hall/CRC.

Lovelace, R., Parkin, J., dan Cohen, T., (2020), Open access transport models: a leverage point in sustainable transport planning, Transport Policy, 97, 47–54.

Martin, H., Hong, Y., Wiedemann, N., Bucher, D., dan Raubal, M., (2022), Trackintel: An open-source Python library for human mobility analysis, arXiv preprint arXiv:2206.03593.

May, A., dan Keller, H. E., (1967), Non-integer car-following models, Highway Research Record, 199(1), 19–32.

McKinney, W., (2012), Python for data analysis: Data wrangling with Pandas, NumPy, and IPython, O'Reilly Media, Inc.

Mitchell, G., (1993), The practice of operational research, J. Wiley.

Moore, E. F., (1959), *The shortest path through a maze*, 285–292.

Morrison, R., (2018), Energy system modeling: Public transparency, scientific reproducibility, and open development, Energy strategy reviews, 20, 49–63.

Neteler, M., dan Mitasova, H., (2008), Open Source software and GIS, Dalam Open source Gis (hlm. 1–6), Springer.

Ni, D., (2016), Traffic flow theory: characteristics, experimental methods, and numerical techniques, Elsevier, Butterworth-Heinemann.

Olive, X., (2019), Traffic, a toolbox for processing and analysing air traffic data, Journal of Open Source Software, 4(39), 1518–1.

Ortúzar, J. de D., Willumsen, L. G., dan Consultancy, L. W., (2011), Modelling Transport, SPH P, 608.

Pape, U., (1974), Implementation and efficiency of Moore-algorithms for the shortest route problem, Mathematical programming, 7(1), 212–222.

Pappalardo, L., Simini, F., Barlacchi, G., dan Pellungrini, R., (2019), Scikit-mobility: A Python library for the analysis, generation and risk assessment of mobility data, arXiv preprint arXiv:1907.07062.

Pusat Studi Transportasi dan Logistik UGM, (2016), Laporan Penyusunan Kajian Asal - Tujuan Perjalanan Orang di DIY Tahun 2016.

Rahman, A., dan Irawan, M. Z., (2020), Evaluating Road Networks Performance: Capacity Restraint Method, Journal of Physics: Conference Series, 1655(1), 012099.

Rey, S. J., dan Anselin, L., (2010), PySAL: A Python library of spatial analytical methods, Dalam Handbook of applied spatial analysis (hlm. 175–193), Springer.

Rey, S. J., Anselin, L., Amaral, P., Arribas-Bel, D., Cortes, R. X., Gaboardi, J. D., Kang, W., Knaap, E., Li, Z., dan Lumnitz, S., (2021), The pysal ecosystem: Philosophy and implementation, Geographical Analysis.

Schwalb-Willmann, J., Remelgado, R., Safi, K., dan Wegmann, M., (2020), MoveVis: Animating movement trajectories in synchronicity with static or temporally dynamic environmental data in R, Methods in Ecology and Evolution, 11(5), 664–669.

Sheffi, Y., (1984), Urban transportation networks: equilibrium analysis with mathematical programming methods, Prentice-Hall.

Siebinga, O., (2021), TraViA: a Traffic data Visualization and Annotation tool in Python, Journal of Open Source Software, 6(65), 3607.

Skabardonis, A., dan Geroliminis, N., (2008), Real-time monitoring and control on signalized arterials, Journal of Intelligent Transportation Systems, 12(2), 64–74.

Steenbrink, P. A., (1974), Transport network optimization in the Dutch integral transportation study, Transportation Research, 8(1), 11–27.

Suh, S., Park, C.-H., dan Kim, T. J., (1990), A highway capacity function in Korea: measurement and calibration, Transportation Research Part A: General, 24(3), 177–186.

Taha, H. A., (2017), Operations research an introduction (Tenth edition), Pearson.

Tamin, O. Z., (2000), Perencanaan dan pemodelan transportasi, Penerbit ITB.

Triola, M. F., dan Iossi, L., (2019), Essentials of statistics (6th edition/Student edition), Pearson.

Tristiawan, A. G., (2019), Analisis Pengaruh Rencana Pembangunan Jogja Outer Ring Road Terhadap Kinerja Jaringan Jalan Di Wilayah D.I.Yogyakarta, Universitas Gajah Mada.

TU0903, C. A., (2012), *MULTITUDE: Methods and tools for supporting the Use, caLibration and validaTIon of Traffic simUlations models*.

Waddell, P., (2002), UrbanSim: Modeling Urban Development for Land Use, Transportation, and Environmental Planning, Journal of the American Planning Association, 68(3), 297–314.

Wardrop, J. G., (1952), Road paper. some theoretical aspects of road traffic research., Proceedings of the institution of civil engineers, 1(3), 325–362.

Winston, W. L., dan Goldberg, J. B., (2004), Operations research: applications and algorithms (Vol. 3), Thomson Brooks/Cole Belmont.

Yu, Q., dan Yuan, J., (2022), TransBigData: A Python package for transportationspatio-temporal big data processing, analysis and visualization, Journal of Open Source Software, 7(71), 4021.