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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ahern, A., Anandarajah, G., 2006. Influence of price and income on rail travel in Ireland. https://doi.org/https://doi.org/10.1680/tran.2006.159.4.177

Al-Salih, W.Q., Esztergár-Kiss, D., 2022. Comparison between Physical Parameters and Sensory Parameters Regarding Travel Behavior Based on Sensitivity Analysis. J Adv Transp 2022. https://doi.org/10.1155/2022/9061211

Al-Salih, W.Q., Esztergár-Kiss, D., 2021. Effects of individual characteristics on travel behavior: An application of the multinomial logit model on the travellers behaviour in Budapest city, dalam: 2021 7th International Conference on Models and Technologies for Intelligent Transportation Systems, MT-ITS 2021. Institute of Electrical and Electronics Engineers Inc. https://doi.org/10.1109/MT-ITS49943.2021.9529295

Baltas, G., 2006. Econometric models for discrete choice analysis of travel and tourism demand. Journal of Travel and Tourism Marketing 21, 25–40. https://doi.org/10.1300/J073v21n04_04

Barus, L.S., Martell-Flores, H., Hadiwardoyo, S.P., Batoz, J.L., 2016. Intercity mode choice modelling: Considering the intracity transport systems with application to the jakarta-bandung corridor. International Journal of Technology 7, 581–591. https://doi.org/10.14716/ijtech.v7i4.2798

Ben-Akiva, M.E.., Lerman, S.R.., 1991. Discrete choice analysis : theory and application to travel demand. The MIT Press.

Bergantino, A.S., Madio, L., 2020. Intermodal competition and substitution. HSR versus air transport: Understanding the socio-economic determinants of modal choice. Research in Transportation Economics 79. https://doi.org/10.1016/j.retrec.2020.100823

Bliemer, M.C.J., Rose, J.M., 2011. Experimental design influences on stated choice outputs: An empirical study in air travel choice. Transp Res Part A Policy Pract 45, 63–79. https://doi.org/10.1016/j.tra.2010.09.003

Probabilitas Pemilihan Moda Berdasarkan Nilai Manfaat Pada Rencana Kereta Cepat Jakarta - Surabaya
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Brenna, C., 2024. Price impact of high-speed rail competition between multiple full-service and low-cost operators on less congested corridors in Spain. Transp Policy (Oxf) 156, 77–88. https://doi.org/10.1016/j.tranpol.2024.07.013

Campos, J., Gagnepain, P., Nash, C., 2009. Economic Analysis of High Speed Rail in Europe.

Cao, W., Chen, Z., Shi, F., Xu, J., 2025. Analysis of Travel Mode Choice Behavior between High-Speed Rail and Air Transport Utilizing Large-Scale Ticketing Data. Transp Res Rec 2679, 1344 – 1358. https://doi.org/10.1177/03611981241270169

Chen, L., Yao, E., Yang, Y., Pan, L., Liu, S.S., 2024. Understanding passengers' intermodal travel behavior to improve air-rail service: A case study of Beijing-Tianjin-Hebei urban agglomeration. J Air Transp Manag 118. https://doi.org/10.1016/j.jairtraman.2024.102615

Chen, Q., Wang, M., 2022. Opening of high-speed rail and the consumer service industry: Evidence from China. Econ Anal Policy 76, 31–45. https://doi.org/10.1016/j.eap.2022.07.010

Chen, Z., Fang, J., Xiao, J., Liang, Y., Ren, Y., Liu, R., 2022. An empirical study on the behavior pattern of intercity shared mobility, dalam: 2022 IEEE 25th International Conference on Intelligent Transportation Systems (ITSC). IEEE, hlm. 2980–2985. https://doi.org/10.1109/ITSC55140.2022.9922406

Cheng, Y.H., Huang, T.Y., 2014. High speed rail passenger segmentation and ticketing channel preference. Transp Res Part A Policy Pract 66, 127–143. https://doi.org/10.1016/j.tra.2014.05.006

Cirillo, C., Xu, R., 2011. Dynamic discrete choice models for transportation. Transp Rev 31, 473–494. https://doi.org/10.1080/01441647.2010.533393

Cordera, R., Ibeas, Á., dell'Olio, L., Alonso, B., González, H., Antolín, G., Ezquerro, S., Echaniz, E., Benavente, J., 2019. Land Use-Transport Interaction Models. Taylor & Francis Group.

Crowther, D., Seifi, S., 2022. The Complexities of Sustainability. WORLD SCIENTIFIC. https://doi.org/10.1142/12902

UNIVERSITAS
GADJAH MADA
Probabilitas Pemilihan Moda Berdasarkan Nilai Manfaat Pada Rencana Kereta Cepat Jakarta - Surabaya
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

de Bortoli, A., Féraille, A., 2024. Banning short-haul flights and investing in high-speed railways for a sustainable future? Transp Res D Transp Environ 128. https://doi.org/10.1016/j.trd.2023.103987

Domarchi, C., Tudela, A., González, A., 2008. Effect of attitudes, habit and affective appraisal on mode choice: An application to university workers, dalam: Transportation. hlm. 585–599. https://doi.org/10.1007/s11116-008-9168-6

Dong, Z., Li, L., Wu, B., Zhao, X., 2018. Impact of attitude on cumulative mode choices of intercity business travellers in China. Proceedings of the Institution of Civil Engineers: Transport 171, 349–358. https://doi.org/10.1680/jtran.16.00096

Esztergár-Kiss, D., Shulha, Y., Aba, A., Tettamanti, T., 2021. Promoting sustainable mode choice for commuting supported by persuasive strategies. Sustain Cities Soc 74. https://doi.org/10.1016/j.scs.2021.103264

Gehrt Kenneth C. and Rajan, M.N. and O.M. and S.T. and O.N., 2015. Understanding Preference for High-Speed Rail Service: A Consumer Logistics Perspective, dalam: Sharma Dheeraj and Borna, S. (Ed.), Proceedings of the 2007 Academy of Marketing Science (AMS) Annual Conference. Springer International Publishing, Cham, hlm. 128.

Greene, W.H., 2018. William H. Greene - Econometric Analysis-Pearson (2018).

Gulzar, Y., Eksili, N., Caylak, P.C., Mir, M.S., 2023. Sustainability Consciousness Research Trends: A Bibliometric Analysis. Sustainability (Switzerland). https://doi.org/10.3390/su152416773

Hamadneh, J., Jaber, A., 2023. Modeling of intra-city transport choice behaviour in Budapest, Hungary. Journal of Urban Mobility 3. https://doi.org/10.1016/j.urbmob.2023.100049

Hensher, D.A., Rose, J.M., Greene, W.H., 2015. Applied Choice Analysis, 2 ed. Cambridge University Press.

International Organization for Standardization, 2006a. ISO 14044:2006 - Environmental management – Life cycle assessment – Requirements and guidelines.

International Organization for Standardization, 2006b. ISO 14040:2006 - Environmental management – Life cycle assessment – Principles and framework.

Probabilitas Pemilihan Moda Berdasarkan Nilai Manfaat Pada Rencana Kereta Cepat Jakarta - Surabaya
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Irawan, M.Z., Simanjuntak, N.I.M., Bastarianto, F.F., Dwitasari, R., Herawati, 2020. Predicting the impact of Trans Java Toll Roads on demand for intercity air travel in Indonesia. J Air Transp Manag 87. https://doi.org/10.1016/j.jairtraman.2020.101848

Jiao, J., Zhang, Y., Du, D., 2025. Impact of high-speed rail on intercity technology transfer and its mediating pathways; [高铁对城际技术转移的影响及其中介路径]. Resources Science 47, 1221 – 1235. https://doi.org/10.18402/resci.2025.06.05

Jiao, W., Yang, C., He, S., 2012. Improved SP-off-RP Survey Method and Its Application to Mode Choice Model.

Jin, F., Jiao, J., Qi, Y., 2016. Evolution and geographic effects of high-speed rail in East Asia. Dili Xuebao/Acta Geographica Sinica 71, 576–590. https://doi.org/10.11821/dlxb201604004

Kazuaki, M., Vichiensan, V., Shimomura, N., Páez, A., 2004. Discrete Choice Model with Structuralized Spatial Effects for Location Analysis. Transportation Research Record: Journal of the Transportation Research Board 1898. https://doi.org/https://doi.org/10.3141/1898-22

Kline, P., 2014. An Easy Guide to Factor Analysis. Routledge. https://doi.org/10.4324/9781315788135

Lee, J.-H., Chon, K.-S., Park, ChangHo, Lee, J., K-S Chon, K., Park, C, 2004. Accommodating Heterogeneity and Heteroscedasticity in Intercity Travel Mode Choice Model Formulation and Application to HoNam, South Korea, High-Speed Rail Demand Analysis, Transportation Research Record: Journal of the Transportation Research.

Li, H., Strauss, J., Lu, L., 2019. The impact of high-speed rail on civil aviation in China. Transp Policy (Oxf) 74, 187–200. https://doi.org/10.1016/j.tranpol.2018.11.015

Li, T., Jiang, F., Tu, Y., Li, J., 2025. The dynamic effects of regional public transport connectivity on intercity mobility from a dyadic flow perspective. Applied Geography 176. https://doi.org/10.1016/j.apgeog.2025.103533

Probabilitas Pemilihan Moda Berdasarkan Nilai Manfaat Pada Rencana Kereta Cepat Jakarta - Surabaya
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Li, X., Shi, L., Shi, Y., Tang, J., Zhao, P., Wang, Y., Chen, J., 2024. Exploring interactive and nonlinear effects of key factors on intercity travel mode choice using XGBoost. Applied Geography. https://doi.org/10.1016/j.apgeog.2024.103264

Li, X., Tang, Y., 2024. The distributional impacts of high speed rail: Evidence from China. Econ Model 132. https://doi.org/10.1016/j.econmod.2023.106640

Li, X., Wang, W., Yang, M., Wang, H., Xu, C., 2016. Competitive factors between civil aviation and high-speed rail based on radial basis function and logistic regression. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering 33, 653 – 660. https://doi.org/10.3724/SP.J.1249.2016.06653

Li, X., Wang, Y., Wu, Y., Chen, J., Zhou, J., 2021a. Modeling Intercity Travel Mode Choice with Data Balance Changes: A Comparative Analysis of Bayesian Logit Model and Artificial Neural Networks. J Adv Transp 2021. https://doi.org/10.1155/2021/9219176

Li, X., Zhang, S., Wu, Y., Wang, Y., Wang, W., 2021b. Exploring Influencing Factors of Intercity Mode Choice from View of Entire Travel Chain. J Adv Transp 2021. https://doi.org/10.1155/2021/9454873

Li, Z.C., Sheng, D., 2016. Forecasting passenger travel demand for air and high-speed rail integration service: A case study of Beijing-Guangzhou corridor, China. Transp Res Part A Policy Pract 94, 397–410. https://doi.org/10.1016/j.tra.2016.10.002

Lin, C., Enjian, Y., Yang, Y., Tianwei, L., 2021. Modeling of transfer behavior between urban hub of intermodal passengers. Journal of Beijing Jiaotong University 45, 79. https://doi.org/doi,org/10.11860/j.issn.1673-0291.20210049

Liu, J., Zhang, N., 2012a. Empirical research of intercity high-speed rail passengers' travel behavior based on fuzzy clustering model. Jiaotong Yunshu Xitong Gongcheng Yu Xinxi/Journal of Transportation Systems Engineering and Information Technology 12, 100–105. https://doi.org/10.1016/s1570-6672(11)60236-5

Liu, J., Zhang, N., 2012b. Intercity Travel Behaviors with the Introduction of High-speed Rail.

Liu, L., Zhang, M., 2018. High-speed rail impacts on travel times, accessibility, and economic productivity: A benchmarking analysis in city-cluster regions of China. J Transp Geogr 73, 25–40. https://doi.org/10.1016/j.jtrangeo.2018.09.013

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Llorca, C., Ji, J., Molloy, J., Moeckel, R., 2018. The usage of location based big data and trip planning services for the estimation of a long-distance travel demand model. Predicting the impacts of a new high speed rail corridor. Research in Transportation Economics 72, 27–36. https://doi.org/10.1016/j.retrec.2018.06.004

Lubis, H.A.R., Pantas, V.B., Farda, M., 2019. Demand forecast of Jakarta-Surabaya high speed rail based on stated preference method. International Journal of Technology 10, 405–416. https://doi.org/10.14716/ijtech.v10i2.2442

Mahardika, M.D., Irawan, M.Z., Bastarianto, F.F., 2022. Exploring the potential demand for Jakarta–Bandung high-speed rail. Transp Res Interdiscip Perspect 15. https://doi.org/10.1016/j.trip.2022.100658

Mahdi, A., Hamadneh, J., Esztergár-Kiss, D., 2022. Modeling of Travel Behavior in Budapest: Leisure Travelers, dalam: Transportation Research Procedia. Elsevier B.V., hlm. 310–317. https://doi.org/10.1016/j.trpro.2022.02.039

Malott, P., 2024. Integrating High-Speed Rail Stations at Airports, dalam: Pagliara, F. (Ed.), Socioeconomic Impacts of High-Speed Rail Systems. Springer Nature Switzerland, Cham, hlm. 95–129.

Nurhidayat, A.Y., Widyastuti, H., Utomo, D.P., 2018. Model of transportation mode choice between aircraft and high speed train of Jakarta-Surabaya route, dalam: IOP Conference Series: Earth and Environmental Science. Institute of Physics Publishing. https://doi.org/10.1088/1755-1315/202/1/012002

Ortz̃ar, J. de Dios., Willumsen, L.G.., 2011. Modelling Transport. Wiley [Imprint] John Wiley & Sons, Incorporated.

Petrik, O., De Abreu e Silva, J., Moura, F., 2016. Stated preference surveys in transport demand modeling: Disengagement of respondents. Transportation Letters. https://doi.org/10.1179/1942787515Y.0000000003

Purba, A., Nakamura, F., Dwsbu, C.N., Jafri, M., Pratomo, P., 2017. A current review of high speed railways experiences in Asia and Europe, dalam: AIP Conference Proceedings. American Institute of Physics Inc. https://doi.org/10.1063/1.5011558

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Purba, A., Purba, J.T., 2020. Jakarta-Bandung High-Speed rail transportation project: Facts and challenges, dalam: IOP Conference Series: Materials Science and Engineering. IOP Publishing Ltd. https://doi.org/10.1088/1757-899X/918/1/012034

Qin, S., Wang, W., Wang, Y., Chen, S., Li, X., Jin, K., 2023. Modeling Intermodal Travel Behavior of Regional Integrated Transportation: A Stated Preference Survey in China. https://doi.org/10.1061/9780784484869.037

Shao, M., Chen, C., Lu, Q., Zuo, X., Liu, X., Gu, X., 2023. The Impacts of Low-Carbon Incentives and Carbon-Reduction Awareness on Airport Ground Access Mode Choice under Travel Time Uncertainty: A Hybrid CPT-MNL Model. Sustainability (Switzerland) 15. https://doi.org/10.3390/su151612610

Shkera, A., Patankar, V., 2024. Cycling, Walking, And Public Transport Versus Private Cars: An Empirical Investigation Of Travel Mode Choices For Shopping Trips In Mumbai Metropolitan Region. Transactions on Transport Sciences 15, 4–16. https://doi.org/10.5507/tots.2023.020

Sperry, B.R., 2016. Review of Global Evidence of the Ridership and Transportation System Impacts of High-Speed Rail.

Train, K.E., 2009. Discrete Choice Methods with Simulation, 2 ed. Cambridge University Press. https://doi.org/https://doi.org/10.1017/CBO9780511805271

Upahita, D.P., Sucipto, Hendra, Y.N.R., Utomo, D.P., Salsabilla, M.A., Pujiwat, R., 2023. Influence of Qualitative Factors on Mode Choice between High Speed Train and Airplane using Logit Model with Dummy Variables: Case Study Jakarta - Surabaya Corridor. Evergreen 10, 2047–2055. https://doi.org/10.5109/7151772

Yang, X.-Q., Huang, H.-J., 2022. Review of Impact of High-speed Rail on Urban Economic Spatial Structure; [高铁对城市经济空间结构影响的研究综述]. Jiaotong Yunshu Xitong Gongcheng Yu Xinxi/Journal of Transportation Systems Engineering and Information Technology 22, 7 – 18. https://doi.org/10.16097/j.cnki.1009-6744.2022.05.002

Probabilitas Pemilihan Moda Berdasarkan Nilai Manfaat Pada Rencana Kereta Cepat Jakarta - Surabaya
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Yao, X., Jing, C., Huang, Y., Zhi, J., 2022. A Comparative Study of Passenger Multitasking Activities on Commuting and Leisure Electrified Intercity Railways. J Adv Transp 2022. https://doi.org/10.1155/2022/3001392

Yuling, Y., Mingchu, H., Junjing, C., 2018. Intercity Passenger Travel Mode Choice Behavior Based on Trip Chain. Journal of Tongji University (Natural Science) 46, 1234–1240. https://doi.org/doi.org/10.11908/j.issn.0253-374x.2018.09.011

Zenobia, B.A., Weber, C., 2007. Sustainable Transit Mode Choices in Urban Areas: Psychological Insights on the Adoption and Selection Processes.

Zhang, Q., Yang, H., Wang, Q., Zhang, A., Zhang, Y., 2020. Impact of high-speed rail on market concentration and Lerner index in China's airline market. J Air Transp Manag 83. https://doi.org/10.1016/j.jairtraman.2019.101755

Zhou, G., Tran, D.T., Zhou, F., Zhang, K., 2020. Research on Market Share Rate Models of Passenger Transport Competition between High-speed Rail and Road. Tiedao Xuebao/Journal of the China Railway Society 42, 1 – 8. https://doi.org/10.3969/j.issn.1001-8360.2020.01.001

Zhou, X., 2008. Route Discrete Choice Problem and Their Application to Traffic Engineering, dalam: The Eighth International Conference of Chinese Logistics and Transportation Professionals. Logistics: The Emerging Frontiers of Transportation and Development in China. https://doi.org/https://doi.org/10.1061/40996(330)417