

- [7] A. Pantuso, G. W. Flintsch, S. W. Katicha, and G. Loprencipe, "Development of Network-Level Pavement Deterioration Curves Using the Linear Empirical Bayes Approach," *International Journal of Pavement Engineering*, vol. 22, no. 6, 2021, doi:10.1080/10298436.2019.1646912.
- [8] F. Elsaid, L. Amador-Jimenez, and A. Mazaheri, "Estimating Layers' Structural Coefficients for Flexible Pavements in Costa Rica Road's Network Using Full Bayesian Markov Chain Monte Carlo Approach," *International Journal of Pavement Research and Technology*, vol. 16, no. 3, 2023, doi: 10.1007/s42947-022-00160-3.
- [9] H. Huang, Z. Zhou, M. Liu, Q. Wu, G. Hu, and J. Cao, "High-Precision Volume Measurement of Potholes in Pavement Maintenance," *Math Probl Eng*, vol. 2022, 2022, doi: 10.1155/2022/9157849.
- [10] B. Rulian, Y. Hakan, S. Salma, M. J. Zul Fahmi, and N. Yacoub, "Performance Model Development for Flexible Pavements via Neural Networks," in *International Conference on Transportation and Development 2022: Application of Emerging Technologies - Selected Papers from the Proceedings of the International Conference on Transportation and Development 2022*, 2022, doi:10.1061/9780784484357.007.
- [11] J. A. Mills and O. Parent, "Bayesian Markov Chain Monte Carlo Estimation," in *Handbook of Regional Science: Second and Extended Edition: With 238 Figures and 78 Tables*, 2021, doi: 10.1007/978-3-662-60723-7_89.
- [12] P. Duckworth, H. Yasarer, and Y. Najjar, "Evaluation of Flexible Pavement Performance Models in Mississippi: A Neural Network Approach," in *Lecture Notes in Civil Engineering*, 2022, doi:10.1007/978-3-030-77230-7_15.
- [13] D. Vallès-Vallès and C. Torres-Machi, "Deterioration of Flexible Pavements Induced by Flooding: Case Study Using Stochastic Monte Carlo Simulations in Discrete-Time Markov Chains," *Journal of Infrastructure Systems*, vol. 29, no. 1, 2023, doi: 10.1061/jitse4.iseng-2109.
- [14] T. Tasmin, D. Richards, H. Dia, and J. Wang, "Development and evaluation of relationships between surface condition rating and objective pavement condition parameters," *International Journal of Pavement Engineering*, 2021, doi: 10.1080/10298436.2021.1894421.
- [15] K. A. Abaza, "Simplified Markovian-Based Pavement Management Model for Sustainable Long-Term Rehabilitation Planning," *Road Materials and Pavement Design*, vol. 24, no. 3, 2023, doi:10.1080/14680629.2022.2048055.
- [16] K. A. Abaza, "Empirical-Markovian Approach for Estimating the Flexible Pavement Structural Capacity: Caltrans Method as a Case Study," *International Journal of Transportation Science and Technology*, vol. 10, no. 2, 2021, doi: 10.1016/j.ijst.2020.12.007.
- [17] A. A. Angelo, K. Sasai, and K. Kaito, "Assessing Critical Road Sections: A Decision Matrix Approach Considering Safety and Pavement Condition," *Sustainability (Switzerland)*, vol. 15, no. 9, 2023, doi: 10.3390/su15097244.
- [18] S. Saride, P. R. T. Peddinti, and B. M. Basha, "Application of Data Handling Techniques to Predict Pavement Performance," in *Handbook of Statistics*, vol. 44, 2021, doi:10.1016/bs.host.2020.07.001.
- [19] B. Wei, C. Guo, and M. Deng, "An Innovation of the Markov Probability Model for Predicting the Remaining Service Life of Civil Airport Rigid Pavements," *Materials*, vol. 15, no. 17, 2022, doi:10.3390/ma15176082.
- [20] J. L. M. de Oliveira, G. Davis, A. Khani, and M. Marasteanu, "Heterogeneous Markov Chain Model to Predict Pavement Performance and Deterioration," *Transp Res Rec*, vol. 2676, no. 9, 2022, doi: 10.1177/03611981221088222.
- [21] S. Alimoradi, A. Golroo, and S. M. Asgharzadeh, "Development of Pavement Roughness Master Curves using Markov Chain," *International Journal of Pavement Engineering*, vol. 23, no. 2, 2022, doi: 10.1080/10298436.2020.1752917.
- [22] S. Shrestha and R. Khadka, "Assessment of Relationship between Road Roughness and Pavement Surface Condition," *Journal of Advanced College of Engineering and Management*, vol. 6, pp. 177–185, 2021, doi: 10.3126/jacem.v6i0.38357.
- [23] N. Widyarningsih and O. Daniel, "Analisis Karakteristik Dan Perilaku Penyeberangan Orang Pada Fasilitas Penyeberangan Zebra Cross Dan Pelican Cross (Studi Kasus Ruas Jalan M. H. Thamrin)," *Jurnal Pengembangan Rekayasa dan Teknologi*, vol. 15, no. 1, p. 27, 2019, doi: 10.26623/jprtv15i1.1486.
- [24] Y. Zhu, J. Chen, K. Wang, Y. Liu, and Y. Wang, "Research on Performance Prediction of Highway Asphalt Pavement Based on Grey–Markov Model," in *Transportation Research Record*, vol. 2676, no. 4, 2022, doi: 10.1177/03611981211057527.
- [25] M. Isradi, P. Molina, A. I. Rifai, A. Mufhidin, and J. Prasetyo, "Evaluation of Performance and Services of Integrated Transportation System (Case Study : Connecting Line between MRT Dukuh Atas Station and KRL Sudirman Station)," *Proceedings of the International Conference on Industrial Engineering and Operations Management*, pp. 496–507, 2021, doi: 10.7250/bjrbe.2021-15.487.
- [26] L. Zhang, W. Gu, Y. J. Byon, and J. Lee, "Condition-Based Pavement Management Systems Accounting for Model Uncertainty and Facility Heterogeneity with Belief Updates," *Transp Res Part C Emerg Technol*, vol. 148, 2023, doi: 10.1016/j.trc.2023.104054.
- [27] H. Dwiatioko, M. Isradi, J. Prasetyo, and A. Hamid, "Comparative Study of the Passenger's Satisfaction with Regional Rail Transport in Indonesia and Malaysia," *European Journal of Science, Innovation and Technology*, vol. 2, no. 2, pp. 32–40, 2022, doi:10.1016/j.trc.2023.104054.
- [28] Y. D. Prasetyo, M. Isradi, and N. Hartatik, "Analisis Penilaian Kondisi Kerusakan Jalan Dengan Metode International Roughness Index Dan Pavement Condition Index Pada Ruas Jalan Panglima Sudirman Kabupaten Tuban," *Jurnal EXTRAPOLASI*, vol. 18, no. 02, pp. 39–51, 2021, doi: 10.30996/extrapolasi.v18i2.6021.
- [29] W. Chen and M. Zheng, "Multi-Objective Optimization for Pavement Maintenance and Rehabilitation Decision-Making: a Critical Review and Future Directions," *Automation in Construction*, vol. 130, 2021, doi: 10.1016/j.autcon.2021.103840.
- [30] Direktorat Jendral Bina Marga, *Buku Kondisi Jalan Nasional 2020*. Jakarta, 2020.
- [31] Direktorat Jendral Bina Marga, *Pedoman Kapasitas Jalan Indonesia*. 2023.
- [32] DGH, "National Road Condition West Java," 2020.
- [33] R. Imam, Y. Murad, I. Asi, and A. Shatnawi, "Predicting Pavement Condition Index from International Roughness Index using Gene Expression Programming," *Innovative Infrastructure Solutions*, vol. 6, no. 3, 2021, doi: 10.1007/s41062-021-00504-1.
- [34] Y. Astor, Y. Nabesima, R. Utami, A. V. R. Sihombing, M. Adli, and M. R. Firdaus, "Unmanned Aerial Vehicle Implementation for Pavement Condition Survey," *Transportation Engineering*, vol. 12, 2023, doi: 10.1016/j.treng.2023.100168.
- [35] M. Isradi, J. Prasetyo, N. Hartatik, Z. Abidin, and Z. Arifin, "Analysis of Urban Road Damage Assessment Using Surface Distress Index (SDI), Pavement Condition Index (PCI), and International Roughness Index (IRI) Methods," *RIGEO • Review of International Geographical Education*, vol. 11, no. 2, pp. 699–715, 2021, doi:10.33403/rigeo.
- [36] T. Paz e Albuquerque, R. Almeida de Melo, L. M. Bezerra de Moraes, L. Quintino Lira Oliveira, and A. Cirne de Azevedo Filho, "Development of a Flexible Pavement Condition Index for Urban Road Network," *TRANSPORTES*, vol. 30, no. 2, 2022, doi:10.14295/transportes.v30i2.2553.
- [37] J. Zhao, H. Wang, P. Lu, and J. Chen, "Mechanistic–Empirical Analysis of Pavement Performance Considering Dynamic Axle Load Spectra Due to Longitudinal Unevenness," *Applied Sciences (Switzerland)*, vol. 12, no. 5, 2022, doi: 10.3390/app12052600.
- [38] J. J. Ortiz-García, S. B. Costello, and M. S. Snaith, "Derivation of Transition Probability Matrices for Pavement Deterioration Modeling," *J Transp Eng*, vol. 132, no. 2, pp. 141–161, 2006, doi: 10.1061/(ASCE)0733-947X(2006)132:2(141)
- [39] K. A. Abaza, "Simplified Markovian-based pavement management model for sustainable long-term rehabilitation planning," *Road Materials and Pavement Design*, vol. 24, no. 3, 2023, doi:10.1080/14680629.2022.2048055.
- [40] A. S. Sati, S. Abu Dabous, and W. Zeida, "Pavement Deterioration Model Using Markov Chain and International Roughness Index," in *IOP Conference Series: Materials Science and Engineering*, 2020, doi: 10.1088/1757-899X/812/1/012012.