

**Daftar Pustaka**

- [1] Q. Li *et al.*, “Early Transmission Dynamics in Wuhan, China, of Novel Coronavirus–Infected Pneumonia,” *N. Engl. J. Med.*, vol. 382, no. 13, pp. 1199–1207, 2020.
- [2] S. B. Brosnahan, A. H. Jonkman, M. C. Kugler, J. S. Munger, and D. A. Kaufman, “COVID-19 and Respiratory System Disorders: Current Knowledge, Future Clinical and Translational Research Questions,” *Arterioscler. Thromb. Vasc. Biol.*, vol. 40, no. 11, pp. 2586–2597, 2020.
- [3] H. Harapan *et al.*, “Coronavirus disease 2019 (COVID-19): A literature review,” *J. Infect. Public Health*, vol. 13, no. 5, pp. 667–673, 2020.
- [4] M. N. Alenezi, F. S. Al-Anzi, and H. Alabdulrazzaq, “Building a sensible SIR estimation model for COVID-19 outbreak in Kuwait,” *Alexandria Eng. J.*, vol. 60, no. 3, pp. 3161–3175, 2021.
- [5] W. C. Roda, M. B. Varughese, D. Han, and M. Y. Li, “Why is it difficult to accurately predict the COVID-19 epidemic?,” *Infect. Dis. Model.*, vol. 5, pp. 271–281, 2020.
- [6] I. Cooper, A. Mondal, and C. G. Antonopoulos, “Dynamic tracking with model-based forecasting for the spread of the COVID-19 pandemic,” *Chaos, Solitons and Fractals*, vol. 139, p. 110298, 2020.
- [7] B. Malavika, S. Marimuthu, M. Joy, A. Nadaraj, E. S. Asirvatham, and L. Jeyaseelan, “Forecasting COVID-19 epidemic in India and high incidence states using SIR and logistic growth models,” *Clin. Epidemiol. Glob. Heal.*, vol. 9, no. May 2020, pp. 26–33, 2021.
- [8] A. Guirao, “The Covid-19 outbreak in Spain. A simple dynamics model, some lessons, and a theoretical framework for control response,” *Infect. Dis. Model.*, vol. 5, pp. 652–669, 2020.
- [9] Y. Workineh, H. Mekonnen, and B. Belew, “Numerical methods for solving second-order initial value problems of ordinary differential equations with Euler and Runge-Kutta fourth-order methods,” *Front. Appl. Math. Stat.*, vol. 10, 2024.
- [10] H. A. Rothan and S. N. Byrareddy, “The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak,” *J. Autoimmun.*, vol. 109, no. February, p. 102433, 2020.
- [11] A. Kumar *et al.*, “Wuhan to World: The COVID-19 Pandemic,” *Front. Cell. Infect. Microbiol.*, vol. 11, no. March, pp. 1–21, 2021.
- [12] H. Li, S. M. Liu, X. H. Yu, S. L. Tang, and C. K. Tang, “Coronavirus disease 2019 (COVID-19): current status and future perspectives,” *Int. J. Antimicrob. Agents*, vol. 55, no. 5, p. 105951, 2020.
- [13] R. Jayatilaka *et al.*, “A mathematical model of COVID-19 transmission,” *Mater. Today Proc.*, vol. 54, pp. 101–112, 2021.
- [14] P. Shahrear, S. M. S. Rahman, and M. M. H. Nahid, “Prediction and mathematical analysis of the outbreak of coronavirus (COVID-19) in Bangladesh,” *Results Appl. Math.*, vol. 10, p. 100145, 2021.
- [15] H. A. Adamu, M. Muhammad, A. M. Jingi, and M. A. Usman, “Mathematical modelling using improved SIR model with more realistic assumptions 65 www.ijeas.org III. LITERATURE REVIEW,” no. 1, pp. 64–69, 2019.
- [16] N. Zealand, “history of Runge-Kutta methods,” vol. 20, pp. 247–260, 1996.
- [17] Y. Jaradat and A. Manasrah, “Review of Data Imputation Techniques in Time Series Data : Comparative Analysis,” vol. 27, pp. 122–129, 2024.
- [18] A. B. P. Utama, A. P. Wibawa, A. N. Handayani, W. S. G. Irianto, Aripriharta, and A. Nyoto, “Improving Time-Series Forecasting Performance Using Imputation Techniques in Deep Learning,” *2024 Int. Conf. Smart Comput. IoT Mach. Learn. SIML 2024*, pp. 232–238, 2024.
- [19] Ž. Vujović, “Classification Model Evaluation Metrics,” *Int. J. Adv. Comput. Sci. Appl.*, vol. 12, no. 6, pp. 599–606, 2021.