

DAFTAR PUSTAKA

- [1] Kemenkes, “Informasi Tentang Virus Corona (COVID-19),” 2020. <https://ayosehat.kemkes.go.id/informasi-tentang-virus-corona-novel-coronavirus> (accessed Feb. 04, 2024).
- [2] Kemenkes, “Kasus Aktif COVID-19 Meningkat, Masyarakat Diimbau Segera Vaksinasi Booster,” 2023.
- [3] R. Singh, A. Rehman, T. Ahmed, K. Ahmad, S. Mahajan, “Mathematical modelling and analysis of COVID-19 and tuberculosis transmission dynamics,” *Informatics Med. Unlocked*, vol. 38, no. 1, p. 101235, 2023, doi: 10.1016/j imu.2023.101235.
- [4] World Health Organization, “Tuberkulosis.” World Health Organization, 2023, [Online]. Available: <https://www.who.int/indonesia/news/campaign/tb-day-2022/fact-sheets>.
- [5] Z. J. Madewell, Y. Yang, I. M. L. Jr, M. E. Halloran, and N. E. Dean, “Active or latent tuberculosis increases susceptibility to COVID-19 and disease severity,” *medRxiv*, no. 165, pp. 1–13, 2020.
- [6] F. Inayaturohmat, N. Anggriani, and A. K. Supriatna, “A mathematical model of tuberculosis and COVID-19 coinfection with the effect of isolation and treatment,” *Front. Appl. Math. Stat.*, vol. 8, 2022, doi: 10.3389/fams.2022.958081.
- [7] M. S. Goudiaby, L. D. Gning, M. L. Diagne, B. M. Dia, H. Rwezaura, and J. M. Tchuenche, “Optimal control analysis of a COVID-19 and tuberculosis co-dynamics model,” *Informatics Med. Unlocked*, vol. 28, p. 100849, 2022, doi: 10.1016/j imu.2022.100849.
- [8] R. Mahardika, “Analisis Model SEIR dari penyebaran Penyakit Tuberkulosis,” Universitas Diponegoro, 2018.
- [9] H. F. Huo and M. X. Zou, “Modelling effects of treatment at home on tuberculosis transmission dynamics,” *Appl. Math. Model.*, vol. 40, no. 21–

- 22, pp. 9474–9484, 2016, doi: 10.1016/j.apm.2016.06.029.
- [10] T. Nurdianti, “Analisis Kestabilan Model Epidemik SEIQRD pada Penyebaran Penyakit COVID-19,” Universitas Diponegoro, 2022.
 - [11] D. K. Mamo, “Model the transmission dynamics of COVID-19 propagation with public health intervention,” *Results Apps Math*, vol. 7, p. 100123, 2020.
 - [12] H. L. Saputra, “Analisis Model Penyebaran Penyakit Tuberkulosis dengan Laju Infeksi Tersaturasi dan Efek Pengobatan,” Universitas Diponegoro, 2019.
 - [13] S. Bowong and J. J. Tewa, “Mathematical analysis of a tuberculosis model with differential infectivity,” *Commun. Nonlinear Sci. Numer. Simul.*, vol. 14, no. 11, pp. 4010–4021, 2009, doi: 10.1016/j.cnsns.2009.02.017.
 - [14] A. R. Azhiira, “Analisis Model SIRD Penyebaran COVID - 19 dengan Jarak dan Vaksinasi,” Universitas Diponegoro, 2022.
 - [15] M. M. Ojo, O. J. Peter, E. F. D. Goufo, H. S. Panigoro, and F. A. Oguntolu, “Mathematical model for control of tuberculosis epidemiology,” *J. Appl. Math. Comput.*, vol. 69, no. 1, pp. 69–87, Feb. 2023, doi: 10.1007/s12190-022-01734-x.
 - [16] M. H. Larsen, D. N. Dao, A. D. Baughn, K. Jalaphy, and W. R. Jacobs, “Pathogenesis of Mycobacterium Tuberculosis,” *4th Ed. Virulence Mech. Bact. Pathog.*, vol. 104, pp. 31–50, 2022, doi: 10.1128/9781555815851.ch3.
 - [17] H. Rwezaura, M. L. Diagne, A. Omame, A. L. de Espindola, and J. M. Tchuenche, “Mathematical modeling and optimal control of SARS-CoV-2 and tuberculosis co-infection: a case study of Indonesia,” *Model. Earth Syst. Environ.*, vol. 8, no. 4, pp. 5493–5520, 2022, doi: 10.1007/s40808-022-01430-6.
 - [18] P. A. Larasati and D. Sulistianingsih, “Urgensi Edukasi Program Vaksinasi Covid-19 Berdasarkan Peraturan Menteri Kesehatan Nomor 10 Tahun,” *J.*

- Pengabdian Huk. Indones.*, vol. 4, no. 1, pp. 99–111, 2021.
- [19] Y. S. Indah Emilia Wijayanti, Sri Wahyuni, *Dasar-Dasar Aljabar Linear dan Penggunaannya dalam Berbagai Bidang*. Gajah Mada University Press, 2018.
 - [20] S. J. Leon, *Linear algebra with applications*, 9th ed., vol. 36, no. 08. University of Massachusetts, 2015.
 - [21] Y. Susanti, S. Wahyuni, U. Isnaini, and I. Ernanto, *Aljabar Linear Elementer*. Gajah Mada University Press, 2023.
 - [22] D. A. Brannan, *A First Course in Mathematical Analysis*. New York: Cambridge University Press, 2006.
 - [23] H. Anton, *Elementary Linear Algebra*, 9th ed. 2004.
 - [24] Kartono, *Persamaan Diferensial Biasa : Model Matematika Fenomena Perubahan*, 1st ed. Yogyakarta: Graha Ilmu, 2012.
 - [25] Widowati and Sutimin, *Pemodelan Matematika Analisis dan Aplikasinya*. Semarang: Undip Press, 2013.
 - [26] Kasbawati, “Analisis Numerik Model Epidemiologi SIR dengan Faktor Difusi,” *J. Mat. Stat. Komputasi*, vol. 7, no. 2, pp. 98–107, 2011.
 - [27] R. K. Nagle, E. B. Saff, and A. D. Snider, *Fundamentals of differential equations and boundary value problems*. 2004.
 - [28] H. M. Yang, “BioSystems The basic reproduction number obtained from Jacobian and next generation matrices – A case study of dengue transmission modelling,” *BioSystems*, vol. 126, pp. 52–75, 2014, doi: 10.1016/j.biosystems.2014.10.002.
 - [29] R. Resmawan and L. Yahya, “Sensitivity Analysis of Mathematical Model of Coronavirus Disease (COVID-19) Transmission,” *CAUCHY J. Mat. Murni dan Apl.*, vol. 6, no. 2, pp. 91–99, 2020, doi: 10.18860/ca.v6i2.9165.

- [30] L. Edelstein and Keshet, *Mathematical Models in Biology*. New York: SIAM, 2005.
- [31] L. Michael Y, *An Introduction to Mathematical Modeling of Infectious Disease*. Canada: Springer International Publishing, 2018.
- [32] J. Li, Y. Xiao, F. Zhang, and Y. Yang, “An Algebraic Approach to Proving the Global Stability of a Class of Epidemic Models,” *Nonlinear Anal. Real World Appl.*, vol. 13, no. 5, pp. 2006–2016, 2012.
- [33] C. Castillo-chavez, “DYNAMICAL MODELS OF TUBERCULOSIS AND THEIR APPLICATIONS Carlos Castillo-Chavez,” vol. 1, no. 2, pp. 361–404, 2004.
- [34] Y. A. Adi, L. Aryati, F. Adi-Kusumo, and M. S. Hardianti, “Backward Bifurcation in a Mathematical Model of PI3K/Akt Pathways in Acute Myeloid Leukemia,” *Adv. Differ. Equations Control Process.*, vol. 21, no. 2, pp. 183–199, 2019, doi: 10.17654/de021020183.
- [35] A. Ridwan Lubis, D. Dasari, and F. Agustina, “Penerapan Model Mo dan Model Mt untuk Mengestimasi Ukuran Populasi Tertutup pada Data Capture-Recapture,” *EurikaMatika*, vol. 5, no. 1, 2017.
- [36] “Data Proyeksi Jumlah Kelahiran di Indonesia Hingga 2023,” *DataIndonesia.id*, 2023. <https://dataindonesia.id/> (accessed Dec. 02, 2023).
- [37] “Badan Pusat Statistik,” 2023. <https://www.bps.go.id/> (accessed Oct. 21, 2023).
- [38] “TB INDONESIA,” *Kementerian Kesehatan Republik Indonesia*, 2023. <https://tbindonesia.or.id/> (accessed Nov. 22, 2023).
- [39] “Data Pemantauan COVID-19,” *DISKOMINFOTIK Provinsi DKI Jakarta*, 2023. <https://corona.jakarta.go.id/> (accessed Nov. 23, 2023).
- [40] “Melalui Kegiatan INA-TIME 2022 Ke-4, Menkes Budi Minta 90% Penderita TBC Dapat Terdeteksi di Tahun 2024,” *Kementerian Kesehatan*,

2023. <https://p2p.kemkes.go.id/> (accessed Dec. 14, 2023).
- [41] “Vaksinasi Covid-19 Nasional,” *Kementerian Kesehatan*, 2023. <https://vaksin.kemkes.go.id/> (accessed Dec. 03, 2023).
- [42] “Penyakit Penyerta Penderita Covid-19 yang Turut Sebabkan Kematian,” *Databoks*, 2023. <https://databoks.katadata.co.id/> (accessed Dec. 10, 2023).