

## DAFTAR PUSTAKA

- Akman Yıldız, T., & Karaoğlu, E. 2019. Optimal control strategies for tuberculosis dynamics with exogenous reinfections in case of treatment at home and treatment in hospital. *Nonlinear Dynamics*, 97(4), 2643–2659.
- Anton, H., & Rorres, C. 2014. *Elementary Linear Algebra*. 9<sup>th</sup> Edition. John Wiley & Sons, Inc.
- Boyce, W. E., & DiPrima, R. C. 2012. *Elementary Differential Equations and Boundary Value Problems*. (D. Dietz, A. Scahlan-Rohrer, K. Weinstein, B. Pearson, & C. Welsh, Eds.) 10<sup>th</sup> Edition. United States of America: John Wiley & Sons, Inc.
- Brauer, F., & Castillo-Chavez, C. 2012. *Mathematical Models in Population Biology and Epidemiology* (Vol. 40). New York, NY: Springer New York.
- Bronson, R., & Costa, G. B. 2014. *Differential Equations* (Fourth). New York, NY: McGraw-Hill Education.
- Castillo-chavez, C. 2004. DYNAMICAL MODELS OF TUBERCULOSIS AND THEIR APPLICATIONS Carlos Castillo-Chavez. *Math Biosci Eng*, 1(2), 361–404.
- Chitnis, N., Hyman, J. M., & Cushing, J. M. 2008. Determining important parameters in the spread of malaria through the sensitivity analysis of a mathematical model. *Bulletin of Mathematical Biology*, 70(5), 1272–1296.
- Damayanti, A., Subiyanto, P., & Pratiwi, A. B. 2019. Nonlinear system identification model of the spread of TB disease using the genetic algorithm and multilayer perceptron. *Journal of Physics: Conference Series*, 1306(1).
- Egonmwan, A. O., & Okuonghae, D. 2019. Mathematical analysis of a tuberculosis model with imperfect vaccine. *International Journal of Biomathematics*, 12(7), 1–30.
- Fatmawati, Dyah Purwati, U., Riyudha, F., & Tasman, H. 2020. Optimal control of

a discrete age-structured model for tuberculosis transmission. *Heliyon*, 6(1), e03030.

Fraser, C., Donnelly, C. A., Cauchemez, S., Hanage, W. P., Van Kerkhove, M. D., Hollingsworth, T. D., Griffin J., Baggaley, R.F., Jenkins, H.E., Lyons, E.J. Jombart, T., Hinsley, W.R., Grassly, N.C., Balloux, F., Ghani, A.C., Ferguson, N.M., Rambaut, A., Pybus, O.G., Lopez-Gatell, H., Alpuche-Aranda, C., Chapela, L.B., Zavala, L.P., Guevara, D.M.E., Checchi, F., Garcia, E., Hugonnet, S., dan Roth, C. 2009. Pandemic Potential of a Strain of Influenza A (H1N1): Early Findings. *Science*, 324(5934), 1557–1561.

Götz, T., Altmeier, N., Bock, W., Rockenfeller, R., Sutimin, & Wijaya, K. P. 2017. Modeling dengue data from Semarang, Indonesia. *Ecological Complexity*, 30, 57–62.

Haupt, R. L., & Haupt, S. E. 2004. *practical genetic algorithms*. 2<sup>nd</sup> Edition, 2004 by John Wiley & Sons. Inc. All rights reserved.

Kemenkes RI. 2011. Pedoman nasional pengendalian tuberkulosis. *Jurnal Kesehatan Masyarakat*,

Kemenkes. 2016. *Petunjuk teknis manajemen TB Indonesia*.

Khan, M. A., Ahmad, M., Ullah, S., Farooq, M., & Gul, T. 2019. Modeling the transmission dynamics of tuberculosis in Khyber Pakhtunkhwa Pakistan. *Advances in Mechanical Engineering*, 11(6).

Kim, S., de los Reyes, A. A., & Jung, E. 2018. Mathematical model and intervention strategies for mitigating tuberculosis in the Philippines. *Journal of Theoretical Biology*, 443, 100–112.

Merkin, David. R. 1996. *Introduction to the Theory of Stability*. (F. F. Afagh & A. L. Smirnov, Eds.) 1<sup>st</sup> edition, Vol. 24. New York, NY: Springer New York.

Michalewicz, Z. 1996. *Genetic Algorithms + Data Structures = Evolution Programs*. Berlin, Heidelberg: Springer Berlin Heidelberg.