



## DAFTAR PUSTAKA

- Anton, H. dan Rorres, C., 2013, *Elementary Linear Algebra: Applications Version, Eleven Edition*, John Wiley and Sons, Inc., New York.
- Boyd, S., 2008, *Basic Lyapunov Theory*, Stanford University, Stanford.
- Dialeksis, 2022, *Irak Dilanda Demam Berdarah Misterius Tewaskan 8 Orang di Irak*, <https://www.dialeksis.com>, diakses tanggal 2 September 2023.
- Diekmann, O., Hessterbeek, J. A. P., dan Metz, J. A. J., 1990, On the definition and the computation of the basic reproduction ratio  $R_0$  in models for infectious diseases in heterogeneous populations, *Journal of Mathematical Biology*, 28, 365-382.
- Dinas Komunikasi dan Informatika Provinsi Jawa Timur, 2022, *Hari Demam Berdarah ASEAN*, Dinas Kesehatan Jawa Timur Laporkan Kasus DBD Alami Penurunan, <https://kominfo.jatimprov.go.id>, diakses tanggal 18 September 2023.
- Haddad, W. M., Chellaboina, V., dan Hui, Q., 2010, *Nonnegative and Compartimental Dynamical Systems*, Princeton University Press, Princeton.
- Kementerian Kesehatan Republik Indonesia, 2016, *Demam Berdarah Dengue*, <https://ayosehat.kemkes.go.id>, diakses tanggal 14 Februari 2023.
- Khan, M. A., 2021, Dengue Infection Modeling and Its Optimal Control Analysis in East Java, Indonesia, *Heliyon*, 7(1), 1-13.
- Lewis, F. L., Vrabie, D. L., dan Syrmos, V. L., 2012, *Optimal Control, Third Edition*, John Wiley and Sons, Inc., Hoboken, New Jersey.
- Martcheva, M., 2015, *An Introduction to Mathematical Epidemiology*, Springer, New York.



- Milev, M., 2013, *Properties and Application of M-Matrices*, University of Food Technology, Bulgaria.
- Naidu, D. S., 2002, *Optimal Control System*, CRC Press, New York.
- Olsder, G. J., dan Woude, 1997, *Mathematical Systems Theory*, Delft University Press, Delft.
- Perko, L., 2001, *Differential Equations and Dynamical System, Third Edition*, Springer, New York.
- Plemmons, R. J., 1977, M-matrix characterizations. I-nonsingular M-matrices, *Linear Algebra and Its Applications*, 18, 175-188.
- Qu, Z., 2009, *Cooperative Control of Dynamical Systems, Application to Autonomous Vehicles*, Springer-Verlag, London.
- Ross, S. L., 1984, *Differential Equations, Third Edition*, John Wiley and Sons, Inc., New York.
- Taylor, A. E. dan Mann, W. R., 1983, *Advanced Calculus, Third Edition*, John Wiley and Sons, Inc., New York.
- Van den Driessche, P. dan Watmough, J., 2002, Reproduction Numbers and Sub-Threshold Endemic Equilibria for Compartmental Models of Disease Transmission, *Mathematical Biosciences*, 180, 29-48.
- Wiggins, S., 2003, *Introduction to Applied Nonlinear Dynamical Systems and Chaos Second Edition*, Springer-Verlag, New York.
- World Health Organization (WHO), 2023, *Dengue and Severe Dengue*,  
<https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue>,  
diakses tanggal 23 November 2022.