

## DAFTAR PUSTAKA

- Alhawaris. 2019. Hepatitis C: Epidemiologi, Etiologi, dan Patogenitas. *Jurnal Sains Dan Kesehatan* 2(2): 139-150.
- Anton, H. and Rorres, C. 2013. *Elementary Linear Algebra, Eleventh Edition*. New York: John Wiley & Sons Inc.
- Badshah, Q., Nisar, K.S., Rahman, G., Agarwal, R.P., Islam, Saeed. 2021. Stochastic modeling of within host dynamics of HCV model under therapy. *Results in Physics* 22: 103826.
- Bain, L. J. dan Engelhardt, M. 1992. *Introduction to Probability and Mathematical Statistics*. California: Wadsworth Publishing Company.
- Boyd, S. 2008. *Basic Lyapunov Theory*. Stanford: Stanford University.
- Castillo-Chavez, C. dan Brauer, F. 2010. *Mathematical Models in Population Biology and Epidemiology Second Edition*. New York: Springer.
- Cui, Jing-An., Zhao, Shifang., Guo, Songbai., Bai, Yuzhen., Wang, Xiaojing., Chen, Tianmu. 2020. Global dynamics of an epidemiological model with acute and chronic HCV infections. *Applied Mathematics Letters* 103: 106203.
- Cresson, Jacky. dan Pierret, Frederic. 2016. Non standard finite difference scheme preserving dynamical properties. *Journal of Computational and Applied Mathematics* 303, 1530.
- Demailly, J.P., 2006. Analyse numrique et quations diffrentielles. Les Ulis: EDP sciences.
- Diekmann, O., Heesterbeek, J. A., & Metz, J. A. 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(4), 365382.

- Grimmet G. R, Stirzaker DR. 1992. *Probability and Random Processes*. Ed. ke-2. Oxford: Oxford University Press.
- Haddad, W.M., Chellaboina, V., dan Hui, Q. 2010. *Nonnegative and Compartmental Dynamical Systems*. Princeton: Princeton University Press.
- Hepatitis C Online, ‘[www.hepatitisc.uw.edu](http://www.hepatitisc.uw.edu),” *Natural History of HCV Infection*, 2024. [Online]. <https://www.hepatitisc.uw.edu/go/evaluation-staging-monitoring/natural-history/core-concept/all>. [Accessed: 25 April 2024].
- Houghton, M. 2009. The long and winding road leading to the identification of the hepatitis C virus. *Journal of Hepatology*. 51 (5): 93948.
- Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/Menkes/681/2019 tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana Hepatitis C.
- Kizito, M., Nampala, H., & Ariho, P. 2024. Mathematical Modelling of Tuberculosis and Hepatitis C Coinfection Dynamics with No Intervention. *Hindawi: Journal of Mathematics*, 5521979.
- Kloeden, Peter E. dan Platen, Eckhard. 1999. *Numerical Solution of Stochastic Differential Equations*. New York.
- Lestari, D., Megawati, N. Y., Susyanto, N., Adi-Kusumo, F. 2022. Qualitative behaviour of a stochastic hepatitis C epidemic model in cellular level. *Mathematical biosciences and engineering* : MBE, 19(2), 15151535.
- Martcheva, M. 2015. *An Introduction to Mathematical Epidemiology*. New York: Springer.
- Martcheva, M. dan Castillo-Chavez, C. 2003. Diseases with chronic stage in a population with varying size. *Mathematical Biosciences* 182(1), 1-25.
- Mao, X. 1997. *Stochastic Differential Equations and Their Applications*. Harwood: Chichester.

- Mickens, R.E. 1994. *Nonstandard Finite Difference Models of Differential Equations*. Singapore: World Scientific.
- Monserat, P. M. M. 1997. *Stochastic Differential Equations and Applications*. Barcelona: Facultat de Matematiques i Informatica, Universitat de Barcelona.
- Nasell, I. 2002. Stochastic models of some endemic infections. *Mathematical Biosciences* 179, 119.
- Oksendal, B. 2003. *Stochastic Differential Equations: An Introduction with Applications, Sixth Edition*. Heidelberg: Springer Verlag.
- Olsder, G. J. dan J. W. van der Woude. 2004. *Mathematical Systems Theory intermediate third edition*. The Netherlands: VSSD.
- Pan, S dan Chakrabarty, S.P. 2018. Threshold dynamics of HVC model with cell-to-cell transmission and a anon-cytolytic cure in the presence of humoral immunity. *Commun Nonlinear Sci Numer Simulat* 61, 180197.
- Pan, S dan Chakrabarty, S.P. 2020. Stochastic analysis of in-host HCV dynamics through budding and bursting process. *Communications in Nonlinear Science and Numerical Simulation* 80: 104955.
- Perko, L. 2001. *Differential Equations and Dynamical System, Third Edition*. New York: Springer.
- Raza, Ali., Baleanu, Dumitru., Khan, Zafar., Mohsin, Muhammad., Ahmed, Numan., Malik, Muhammad., Anwar, Pervez. 2023. Stochastic Analysis for the Dynamics of a Poliovirus Epidemic Model. *Computer Modeling in Engineering & Sciences* 136, 1-19.
- Qi, Ke., Liua, Zhijun., Wanga, Lianwen., Chen, Yuming. 2023. Global dynamics of a diffusive SEICR HCV model with nonlinear incidences. *Mathematics and Computers in Simulation(2023)* 206, 181197.
- Qu, Z. 2009. *Cooperative Control of Dynamical Systems, Application to Autonomous Vehicles*. London: Springer-Verlag.

- Reinharz, V., Churkin, A., Lewkiewicz, S., Dahari, H., Barash, D. 2019. A Parameter Estimation Method for Multiscale Models of Hepatitis C Virus Dynamics. *Bulletin of Mathematical Biology* 81, 36753721.
- Ross, S. L. 1984. *Differential Equations, Third Edition*. New York: John Wiley & Sons Inc.
- Ross, S. M. 1996. *Stochastic Process, Second Edition*. New York: John Willey dan Sons, Inc.
- Sahoo, P. 2008. *Probability and Mathematical Statistics*. USA: Department of Mathematics University of Louisville.
- Subanar. 2013. *Statistika Matematika: Probabilitas, Distribusi dan Asimtotis dalam Statistika*. Yogyakarta: Graha Ilmu.
- Taylor, H dan Karlin, S. 1998. *An Introduction to Stochastic Modeling (Third Edition)*. San Diego: Academic Press.
- Vujovic, V. 2020. Stability of Stochastic Model for Hepatitis C Transmission with an Isolation Stage. *Filomat* 34:14, 47954809.
- Vujovic, V. 2022. Influence of enviromental fluctuation on Hepatitis C transmission. *Mathematics and Computers in Simulation* 191, 203218.
- World Health Organization, “www.who.int,” *Hepatitis*. [Online]. <https://www.who.int/health-topics/hepatitis/about-hepatitis>. [Accessed: 15 Juli 2024].
- World Health Organization. 2022. Updated Recommendations on Treatment of Adolescents and Children with Chronic HCV Infection, And HCV Simplified Service Delivery and Diagnostics.
- World Health Organization, “www.who.int,” *Hepatitis C*, 2023. [Online]. <https://www.who.int/news-room/fact-sheets/detail/hepatitis-c>. [Accessed: 28 Februari 2024].

Wiggins, S. 2003. *Introduction to Applied Nonlinear Dynamical Systems and Chaos*. Berlin: Springer Science & Business Media.

Zhang, Y., Li, Y., Zhang, Q., Li, A. 2018. Behavior of a stochastic SIR epidemic model with saturated incidence and vaccination rules. *Physica A: Statistical Mechanics and its Applications* 501, 178187.

Zhang, S dan Xu, Xiaxia. 2017. Dynamic analysis and optimal control for a model of hepatitis C with treatment. *Commun Nonlinear Sci Numer Simulat* 46, 1425.