

DAFTAR PUSTAKA

- Ahmed, E. A.M.A. El-Sayed, dan H.A.A. Elsaka, 2006. On some Routh Hurwitz Condition for Fractional Order Differential Equation and Their Application in Lorenz, Rossler, Chua and Chen System. *Physics Letter A*. 385 : 1-4.
- Altaf Khan. (2018). Media Coverage Campaign in Hepatitis B Transmission Model. *Applied Mathematics and Computation*. Volume 331.
- Angstmann, C. N., Henry, B. I., and McGann A.V. 2016. A fractional-Order Infectivity SIR Model, *Physica A*, vol. 2016, pp. 86–93.
- Cahyono. (2010). Hepatitis B. Yogyakarta.
- Boyce, W.E. dan R.C. DiPrima. 2009. *Elementary Differential Equation and Boundary Value Problems*. Ninth Edition. John Wiley & Sons Inc. New York.
- Das, S. dan P.K Gupta. 2011. A Mathematical Model On Fractional Lotka Volterra Equations. *Journal Of Theoretical Biology*. 277: 1-6.
- Diekmann, O., Heesterbeek, J. A. P., & 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(4). doi:10.1007/bf00178324.
- Diethelm, K. 2010, *The analysis of fractional differential Equations*. Springer-Verlag. Berlin Heideberg.
- Dressche & Watmough. (2002). Reproduction Numbers and Subthreshold Endemic Equilibria for compartmental models of Disease Transmission. *Mathematical Biosciences*.
- Fred, B., & Carlos-Charez, C. 2000. *Mathematical Models in Population Biology and Epidemiologi*. New York: Springer.
- Herri, S. H. (2008). *Model Matematika Epidemiologi SIRV (Studi Kasus terhadap Bayi yang Imunisasi Campak di Kota Madya Surakarta tahun 2007)*. Skripsi. UIN Sunan Kalijaga Yogyakarta.
- Keshtkar, F. & Boutefnouchet. (2014). On stability of equilibrium points in nonlinear fractional differential equations and fractional Hamiltonian systems.
- Kementrian Kesehatan RI, 2016. "Sebagian besar kematian akibat hepatitis virus berhubungan dengan hepatitis B dan C kronis". <http://www.depkes.go.id/article/view/16042700001/sebagian-besar-kematian-akibat-hepatitis-virus-berhubungan-dengan-hepatitis-b-dan-c-kronis.html>. diakses pada tanggal 25 mei 2023.
- Kamyad, A. V. Akbari, R. and Heydari, A (2014) Mathematical modelling of transmission and optimal control of vaccination and treatment for hepatitis B virus *Comput ds Med*. doi: 10.1155/2014/475451.
- 1). Solusi Numerik Model SIR pada Penyebaran Penyakit Hepatitis B mode Perturbasi Homotopi.



- Miller, K.S & Ross,B. (1993). An Introduction to the fractional calculus and fractional diferential Equations. New York. USA.
- Muin, R. M., Toaha, S & Kasbawati 2019. Effect of vaccination and treatment on the MSEICR model of the transmission of hepatitis B virus. *J. Phys.: Conf. Ser.* 1341062031. doi: 10.1088/1742-6596/1341/6/062031.
- Podlubny, I, 1999. *Fractional differential Equation. Academic Pres.* San Diego, Calif, USA.
- Ross, B. (1997). The Development of Fractional Calculus 1695-1900.S.I.Academic,Inc.
- Scherer & Huang. (2011). The Grunwald-Letnikov method for Fractional Diferencial equations. *Computers & Mathematics with Applications*, 62, 902-917.
- Suriani, Syamsuddin Toaha, Kasbawati. (2021). Model Matematika Orde Fractional MSEICR pada Penyebaran Penyakit Hepatitis B. Vol.17,No.2.
- Tavazoei,M & Haeri,M. (2007). A Necessary Condition for double scroll attractor existence in fractional – order systems. *Phycisc Letters A*, 367.
- Tri, W., Bayu, P., & Nirmalasari, K. 2015. Pemodelan Matematika dan Analisis Stabilitas dari Penularan Penyakit Gonore. *Buletin Ilmiah Mat. Stat. dan Terapannya (Bimaster) Vol. 4, No. 1, 47-56.*
- Winarno. 2009. *Analisis Model Dinamika Virus dalam Sel.* Semarang: Universitas Negeri Semarang.
- World Health Organization, 2019. "Hepatitis in the Western Pasific".
<https://www.who.int/westernpacific/health-topics/hepatitis>. diakses pada tanggal 25 Mei 2023.

