



DAFTAR PUSTAKA

- Admin, 2020, Peneliti RI Respons Ratusan Ribu Kasus Co-rona Tidak Terdeteksi, *CNN Indonesia*, [Online]. Tersedia: <https://www.cnnindonesia.com/teknologi/20200327135520-199-487520/peneliti-ri-respons-ratusan-ribu-kasus-corona-tak-terdeteksi> [Diakses 26 Desember 2022].
- Admin, 2020, Pedoman Pencegahan dan Pengendalian COVID-19, [Online]. Terse-dia: <https://covid19.kemkes.go.id/protokol-covid-19/kmk-no-hk-01-07-menkes-413-2020-ttg-pedoman-pencegahan-dan-pengendalian-covid-19> [Diakses pada 15 Juli 2021].
- Bain, L. J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, California: Wadsworth Publishing Company.
- Boyce, W.E. dan R.C. DiPrima. 2012. *Elementary Differential Equations and Boundary Value Problems*. Tenth Edition. John Wiley and Sons, Inc. New York.
- Brauer, F. dan Castillo-Chavez, C., 2010, *Mathematical Models in Population Biology and Epidemiology*, Second Edition, Springer-Verlag, Inc., New York.
- Casagrandi R, Bolzoni L, dan Levin S, V. Andreasen. 2006. The SIRC model and Influenza A. *Mathematical Biosciences*. vol. 200. hal. 152-169.
- Din R.U, Shah, K. Ahmad, I. dan T. Abdeljawad. 2020. Study of Transmission of novel COVID-19 by using Mathematical Model. *Advances in Difference Equations*. <https://doi.org/10.1186/s13662-020-02909-1>.
- Kusumo, F.A., 2017, The dynamics of a SEIR-SIRC Antigenic Drift Influenza Mo-del. *Bull. Math. Biol.* 79 (2017) 1412-1425.



Grifoni, A., Weiskopf, D., et al., 2020, Targets of T cell responses to SARS-CoV-2 coronavirus in humans with COVID-19 disease and unexposed individuals, *Cell.*, vol. 181, hal. 1489–1501.

Grimmet G. R, Stirzaker DR. 1992. Probability and Random Processes. Ed. ke-2. Oxford University Press. Oxford.

Heffernan, J. M., Smith, R. J, dan Wahl, L. M, 2005, Perspectives on the Basic Reproduction Ratio, *The Royal Society Interface.*, vol2, pp 281-293. doi: 10.1098/r-sif.2005.0042.

Indonesia.go.id, 2020, Kasus Covid-19 Pertama, Masyarakat Jangan Panik, [Online]. Tersedia: <https://indonesia.go.id/narasi/indonesia-dalam-angka/ekonomi/kasus-covid-19-pertama-masyarakat-jangan-panik> [Diakses pada 9 September 2021].

Irons, N, J. dan Raftery, A, E. Estimating SARS-CoV-2 infections from deaths, confirmed cases, tests, and random surveys. *The Proceedings of the National Academy of Sciences(PNAS)*. vol 118 no.31.

Koyama, T., Platt, D.E., dan Parida, L. 2020. Variant Analysis of COVID-19 Genomes. Yotktown Heights, NY: IBM TJ Watson Research Center.

Li, H. dan S. Guo. 2017. Dynamics of a SIRC Epidemiological Model. *Journal of Differential Equations*. vol. 121. hal 1-18.

Mao, X. 1997. Stochastic Differential Equations and Their Applications. Horwood, Chichester.

Monserrat, P. M. M. 1997. Stochastic Differential Equations and Applications. Facultat de Matematiques i Informatica. Universitat de Barcelona.

Ming, W., Huang, J.V., Zhang, C.J.P. 2020. *Breaking down of the healthcare system: mathematical modelling for controlling the novel coronavirus (2019-nCoV) outbreak in Wuhan China*. <https://doi.org/10.1101/2020.01.27.922443>



Nåsell, I, 2000, Stochastic Models of Some Endemic Infections, *Mathematical Biosciences.*, **179**, 1-19.

Nagle, R. K., Saff, E. B., dan Snider, A. D. 2012. Fundamentals of Differential Equations and Boundary Value Problems (Sixth ed.). USA: Pearson Education, Inc.

Nesteruk, I. 2020. Statistics-based predictions of coronavirus epidemic spreading in mainland China. *Innovative Biosystems and Bioengineering*. <https://doi.org/10.20535/ibb.2020.4.1.195074>

Oksendal, B, 2003, Stochastic Differential Equations: An Introduction with Applications, Sixth Edition, Heidelberg: Springer Verlag.

Paul, A.K. dan Kuddus, Md.A. 2022. Mathematical analysis of a COVID-19 model with double dose vaccination in Bangladesh. *Result in Physics*.

Perko, L, 2001, Differential Equations and Dynamical Systems, Third Edition, New York: Springer-Verlag Berlin Heidelberg.

Rihan, F.A., Alsakaji, H.J dan C. Rajivganthi. 2020. Stochastic SIRC Epidemic Model with Time Delay for COVID-19. *Advance in Difference Equations*. <https://doi.org/10.1186/s13662-020-02964-8>

Ross, S. M. 1996. Stochastic Process. Second Edition. John Willey dan Sons, Inc. New York.

Sahoo, P. 2008. Probability and Mathematical Statistics. Department of Mathematics University of Louisville, USA.

Shakhani, M. Q. dan Salimifard, K. 2021. Predicting the dynamical behavior of COVID-19 epidemic and the effect of control strategies. *Chaos, Solitons and Fractals*. <https://doi.org/10.1016/j.chaos.2021.110823>

Subanar. 2013. Statistika Matematika: Probabilitas, Distribusi dan Asimtotis dalam Statistika. Graha Ilmu. Yogyakarta.



Tang, B., Wang, X., Li, Q., Bragazzi, N.L., Tang, S., Xiao, Y., Wu, J. 2020. Estimation of the transmission risk of the 2019-ncov and its implication for public health interventions. *Journal of Clinical Medicine*. <https://doi.org/10.3390/jcm9020462>

Taylor, H dan Karlin, S. 1998. An Introduction to Stochastic Modeling (Third Edition). Academic Press. San Diego.

World Health Organization. (2020b). Transmission of SARS-CoV-2: implications for infection prevention precautions. Scientific brief, 09 July 2020.

Zhang, G. 2018. Threshold Dynamics of the Stochastic SIRC Epidemic Model. *Journal of Applied Mathematics and Physics*. <https://doi.org/10.4236/jamp.2018.612210>

Zhang, Z. Zeb, A. Hussain, S. dan E. Alzahrani. 2020. Dynamical of COVID-19 mathematical model with stochastic perturbation. *Advances in Difference Equations*.