

## DAFTAR PUSTAKA

- [1] World Health Organization, "Timeline of WHO's response to COVID-19," *17 April*, 2020. [https://www.who.int/emergencies/diseases/novel-coronavirus-2019/interactive-timeline?gclid=CjwKCAjw4\\_H6BRALEiwAvgfzq6y1ggdNLX0fCVjm5BRmoVpFnyrflL9LSIAfuV-rMRrY-hn-zfRmiRoCimEQAvD\\_BwE#event-115](https://www.who.int/emergencies/diseases/novel-coronavirus-2019/interactive-timeline?gclid=CjwKCAjw4_H6BRALEiwAvgfzq6y1ggdNLX0fCVjm5BRmoVpFnyrflL9LSIAfuV-rMRrY-hn-zfRmiRoCimEQAvD_BwE#event-115) (accessed Sep. 13, 2020).
- [2] Gugus Tugas, "Beranda | Gugus Tugas Percepatan Penanganan COVID-19," *Beranda - covid19.go.id*. pp. 1–1, 2020, Accessed: Sep. 15, 2020. [Online]. Available: <https://www.covid19.go.id/>.
- [3] Ihsannuddin, "Fakta Lengkap Kasus Pertama Virus Corona di Indonesia Halaman all - Kompas.com," *Nasional Kompas*, 2020. <https://nasional.kompas.com/read/2020/03/03/06314981/fakta-lengkap-kasus-pertama-virus-corona-di-indonesia?page=all> (accessed Sep. 17, 2020).
- [4] Gugus Tugas, "Pasien Sembuh COVID-19 Jadi 21.909, Kasus Positif Bertambah 1.385 - Berita Terkini | Gugus Tugas Percepatan Penanganan COVID-19," *covid19.go.id*, 2020. <https://covid19.go.id/p/berita/pasien-sembuh-mencapai-152458-kasus> (accessed Sep. 14, 2020).
- [5] Kementerian Keuangan Negara, "Pemerintah Waspada Dampak Pandemi Covid-19 Terhadap Ekonomi Indonesia," *kemenkeu.go.id*, 2020. <https://www.kemenkeu.go.id/publikasi/siaran-pers/siaran-pers-pemerintah-waspada-dampak-pandemi-covid-19-terhadap-ekonomi-indonesia/> (accessed Sep. 13, 2020).
- [6] S. J. Taylor and B. Letham, "Business Time Series Forecasting at Scale," *PeerJ Prepr.* *5e3190v2*, vol. 35, no. 8, pp. 48–90, 2017, doi: 10.7287/peerj.preprints.3190v2.
- [7] Hendratno, "COVID-19 Indonesia Dataset," *kaggle.com*, 2020. <https://www.kaggle.com/hendratno/covid19-indonesia> (accessed Sep. 17, 2020).
- [8] B. Davide, "An overview of time series forecasting models | by Davide Burba | Towards Data Science," 2019. <https://towardsdatascience.com/an-overview-of-time-series-forecasting-models-a2fa7a358fcb> (accessed Sep. 16, 2020).
- [9] M. Valipour, "Long-term runoff study using SARIMA and ARIMA models in the United States," *Meteorol. Appl.*, vol. 22, no. 3, pp. 592–598, Jul. 2015, doi: 10.1002/met.1491.
- [10] R. Rachman, "Penerapan Metode Moving Average Dan Exponential Smoothing Pada Peramalan Produksi Industri Garment," *J. Inform.*, vol. 5, no. 2, pp. 211–220, 2018, doi: 10.31311/ji.v5i2.3309.
- [11] I. R. Akolo, "Perbandingan Exponential Smoothing Holt-Winters Dan Arima Pada Peramalan Produksi Padi Di Provinsi Gorontalo," *J. Technopreneur*, vol. 7, no. 1, pp. 20–26, Jun. 2019, doi: 10.30869/jtech.v7i1.314.
- [12] T. Safitri, N. Dwidayati, and K. Kunci, "Perbandingan Peramalan Menggunakan Metode Eksponential Holt-Winters Smoothing dan Arima," *Unnes J. Math.*, vol. 6, no. 1, pp. 48–58, Oct. 2017, doi: 10.15294/ujm.v6i1.11717.
- [13] A. Syukron and A. Subekti, "Penerapan Metode Random Over-Under Sampling

- dan Random Forest Untuk Klasifikasi Penilaian Kredit,” *J. Inform.*, vol. 5, no. 2, pp. 175–185, 2018, doi: 10.31311/ji.v5i2.4158.
- [14] S. N. Edusaintek, B. Bawono, R. Wasono, and U. M. Semarang, “Perbandingan Metode Random Forest Dan Naïve Bayes Untuk Klasifikasi Debitur Berdasarkan Kualitas Kredit,” *Fmipa Unimus*, vol. 5, no. 2, pp. 343–348, 2019.
- [15] C. Chandra and S. Budi, “Analisis Komparatif ARIMA dan Prophet dengan Studi Kasus Dataset Pendaftaran Mahasiswa Baru,” *J. Tek. Inform. dan Sist. Inf.*, vol. 6, pp. 2443–2229, 2020, doi: 10.28932/jutisi.v6i2.2676.
- [16] I. Yenidogan, A. Cayir, O. Kozan, T. Dag, and C. Arslan, “Bitcoin Forecasting Using ARIMA and PROPHET,” in *UBMK 2018 - 3rd International Conference on Computer Science and Engineering*, 2018, pp. 621–624, doi: 10.1109/UBMK.2018.8566476.
- [17] World Health Organization, “COVID-19 untuk publik,” *Word Health Organization*, 2020. <https://www.who.int/indonesia/news/novel-coronavirus/qa-for-public> (accessed Oct. 01, 2020).
- [18] Gugus Tugas, “Satgas Penanganan COVID-19,” *Gugus Tugas*, 2020. <https://covid19.go.id/tanya-jawab?search=Gejala+virus+Corona> (accessed Oct. 01, 2020).
- [19] D. C. Montgomery, C. L. Jennings, and M. Kulahci, *Wiley: Introduction to Time Series Analysis and Forecasting - Douglas C. Montgomery, Cheryl L. Jennings, Murat Kulahci*. 2015.
- [20] G. A. Rob J Hyndman, “1.2 Forecasting, planning and goals | Forecasting: Principles and Practice,” 2018. <https://otexts.com/fpp2/planning.html> (accessed Sep. 29, 2020).
- [21] G. A. Rob J Hyndman, “1.4 Forecasting: Principles and Practice - Forecasting data and methods,” 2018. <https://otexts.com/fpp2/data-methods.html> (accessed Sep. 29, 2020).
- [22] G. B. Sasono, “Penentuan Time Series Stasiun-Stasiun CORS Di Wilayah Jawa Barat,” *J. Online Mhs. Bid. Tek. Geod.*, vol. 1, no. 1, Jun. 2016, Accessed: Sep. 18, 2020. [Online]. Available: <https://jom.unpak.ac.id/index.php/teknikgeodesi/article/view/91>.
- [23] L. Meazzini, “Everything You Need to Know About Time Series,” *Towards Data Science*, 2019. <https://towardsdatascience.com/everything-you-need-to-know-about-time-series-5fa1834d5b18> (accessed Sep. 30, 2020).
- [24] G. A. Rob J Hyndman, “2.2 Time plots | Forecasting: Principles and Practice,” 2018. <https://otexts.com/fpp2/time-plots.html> (accessed Sep. 26, 2020).
- [25] Brilliant Erzylia Herlin, “Plotting Data Menggunakan R. Pada kesempatan kali ini, saya akan... | by ERZYLIA HERLIN BRILIANT | Medium,” *Medium*, 2020. <https://medium.com/@16611077/plotting-data-menggunakan-r-f6252472ec74> (accessed Sep. 29, 2020).
- [26] G. A. Rob J Hyndman, “2.3 Time series patterns | Forecasting: Principles and Practice,” 2018. <https://otexts.com/fpp2/tspatterns.html> (accessed Sep. 26, 2020).
- [27] A. U. Ukhra, “Pemodelan dan Peramalan Data Deret Waktu dengan Metode Seasonal ARIMA,” *J. Mat. UNAND*, vol. 3, no. 3, p. 59, 2016, doi: 10.25077/jmu.3.3.59-67.2014.
- [28] S. D. S. Shumway. Robert H, *Time Series Analysis and Its Applications*, vol.

- 97, no. 458. 2017.
- [29] S. Palachy, "Stationarity in time series analysis - Towards Data Science," *Towards data science*, 2019. <https://towardsdatascience.com/stationarity-in-time-series-analysis-90c94f27322> (accessed Sep. 29, 2020).
- [30] M. Peixeiro, "Almost Everything You Need to Know About Time Series," *Towards Data Science*, 2019. <https://towardsdatascience.com/almost-everything-you-need-to-know-about-time-series-860241bdc578> (accessed Sep. 30, 2020).
- [31] J. Rizal and S. Akbar, "Perbandingan Uji Stasioner Data Timeseries Antara Metode : Control Chart, Correlogram, Akar Unit Dickey Fuller, dan Derajat Integrasi," *J. Gradien*, vol. 11, no. 1, pp. 1040–1046, 2015, Accessed: Sep. 23, 2020. [Online]. Available: <https://ejournal.unib.ac.id/index.php/gradien/article/view/415>.
- [32] S. Palachy, "Detecting stationarity in time series data," *Towards Data Science*, 2019. <https://towardsdatascience.com/detecting-stationarity-in-time-series-data-d29e0a21e638> (accessed Oct. 01, 2020).
- [33] P. Panday, "Predicting the 'Future' with Facebook's Prophet – Towards Data Science," *Towards Data Science*, 2019. <https://towardsdatascience.com/predicting-the-future-with-facebook-s-prophet-bdfe11af10ff> (accessed Sep. 29, 2020).
- [34] J. Yan, L. Wang, W. Song, Y. Chen, X. Chen, and Z. Deng, "A time-series classification approach based on change detection for rapid land cover mapping," *ISPRS J. Photogramm. Remote Sens.*, vol. 158, pp. 249–262, 2019, doi: 10.1016/j.isprsjprs.2019.10.003.
- [35] E. Polusmak, "Open Machine Learning Course. Topic 9. Part 2. Predicting the future with Facebook Prophet," *Towar. Data Sci.*, 2018, Accessed: Sep. 30, 2020. [Online]. Available: <https://medium.com/open-machine-learning-course/open-machine-learning-course-topic-9-part-3-predicting-the-future-with-facebook-prophet-3f3af145cdc>.
- [36] K. Krishna Rani Samal, S. Kumar Das, K. Sathya Babu, and A. Acharaya, "Time Series based Air Pollution Forecasting using SARIMA and Prophet Model," 2019, doi: 10.1145/3355402.3355417.
- [37] S. Mahmud, "Bangladesh COVID-19 Daily Cases Time Series Analysis using Facebook Prophet Model," *SSRN Electron. J.*, Jul. 2020, doi: 10.2139/ssrn.3660368.
- [38] I. M. and S. PP, "Prediction of covid-19 cases in India using prophet," *Int. J. Stat. Appl. Math.*, vol. 5, no. 4, pp. 103–106, 2020, Accessed: Oct. 02, 2020. [Online]. Available: <https://medium.com/katanaml/covid-19-growth-modeling-and->.
- [39] K. Thiyagarajan, S. Kodagoda, N. Ulapane, and M. Prasad, "A Temporal Forecasting Driven Approach Using Facebook's Prophet Method for Anomaly Detection in Sewer Air Temperature Sensor System," 2020, [Online]. Available: [https://www.techrxiv.org/articles/A\\_Temporal\\_Forecasting\\_Driven\\_Approach\\_Using\\_Facebook\\_s\\_Prophet\\_Method\\_for\\_Anomaly\\_Detection\\_in\\_Sewer\\_Air\\_Temperature\\_Sensor\\_System/12145371/1](https://www.techrxiv.org/articles/A_Temporal_Forecasting_Driven_Approach_Using_Facebook_s_Prophet_Method_for_Anomaly_Detection_in_Sewer_Air_Temperature_Sensor_System/12145371/1).
- [40] R. S. Pontoh, S. Zahroh, H. R. Nurahman, R. I. Aprillion, A. Ramdani, and D.



- I. Akmal, "Applied of feed-forward neural network and facebook prophet model for train passengers forecasting Applied of feed-forward neural network and facebook prophet model for train passengers forecasting," *J. Phys. Conf. Ser.*, 2021, doi: 10.1088/1742-6596/1776/1/012057.
- [41] A. I. Almazrouee, A. M. Almeshal, A. S. Almutairi, M. R. Alenezi, and S. N. Alhajeri, "Long-term forecasting of electrical loads in Kuwait using prophet and holt-winters models," *Appl. Sci.*, vol. 10, no. 16, 2020, doi: 10.3390/app10165627.
- [42] K. Dineva and T. Atanasova, "Osemn Process for Working Over Data Acquired By Iot," *Curr. trends Nat. Sci.*, vol. 7, no. 13, pp. 47–53, 2018.
- [43] D. C. H. Lau, "5 Steps of a Data Science Project Lifecycle," *Towards Data Science*, 2019. <https://towardsdatascience.com/5-steps-of-a-data-science-project-lifecycle-26c50372b492> (accessed Oct. 03, 2020).
- [44] C. Nantasenamat, "The Data Science Process. A Visual Guide to Standard Procedures," *Towards Data Science*, 2018. <https://towardsdatascience.com/the-data-science-process-a19eb7ebc41b> (accessed Oct. 06, 2020).
- [45] G. Will, "Scrubbing Data. One of the steps in the OSEMN method," *Medium*, 2019. <https://medium.com/@georgewillben/scrubbing-data-95614ca03fd5> (accessed Oct. 14, 2020).
- [46] Jeroen Janssens, "Chapter 7 Exploring Data - 《Data Science at the Command Line》 - 书栈网 · BookStack," *O'*, 2019. <https://www.bookstack.cn/read/data-science-at-the-command-line/8a1db58c9ed013dc.md> (accessed Oct. 06, 2020).
- [47] C. Han-Lau, "5 Steps of a Data Science Project Lifecycle," *towards data science*, 2019. <https://thelead.io/data-science/5-steps-to-a-data-science-project-lifecycle> (accessed Oct. 07, 2020).
- [48] and N. G. Brooke Anderson, Rachel Severson, "Chapter 2 Entering and cleaning data #1 | R Programming for Research," *Github*, 2020. <https://geanders.github.io/RProgrammingForResearch/entering-and-cleaning-data-1.html#data-cleaning> (accessed Oct. 19, 2020).
- [49] A. Soetewey, "Descriptive statistics in R - Stats and R," *Stats and R*, 2020. <https://www.statsandr.com/blog/descriptive-statistics-in-r/#barplot> (accessed Oct. 21, 2020).
- [50] ayundyah Kesumawati, "Visualisasi Data menggunakan ggplot2 di R (Bagian 1)," *medium*, 2018. <https://medium.com/@ayundyahkesumawati/visualisasi-data-menggunakan-ggplot2-di-r-bagian-1-f4154adec33c> (accessed Oct. 14, 2020).
- [51] Chandra Chilamakuri, M. Eldridge, and M. Fernandes, "Data manipulation with dplyr," *Cambridge Institute*, 2020. <https://bioinformatics-core-shared-training.github.io/r-intro/week4.html> (accessed Oct. 14, 2020).
- [52] J. Janssens, "Chapter 9 Modeling Data - 《Data Science at the Command Line》," *O'*, 2019. <https://www.bookstack.cn/read/data-science-at-the-command-line/c4a95e1be9ff0a9c.md> (accessed Oct. 06, 2020).
- [53] J. Janssens, "Chapter 9 Modeling Data - 《Data Science at the Command Line》," *O'*, 2019. <https://www.bookstack.cn/read/data-science-at-the-command-line/c4a95e1be9ff0a9c.md> (accessed Oct. 08, 2020).
- [54] K. Kumari, M. Bhardwaj, and S. Sharma, "OSEMN Approach for Real Time

Data Analysis,” *Int. J. Eng. Manag. Res.*, vol. 10, no. 02, pp. 107–110, 2020, doi: 10.31033/ijemr.10.2.11.



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