UNIVERSITAS
GADJAH MADA
Peramalan Penerimaan Iuran Program Jaminan Kehilangan Pekerjaan (JKP) BPJS Ketenagakerjaan Menggunakan Metode Hybrid Prophet-BiLSTM
Muhammad Nashih Ulwan, Drs. Danardono, MPH., Ph.D.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Almazrouee, A. I., Almeshal, A. M., *et al*. (2020). *Long-term forecasting of electrical loads in Kuwait using Prophet and Holt–Winters models. Applied Sciences*, 10(16), 5627.

Andari, A. (2017). Aljabar Linear Elementer. Malang: Universitas Brawijaya Press.

Anton, H., & Rorres, C. (2014). *Elementary Linear Algebra: Applications Version (11th ed.)*. USA: John Wiley & Sons.

Arslan, S.(2022). *A hybrid forecasting model using LSTM and Prophet for energy consumption with decomposition of time series data. PeerJ Computer Science*, 8:e1001.

Baffoe, S., & Andreevich, P. (2024). *Comparative Analysis of ARIMA, SARIMA and Prophet Model in Forecasting. Research & Development*, 5, 110–120.

Bates S, Hastie T, Tibshirani R. *Cross validation: What does it estimate and how well does it do it?*. Journal of the American Statistical Association. 2023;1-12. Available: https://doi.org/10.1080/01621459.2023.2197686

Bengio, Y., Simard, P., & Frasconi, P. (1994). *Learning long-term dependencies with gradient descent is difficult. IEEE Transactions on Neural Networks*, 5(2), 147–166.

Bengio Y. *Practical recommendations for gradient-based training of deep architectures*. In: Neural networks: Tricks of the trade. Berlin, Heidelberg: Springer; 2012. p. 437-478.

Brownlee, J. (2017). *Long Short-Term Memory Networks With Python*. Melbourne: Machine Learning Mastery.

UNIVERSITAS
GADJAH MADA
Peramalan Penerimaan Iuran Program Jaminan Kehilangan Pekerjaan (JKP) BPJS Ketenagakerjaan Menggunakan Metode Hybrid Prophet-BiLSTM
Muhammad Nashih Ulwan, Drs. Danardono, MPH., Ph.D.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Brockwell, P.J., & Davis, R.A. (2002). *Introduction to Time Series and Forecasting*. Springer, New York.

Chahkotahi, S., & Khashei, M. (2022). *A new non-iterative method for combining the outputs of forecasting models based on linear regression without intercept*. Journal of Modelling in Management, 17(3), 858–884. https://doi.org/10.1108/JM2-05-2021-0116

Chen, Y., Liu, M., & Zhang, L. (2023). *Multi-modal integrated monitoring algorithm for converter valves based on variational mode decomposition and bidirectional long short-term memory network. Measurement*.

Choubey, M., Chaurasiya, R. K., & Yadav, J. S. (2023). *Predicting electrical load demands using Neural Prophet-based forecasting model. Neural Computing and Applications*.

Chollet, F. (2018). *Deep Learning with Python*. Manning Publications Co.

Fausett, L. (1994). *Fundamentals of Neural Network*. USA: Prentice-Hall Inc.

Ghojogh, B. & Ghodsi, A. (2023). *Recurrent Neural Networks and Long ShortTerm Memory Networks: Tutorial and Survey*. arXiv. Available at: http://arxiv.org/abs/2304.11461

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. Cambridge: MIT Press.

Graves, A., & Schmidhuber, J. (2005). *Framewise phoneme classification with bidirectional LSTM and other neural network architectures*. Neural Networks, 18(5–6), 602–610.

Graves, A., Jaitly, N., & Mohamed, A. (2013). *Hybrid Speech Recognition with Deep Bidirectional LSTM. IEEE Workshop on Automatic Speech Recognition and Understanding*, 273–278.

Han, J., Kamber, M., & Pei, J. (2012). *Data Mining Concepts and Techniques* (3rd ed.). Boston: Elsevier.

UNIVERSITAS
GADJAH MADA
Peramalan Penerimaan Iuran Program Jaminan Kehilangan Pekerjaan (JKP) BPJS Ketenagakerjaan Menggunakan Metode Hybrid Prophet-BiLSTM
Muhammad Nashih Ulwan, Drs. Danardono, MPH., Ph.D.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Hartman, G. (2011). *Fundamentals of matrix algebra, Third Edition. CreateSpace.*

Hastie T, Tibshirani R, Friedman J. *The elements of statistical learning: Data mining, inference, and prediction*. Springer Science & Business Media; 2009.

Hochreiter, S., & Schmidhuber, J. (1997). *Long Short-Term Memory. Neural Computation*, 9(8), 1735-1780.

Hogg, R.V., McKean, J.W., & Craig, A.T. (2004). *Introduction to Mathematical Statistics* (6th ed.). Pearson Prentice Hall, New Jersey.

Kenyi, M. G. S., & Yamamoto, K. (2024). *A hybrid SARIMA-Prophet model for predicting historical streamflow time-series of the Sobat River in South Sudan. Water Resources Management*.

Kementerian Ketenagakerjaan Republik Indonesia. (2024). Kumpulan Data - Upah Minimum Kabupaten/Kota Menurut Provinsi. Diakses 13 Februari 2025, dari situs resmi Satu Data Kemnaker.

Kementerian Ketenagakerjaan Republik Indonesia. (2025). Kumpulan Data - Data Angkatan Kerja, Penduduk Bekerja, dan Pengangguran Menurut Provinsi. Diakses 13 Februari 2025, dari situs resmi Satu Data Kemnaker.

Kingma, D. P., & Ba, J. L. (2015). *Adam: A Method For Stochastic Optimization. arXiv preprint arXiv:1412.6980.*

Kwarteng, S. B., & Andreevich, P. A. (2024). *Comparative analysis of ARIMA, SARIMA and Prophet model in forecasting. International Journal of Computer Applications*.

Li, J., Wang, Z., & Xu, H. (2022). *A novel short-term load forecasting model based on Bidirectional Long Short-Term Memory and Kolmogorov-Arnold Network. Applied Energy*.

Menculini, L., Marini, A., Proietti, M., *et al*. (2022). *Comparing Prophet and deep learning to ARIMA in forecasting wholesale food prices. Foods*, 11(3), 347.

UNIVERSITAS
GADJAH MADA
Peramalan Penerimaan Iuran Program Jaminan Kehilangan Pekerjaan (JKP) BPJS Ketenagakerjaan Menggunakan Metode Hybrid Prophet-BiLSTM
Muhammad Nashih Ulwan, Drs. Danardono, MPH., Ph.D.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

NP, Sugave S. *Optimizing machine learning models: An adaptive hyperparameter tuning approach*. International Journal of Intelligent Systems and Applications in Engineering. 2023;11(4):344-354.

Papastefanopoulos, V., Linardatos, P., *et al*. (2020). *COVID-19: A comparison of time series methods to forecast percentage of active cases per population. Applied Sciences*, 10(11), 3880.

Prahutama A, Utami TW, Yasin H. *Prediksi Harga Saham Menggunakan Support Vector Regression Dengan Algoritma Grid Search*. Media Statistika. 2014;7(1):29-35.

Ragiliawan, Z., & Gunawan, B. T. (2021). Jaminan Kehilangan Pekerjaan (JKP) dalam Perspektif Belanja Negara. *Jurnal Ketenagakerjaan*, 15(1), 48.

Rosadi, D. (2014). Analisis Runtun Waktu dan Aplikasinya dengan R. Yogyakarta: *UGM Press*.

Ross, S. (2009). *A First Course in Probability* (8th ed.). Pearson Prentice Hall, New Jersey.

Rumelhart, D. E., Hinton, G. E., & Williams, R. J. (1986). *Learning representations by back-propagating errors. Nature*, 323, 533–536.

Samal, K. K., Babu, K. S., *et al*. (2019). *Time series based air pollution forecasting using SARIMA and Prophet model. In Proceedings of the 2019 International Conference on Information Technology and Computer Communications*, 80–85.

Schuster, M., & Paliwal, K. K. (1997). *Bidirectional recurrent neural networks*. IEEE Transactions on Signal Processing, 45(11), 2673–2681.

Shakeel, A., Chong, D., & Wang, J. (2023). *Load forecasting of district heating system based on improved FB-Prophet model. Energy Reports*.

Shalev-Shwartz S, Ben-David S. *Understanding machine learning: From theory to algorithms*. Cambridge University Press; 2014.

UNIVERSITAS
GADJAH MADA
Peramalan Penerimaan Iuran Program Jaminan Kehilangan Pekerjaan (JKP) BPJS Ketenagakerjaan Menggunakan Metode Hybrid Prophet-BiLSTM
Muhammad Nashih Ulwan, Drs. Danardono, MPH., Ph.D.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Shiri, F.M., Perumal, T., Mustapha, N., and Mohamed, R. (2023). *A Comprehensive Overview and Comparative Analysis on Deep Learning Models: CNN,RNN, LSTM, GRU.*

Snoek J, Larochelle H, Adams RP. *Practical bayesian optimization of machine learning algorithms*. In: Advances in neural information processing systems. 2012. p. 2951-2959.

Subanar. (2012). *Statistika Matematika: Probabilitas, Distribusi, dan Asimtotis dalam Statistika*. Yogyakarta: Graha Ilmu.

Vishwas, B., Ashish, P., *et al*. (2020). *Hands-on Time Series Analysis with Python*. Apress.

Yan W, Zhang H, Sui J, Shen D. *Deep Chronnectome Learning via Full Bidirectional Long Short-Term Memory Networks for MCI Diagnosis. Med Image Comput Comput Assist Interv*. 2018 Sep;11072:249-257. doi: 10.1007/978-3-030-00931-1_29. Epub 2018 Sep 13. PMID: 31179447; PMCID: PMC6553484.

Yenidoğan, I., Çayir, A., *et al*. (2018). *Bitcoin forecasting using ARIMA and Prophet. In 2018 3rd International Conference on Computer Science and Engineering (UBMK)*, 621–624.