

DAFTAR PUSTAKA

- Alam, F., Islam, M., Deb, A., & Hossain, S. S. (2024). Comparison of deep learning models for weather forecasting in different climatic zones. *Journal of Computer Science and Engineering (JCSE)*, 5(1), 12–19. <https://doi.org/10.36596/jcse.v5i1.729>
- Al-Selwi, S. M., Hassan, M. F., Abdulkadir, S. J., & Muneer, A. (2023). LSTM Inefficiency in Long-Term Dependencies Regression Problems. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, 30(3), 16–31. <https://doi.org/10.37934/araset.30.3.1631>
- Bhowmik, J., Irfanullah, H. M., & Selim, S. A. (2021). Empirical evidence from Bangladesh of assessing climate hazard-related loss and damage and state of adaptive capacity to address them. *Climate Risk Management*, 31. <https://doi.org/10.1016/j.crm.2021.100273>
- Bi, K., Xie, L., Zhang, H., Chen, X., Gu, X., & Tian, Q. (2023). Accurate medium-range global weather forecasting with 3D neural networks. *Nature*, 619(7970), 533–538. <https://doi.org/10.1038/s41586-023-06185-3>
- BMKG. (2022). *Peraturan Badan Meteorologi, Klimatologi, dan Geofisika Republik Indonesia Nomor 9 Tahun 2022 Tentang Penyediaan dan Penyebarluasan Peringatan Dini Cuaca Ekstrem*. 1–19.
- Chen, C., Zhang, Q., Kashani, M. H., Jun, C., Bateni, S. M., Band, S. S., Dash, S. S., & Chau, K. W. (2022a). Forecast of rainfall distribution based on fixed sliding window long short-term memory. *Engineering Applications*

of Computational Fluid Mechanics, 16(1), 248–261.
<https://doi.org/10.1080/19942060.2021.2009374>

Chen, C., Zhang, Q., Kashani, M. H., Jun, C., Bateni, S. M., Band, S. S., Dash, S. S., & Chau, K. W. (2022b). Forecast of rainfall distribution based on fixed sliding window long short-term memory. *Engineering Applications of Computational Fluid Mechanics*, 16(1), 248–261.
<https://doi.org/10.1080/19942060.2021.2009374>

Chernikov, A., Tan, C. W., Montero-Manso, P., & Bergmeir, C. (2022). *FRANS: Automatic Feature Extraction for Time Series Forecasting*.
<http://arxiv.org/abs/2209.07018>

Danova, T. E. (2023). Heat and cold waves on the Crimean Peninsula and their impact on population health. *Ekologiya Cheloveka (Human Ecology)*, 30(9), 681–694. <https://doi.org/10.17816/humeco604353>

Del Real, A. J., Dorado, F., & Durán, J. (2020). Energy demand forecasting using deep learning: Applications for the French grid. *Energies*, 13(9).
<https://doi.org/10.3390/en13092242>

Dolatabadi, A., Abdeltawab, H., & Mohamed, Y. A. R. I. (2020). Hybrid Deep Learning-Based Model for Wind Speed Forecasting Based on DWPT and Bidirectional LSTM Network. *IEEE Access*, 8, 229219–229232.
<https://doi.org/10.1109/ACCESS.2020.3047077>

El-Bakry, M., El-Kilany, A., Mazen, S., & Ali, F. (2021). Fuzzy based Techniques for Handling Missing Values. In *IJACSA) International Journal*

of Advanced Computer Science and Applications (Vol. 12, Issue 3).
www.ijacsa.thesai.org

Evoundou Gigi Norgie, Shen Zhou, Zhang Shiwen, Yakubu Yari Kate Dazagbyilo, & Abubakar Sadiq Lawi. (2024). Examining the impact of climate change on local ecosystems and communities. *International Journal of Science and Research Archive*, 13(1), 1392–1406.
<https://doi.org/10.30574/ijrsra.2024.13.1.1825>

Faturachman, R. (2025, January 12). *BMKG Beberkan Penyebab Cuaca Eskترم yang Landa Bogor Akhir-akhir Ini, Warga Diminta Waspada - Radar Bogor*. <https://radarbogor.jawapos.com/bogor/2475299526/bmkg-beberkan-penyebab-cuaca-esktrem-yang-landa-bogor-akhir-akhir-ini-warga-diminta-waspada>

Fendi Prasetyo, S., & Feri Efendi, T. (2024). Implementasi Sistem Prediksi Curah Hujan dengan Penerapan Jaringan Syaraf Tiruan Berbasis Website. *JURTIKOM*, 1(2), 1–7. <https://doi.org/10.69714/gn6nym06>

Furizal, Fawait, A. B., Maghfiroh, H., Ma'arif, A., Firdaus, A. A., & Suwarno, I. (2024). Long Short-Term Memory vs Gated Recurrent Unit: A Literature Review on the Performance of Deep Learning Methods in Temperature Time Series Forecasting. *International Journal of Robotics and Control Systems*, 4(3), 1506–1526. <https://doi.org/10.31763/ijrcs.v4i3.1546>

Gaol, G. M. L., Syafrullah, M., & Supardi, S. (2024). Comparison of Monthly Rainfall Prediction using Long Short Term Memory and Multi Layer Perceptron Methods in South Tangerang City. *Jurnal Sisfokom (Sistem*

Informasi Dan Komputer), 13(2), 293–297.

<https://doi.org/10.32736/sisfokom.v13i2.2149>

Garg, R., Barpanda, S., & Rao Salanke S, G. N. (2022). *Machine Learning Algorithms for Time Series Analysis and Forecasting*.

<https://doi.org/10.48550/arXiv.2211.14387>

Hodson, T. O. (2022). *Root mean square error (RMSE) or mean absolute error (MAE): when to use them or not*. <https://doi.org/10.5194/gmd-2022-64>

Jothidurai, Dr. A. M., Kanchan, P. D., & Raj, R. (2023). Cryptocurrency Price Prediction and Forecasting Market momentum Using Machine Learning Techniques. *International Journal for Research in Applied Science and Engineering Technology*, 11(7), 2100–2115.

<https://doi.org/10.22214/ijraset.2023.55026>

Khan, S. Z., Muzammil, N., Ghafoor, S., Khan, H., Zaidi, S. M. H., Aljohani, A. J., & Aziz, I. (2024). Quantum long short-term memory (QLSTM) vs. classical LSTM in time series forecasting: a comparative study in solar power forecasting. *Frontiers in Physics*, 12.

<https://doi.org/10.3389/fphy.2024.1439180>

Kieu Tran, T. T., Lee, T., Shin, J. Y., Kim, J. S., & Kamruzzaman, M. (2020). Deep learning-based maximum temperature forecasting assisted with meta-learning for hyperparameter optimization. *Atmosphere*, 11(5).

<https://doi.org/10.3390/ATMOS11050487>

- Kolambe, M., & Arora, S. (2024). Forecasting the Future: A Comprehensive Review of Time Series Prediction Techniques. In *J. Electrical Systems* (Vol. 20, Issue 2).
- Kraft, B., Jung, M., Körner, M., & Reichstein, M. (2020). HYBRID MODELING: FUSION of A DEEP LEARNING APPROACH and A PHYSICS-BASED MODEL for GLOBAL HYDROLOGICAL MODELING. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 43(B2), 1537–1544. <https://doi.org/10.5194/isprs-archives-XLIII-B2-2020-1537-2020>
- Kumar, B., Abhishek, N., Chattopadhyay, R., George, S., Singh, B. B., Samanta, A., Patnaik, B. S. V., Gill, S. S., Nanjundiah, R. S., & Singh, M. (2021). *Deep Learning Based Forecasting of Indian Summer Monsoon Rainfall*. <https://doi.org/10.1080/10106049.2022.2136262>
- Kurnia Tiara Putri, F., & Danny Wowor, A. (2024). Implementasi Algoritma Long Short-Term Memory dalam Prediksi Konsentrasi Gas Metana (CH₄) di Kota Salatiga. *Jurnal Teknologi Informasi Dan Komunikasi*, 8(2), 1–9. <https://doi.org/10.35870/jti>
- Lee, J., Kim, C. G., Lee, J. E., Kim, N. W., & Kim, H. (2020). Medium-term rainfall forecasts using artificial neural networks with Monte-Carlo cross-validation and aggregation for the Han River Basin, Korea. *Water (Switzerland)*, 12(6). <https://doi.org/10.3390/W12061743>

- Lee, S., Lee, Y. S., & Son, Y. (2020). Forecasting daily temperatures with different time interval data using deep neural networks. *Applied Sciences (Switzerland)*, 10(5). <https://doi.org/10.3390/app10051609>
- Lin, W. H., Wang, P., Chao, K. M., Lin, H. C., Yang, Z. Y., & Lai, Y. H. (2021). Wind power forecasting with deep learning networks: Time-series forecasting†. *Applied Sciences (Switzerland)*, 11(21). <https://doi.org/10.3390/app112110335>
- Mahan Zaky, A. (2022). Forecasting Jumlah Penggunaan Obat Digestive Enzymes dengan Algoritma GRU. *Journal of Informatics and Vocational Education*, 5(2), 48–55. <https://jurnal.uns.ac.id/joive/index>
- Mazumder, R. K., Enderami, S. A., & Sutley, E. J. (2023). A novel framework to study community-level social and physical impacts of hurricane-induced winds through synthetic scenario analysis. *Frontiers in Built Environment*, 9. <https://doi.org/10.3389/fbuil.2023.1005264>
- Meriani, A. P., & Rahmatulloh, A. (2024). Perbandingan Gated Recurrent Unit (GRU) dan Algoritma Long Short Term Memory (LSTM) Linear Refression dalam Prediksi Harga Emas Menggunakan Model Time Series. *Jurnal Informatika Dan Teknik Elektro Terapan*, 12(1). <https://doi.org/10.23960/jitet.v12i1.3808>
- Mishra, S., Bordin, C., Taharaguchi, K., & Palu, I. (2020). Comparison of deep learning models for multivariate prediction of time series wind power generation and temperature. *Energy Reports*, 6, 273–286. <https://doi.org/10.1016/j.egyr.2019.11.009>

- Narejo, S., Jawaid, M. M., Talpur, S., Baloch, R., & Pasero, E. G. A. (2021). Multi-step rainfall forecasting using deep learning approach. *PeerJ Computer Science*, 7, 1–23. <https://doi.org/10.7717/PEERJ-CS.514>
- Nazhiroh, H., Dina Fitria, Dony Permana, & Zilrahmi. (2024). PT.Telkom (Tbk) Stock Price Forecasting Using Long Short Term Memory (LSTM). *UNP Journal of Statistics and Data Science*, 2(4), 414–421. <https://doi.org/10.24036/ujsds/vol2-iss4/223>
- Newman, R., & Noy, I. (2022). *The Global Costs of Extreme Weather That Are Attributable to Climate Change*.
- Peden, A. E., Heslop, D., & Franklin, R. C. (2023). Weather-Related Fatalities in Australia between 2006 and 2019: Applying an Equity Lens. *Sustainability (Switzerland)*, 15(1). <https://doi.org/10.3390/su15010813>
- Plevris, V., Solorzano, G., Bakas, N. P., & Ben Seghier, M. E. A. (2022, June 5). Investigation of Performance Metrics in Regression Analysis and Machine Learning-Based Prediction Models. *World Congress in Computational Mechanics and ECCOMAS Congress*. <https://doi.org/10.23967/eccomas.2022.155>
- Sato, T., & Shuin, Y. (2023). Estimation of Extreme Daily Rainfall Probabilities: A Case Study in Kyushu Region, Japan. *Forests*, 14(1). <https://doi.org/10.3390/f14010147>
- Sedrakyan, A., Margaryan, V., Reshetchenko, S., & Dmitriiev, S. (2023). Physical meaning of temperature and evaluation of distribution laws (in the area of the Lake Sevan basin). *Visnyk of V.N. Karazin Kharkiv National*

University, Series Geology. Geography. Ecology, 58, 231–240.
<https://doi.org/10.26565/2410-7360-2023-58-18>

Suresh, V., Janik, P., Rezmer, J., & Leonowicz, Z. (2020). Forecasting solar PV output using convolutional neural networks with a sliding window algorithm. *Energies*, 13(3). <https://doi.org/10.3390/en13030723>

Sushanth, T. S., Siddarda, T. S., Sathvika, A., Shruthi, A., Lekha, A. S., & Kumar, T. (2024). Time Series Forecasting using RNN. *INTERANTIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT*, 08(11), 1–8. <https://doi.org/10.55041/IJSREM39164>

Tran, D. T., Kannianen, J., Gabbouj, M., & Iosifidis, A. (2021). *Bilinear Input Normalization for Neural Networks in Financial Forecasting*. 1. <http://arxiv.org/abs/2109.00983>

Varma, D., Nehansh, A., & Swathy, P. (2023). Data Preprocessing Toolkit : An Approach to Automate Data Preprocessing. *INTERANTIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT*, 07(03). <https://doi.org/10.55041/ijrem18270>

Wang, Z., Badiu, M.-A., & Coon, J. P. (n.d.). *On the Value of Information and Mean Squared Error for Noisy Gaussian Models*.

Weather Spark. (n.d.). *Iklim, Cuaca Menurut Bulan, Suhu Rata-Rata Kota Bogor (Indonesia) - Weather Spark*. Retrieved February 9, 2025, from <https://id.weatherspark.com/y/116902/Cuaca-Rata-rata-pada-bulan-in-Kota-Bogor-Indonesia-Sepanjang-Tahun>

- Yan, K., Shen, H., Wang, L., Zhou, H., Xu, M., & Mo, Y. (2020). Short-term solar irradiance forecasting based on a hybrid deep learning methodology. *Information (Switzerland)*, 11(1). <https://doi.org/10.3390/info11010032>
- Zahri, A., Adam, R., & Setiawan, E. B. (2023). Social Media Sentiment Analysis using Convolutional Neural Network (CNN) dan Gated Recurrent Unit (GRU). *Jurnal Ilmiah Teknik Elektro Komputer Dan Informatika (JITEKI)*, 9(1), 119–131. <https://doi.org/10.26555/jiteki.v9i1.25813>
- Zulfa, I. I., Novitasari, D. C. R., Setiawan, F., Fanani, A., & Hafiyusholeh, Moh. (2021). Prediction of Sea Surface Current Velocity and Direction Using LSTM. *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, 11(1), 93. <https://doi.org/10.22146/ijeis.63669>