

## DAFTAR PUSTAKA

- [1] Mollah, M. P. *An LSTM Model for Twitter Sentiment Analysis*. University of New Mexico, 2022.
- [2] Murthy, G. S. N., Allu, S. R., Andhavarapu, B., Bagadi, M., and Belusonti, M. *Text-Based Sentiment Analysis Using LSTM*. International Journal of Engineering Research & Technology (IJERT), Vol. 9, Issue 05, May 2020.
- [3] Vindua, R., Zailani, A .U. Analisis Sentimen Pemilu Indonesia Tahun 2024 Dari Media Sosial Twitter Menggunakan Python. JURIKOM (Jurnal Riset Komputer).
- [4] Gandhi, U. D., Kumar, P. M., Babu, G. C., and Karthick, G. *Sentiment Analysis on Twitter Data by Using Convolutional Neural Network (CNN) and Long Short-Term Memory (LSTM)*. Wireless Personal Communications, 2021.
- [5] Sayarizki P., Hasmawati, Nurrahmi H. Implementation of IndoBERT for Sentiment Analysis of Indonesian Presidential Candidates. Indonesian Journal on Computing. 2024.
- [6] Merdiansah R., Siska, Ali Ridha A. Analisis Sentimen Pengguna X Indonesia Terkait Kendaraan Listrik Menggunakan IndoBERT. Jurnal Ilmu Komputer dan Sistem Informasi (JIKOMSI). 2024
- [7] Imaduddin H., A'la F. Y., Nugroho Y. S. Sentiment Analysis in Indonesian Healthcare Applications using IndoBERT Approach. International Journal of Advanced Computer Science and Applications. 2023
- [8] Swathi, T., Kasiviswanath, N., and Rao, A. A., *An optimal deep learning-based LSTM for stock price prediction using Twitter sentiment analysis*. Applied Intelligence, 2022.
- [9] Nistor, S. C., Moca, M., Moldovan, D., Oprean, D. B., and Nistor, R. L., *Building a Twitter Sentiment Analysis System with Recurrent Neural Networks*. Sensors, 2021.

- [10] Hidayatullah, A. F., Cahyaningtyas, S., and Hakim, A. M. *Sentiment Analysis on Twitter using Neural Network: Indonesian Presidential Election 2019 Dataset*. IOP Conf. Ser.: Mater. Sci. Eng., Vol. 1077, 2021.
- [11] Al-Abyadh, M. H. A., Iesa, M. A. M., Abdel Azeem, H. A. H. A., Singh, D. P., Kumar, P., Abdulamir, M., and Jalali, A. *Deep Sentiment Analysis of Twitter Data Using a Hybrid Ghost Convolution Neural Network Model*. Computational Intelligence and Neuroscience, Vol. 2022, 2022.
- [12] Diwan, T., and Tembhurne, J. V. *Sentiment analysis: a convolutional neural networks perspective*. Multimedia Tools and Applications, Vol. 81, pp. 44405-44429, 2022.
- [13] Tsaniya, H., Rosadi, R., and Abdullah, A. S. *Sentiment analysis towards Jokowi's government using twitter data with convolutional neural network method*. Journal of Physics: Conference Series, Vol. 1722, 2021.
- [14] Subagio, A. W., Sari, A. P., and Sihananto, A. N. *Klasifikasi Lexicon-Based Sentiment Analysis Tragedi Kanjuruhan pada Twitter Menggunakan Algoritma Convolutional Neural Network*. Jurnal Ilmiah Sistem Informasi dan Ilmu Komputer, Vol. 4, No. 1, pp. 166-177, 2024.
- [15] Aakash, Gupta, S., and Noliya, A. URL-Based Sentiment Analysis of Product Reviews Using LSTM and GRU. *Procedia Computer Science*, 235, 1814-1823, 2024.
- [16] Khano, M. N. A. P., Saputro, D. R. S., Sutanto, and Wibowo, A. Sentiment Analysis with Long-Short Term Memory (LSTM) and Gated Recurrent Unit (GRU) Algorithms. *BAREKENG: Journal of Mathematics and Its Applications*, 17(4), 2235-2242, 2023.
- [17] Agarwal, A., and Dey, P. Sentiment Analysis using Modified GRU. 2022 Fourteenth International Conference on Information Processing (ICIP), 369-372, 2022.
- [18] Chaudhary, L., Girdhar, N., Sharma, D., Andreu-Perez, J., Doucet, A., and Renz, M. A Review of Deep Learning Models for Twitter Sentiment Analysis:

- Challenges and Opportunities. *IEEE Transactions on Computational Social Systems*, 11(3), 3550-3576, 2024.
- [19] Agu, E. O., Zevini, B. J., and Abiola, H. M. Analyzing Election Sentiments in Tweets with Gated Recurrent Units (GRU). *Asian Journal of Research in Computer Science*, 16(4), 125-132, 2023.
- [20] Mohammed, D. A., and Patel, K. A. An Improved GRU Based on Recurrent Attention Unit and Self-Attention Technique for Text Sentiment Analysis. *ICTACT Journal on Soft Computing*, 15(04), 2025.
- [21] Adam, A. Z. R., and Setiawan, E. B. 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, 2023.
- [22] Tarwoto, Nugroho, R., Azka, N., & Graha, W. S. R. Analisis Sentimen Ulasan Aplikasi Mobile JKN di Google PlayStore Menggunakan IndoBERT. *Jurnal JTIK (Jurnal Teknologi Informasi dan Komunikasi)*, 9(2), 495-505, 2025.
- [23] Alzami, F., Udayanti, E., Prabowo, D., & Megantara, R. Document preprocessing with TF-IDF to improve the polarity classification performance of unstructured sentiment analysis. *Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control*, 5(3), 2020.
- [24] Garg, N., & Sharma, K. Text pre-processing of multilingual for sentiment analysis based on social network data. *International Journal of Electrical and Computer Engineering (IJECE)*, 12(1), 776-784, 2022.
- [25] Duong, H-T., & Nguyen-Thi, T-A. A review: preprocessing techniques and data augmentation for sentiment analysis. *Computational Social Networks*, 8(1), 2021.
- [26] Rosid, M. A., Gunawan, G., & Pramana, E. Improving Text Preprocessing For Student Complaint Document Classification Using Sastrawi. *IOP Conf. Ser.: Mater. Sci. Eng.*, 874, 2020.

- [27] Y. E. Kurniawati, "What is Confusion Matrix?," School of Information Systems, BINUS University, 2024. Available: <https://sis.binus.ac.id/2024/10/31/what-is-confusion-matrix/>. [Diakses 10 Mei 2025, 15:03:42 WIB].
- [28] Firdlous D. A., Andrian R. Analisis Sentimen Publik Twitter terhadap Pemilu 2024 menggunakan Model Long Short Term Memory. SISTEMASI: Jurnal Sistem Informasi. 2023
- [29] Andriawan A. R., Mustakim, Novita R. Sentiment Analysis Classification Of Political Parties On Twitter Using Gated Recurrent Unit Algorithm And Natural Language Processing. JITE. 2024.
- [30] Geni L, Yulianti E., Sensuse D. I. Sentiment Analysis of Tweets Before the 2024 Elections in Indonesia Using IndoBERT Language Models. Jurnal Ilmiah Teknik Elektro Komputer dan Informatika (JITEKI). 2023.