

DAFTAR PUSTAKA

- [1] H. Tankovska, "Twitter: most users by country | Statista," Jan. 2022. <https://www.statista.com/statistics/242606/number-of-active-twitter-users-in-selected-countries/> (accessed May 14, 2022).
- [2] H. H. Do, P. Prasad, A. Maag, and A. Alsadoon, "Deep Learning for Aspect-Based Sentiment Analysis: A Comparative Review," *Expert Syst Appl*, vol. 118, pp. 272–299, Mar. 2019, doi: 10.1016/j.eswa.2018.10.003.
- [3] S. M. Jiménez-Zafra, M. T. Martín-Valdivia, E. Martínez-Cámara, and L. A. Ureña-López, "Combining resources to improve unsupervised sentiment analysis at aspect-level," *J Inf Sci*, vol. 42, no. 2, pp. 213–229, Apr. 2016, doi: 10.1177/0165551515593686.
- [4] L. Zhang, S. Wang, and B. Liu, "Deep learning for sentiment analysis: A survey," *WIREs Data Mining and Knowledge Discovery*, vol. 8, no. 4, Jul. 2018, doi: 10.1002/widm.1253.
- [5] L.-C. Cheng and S.-L. Tsai, "Deep learning for automated sentiment analysis of social media," in *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, Aug. 2019, pp. 1001–1004. doi: 10.1145/3341161.3344821.
- [6] G. Xu, Y. Meng, X. Qiu, Z. Yu, and X. Wu, "Sentiment Analysis of Comment Texts Based on BiLSTM," *IEEE Access*, vol. 7, pp. 51522–51532, 2019, doi: 10.1109/ACCESS.2019.2909919.
- [7] M. K. Hernandi, S. A. Wibowo, and S. Suyanto, "Sentiment Analysis Implementation For Detecting Negative Sentiment Towards Indihome In Twitter Using Bidirectional Long Short Term Memory," in *2021 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology (IAICT)*, Jul. 2021, pp. 143–147. doi: 10.1109/IAICT52856.2021.9532546.
- [8] H. Elfaik and E. H. Nfaoui, "Deep Bidirectional LSTM Network Learning-Based Sentiment Analysis for Arabic Text," *Journal of Intelligent Systems*, vol. 30, no. 1, pp. 395–412, Dec. 2020, doi: 10.1515/jisys-2020-0021.
- [9] V. Parkhe and B. Biswas, "Aspect Based Sentiment Analysis of Movie Reviews: Finding the Polarity Directing Aspects," in *2014 International Conference on Soft Computing and Machine Intelligence*, Sep. 2014, pp. 28–32. doi: 10.1109/ISCMI.2014.16.
- [10] J. Eka Sembodo, E. Budi Setiawan, and Z. Abdurahman Baizal, "Data Crawling Otomatis pada Twitter," in *INDOSC 2016*, Sep. 2016, pp. 11–16. doi: 10.21108/INDOSC.2016.111.
- [11] P. Badjatiya, S. Gupta, M. Gupta, and V. Varma, "Deep Learning for Hate Speech Detection in Tweets," in *Proceedings of the 26th International Conference on World Wide Web Companion - WWW '17 Companion*, 2017, pp. 759–760. doi: 10.1145/3041021.3054223.
- [12] K. Kumar, B. S. Harish, and H. K. Darshan, "Sentiment Analysis on IMDb Movie Reviews Using Hybrid Feature Extraction Method," *International Journal of Interactive Multimedia and Artificial Intelligence*, vol. 5, no. 5, p. 109, 2019, doi: 10.9781/ijimai.2018.12.005.
- [13] Febiana Anistya and Erwin Budi Setiawan, "Hate Speech Detection on Twitter in Indonesia with Feature Expansion Using GloVe," *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 5, no. 6, pp. 1044–1051, Dec. 2021, doi: 10.29207/resti.v5i6.3521.
- [14] S. P., O. v. Ramana Murthy, and S. Veni, "Sentiment analysis by deep learning approaches," *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, vol. 18, no. 2, p. 752, Apr. 2020, doi: 10.12928/telkomnika.v18i2.13912.
- [15] E. B. Setiawan, D. H. Widyantoro, and K. Surendro, "Feature expansion using word embedding for tweet topic classification," in *2016 10th International Conference on Telecommunication Systems Services and Applications (TSSA)*, Oct. 2016, pp. 1–5. doi: 10.1109/TSSA.2016.7871085.
- [16] G. Liu and J. Guo, "Bidirectional LSTM with attention mechanism and convolutional layer for text classification," *Neurocomputing*, vol. 337, pp. 325–338, Apr. 2019, doi: 10.1016/j.neucom.2019.01.078.
- [17] Z. Cui, R. Ke, Z. Pu, and Y. Wang, "Deep Bidirectional and Unidirectional LSTM Recurrent Neural Network for Network-wide Traffic Speed Prediction," Jan. 2018.
- [18] M. Ilse, J. M. Tomczak, and M. Welling, "Attention-based Deep Multiple Instance Learning," Feb. 2018.
- [19] A. Suresh, "What is a confusion matrix?," Nov. 17, 2020. <https://medium.com/analytics-vidhya/what-is-a-confusion-matrix-d1c0f8feda5#:~:text=A%20Confusion%20matrix%20is%20an,by%20the%20machine%20learning%20model.> (accessed May 24, 2022).
- [20] L. Demidova and I. Klyueva, "SVM classification: Optimization with the SMOTE algorithm for the class imbalance problem," in *2017 6th Mediterranean Conference on Embedded Computing (MECO)*, Jun. 2017, pp. 1–4. doi: 10.1109/MECO.2017.7977136.