# DAFTAR PUSTAKA

[1] M. Gupta and B. B. Gupta, "A survey of text mining techniques and applications," *Journal of Emerging Technologies in Web Intelligence*, vol. 11, no. 1, pp. 33–46, 2019.

[2] A. S. A. Haj, V. Amrizal, and A. Arini, "Analisis sentimen kinerja kpu pemilu 2019 menggunakan algoritma k-means dengan algoritma confix stripping stemmer," *Journal of Innovation Information Technology and Application (JINITA)*, vol. 2, pp. 9–18, 6 2020.

[3] A. F. Hidayatullah, S. Cahyaningtyas, and A. M. Hakim, "Sentiment analysis on twitter using neural network: Indonesian presidential election 2019 dataset," *IOP Conference Series: Materials Science and Engineering*, vol. 1077, p. 012001, 2 2021. [Online]. Available: https://iopscience.iop.org/article/10.1088/1757-899X/1077/1/012001https://iopscience.iop.org/article/10.1088/1757-899X/1077/1/012001/meta

[4] N. Erskine and S. Hendricks, "The use of twitter by medical journals: Systematic review of the literature," *Journal of Medical Internet Research*, vol. 23, p. e26378, 7 2021. [Online]. Available: https://www.jmir.org/2021/7/e26378

[5] D. Amrizal, Y. Yusriati, and H. Lubis, "The role of general election commission (kpu) in increasing voters' participation in langkat, medan, indonesia," *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, vol. 1, pp. 13–24, 7 2018. [Online]. Available: https://www.bircu-journal.com/index.php/birci/article/view/9

[6] M. Wankhade, A. C. S. Rao, and C. Kulkarni, "A survey on sentiment analysis methods, applications, and challenges," *Artificial Intelligence Review*, vol. 55, no. 7, pp. 5731–5780, 2022. [Online]. Available: https://doi.org/10.1007/s10462-022-10144-1

[7] M. Z. Alom, T. Taha, C. Yakopcic, S. Westberg, M. Hasan, B. Esesn, A. Awwal, and V. Asari, "The history began from alexnet: A comprehensive survey on deep learning approaches," 03 2018.

[8] R. K. Behera, M. Jena, S. K. Rath, and S. Misra, "Co-lstm: Convolutional lstm model for sentiment analysis in social big data," *Information Processing Management*, vol. 58, no. 1, p. 102435, 2021. [Online]. Available: https://www.sciencedirect.com/science/article/pii/S0306457320309286

[9] F. A. Wenando, R. Hayami, Bakaruddin, and A. Y. Novermahakim, "Tweet sentiment analysis for 2019 indonesia presidential election results using various classification algorithms," *Proceeding - 1st International*
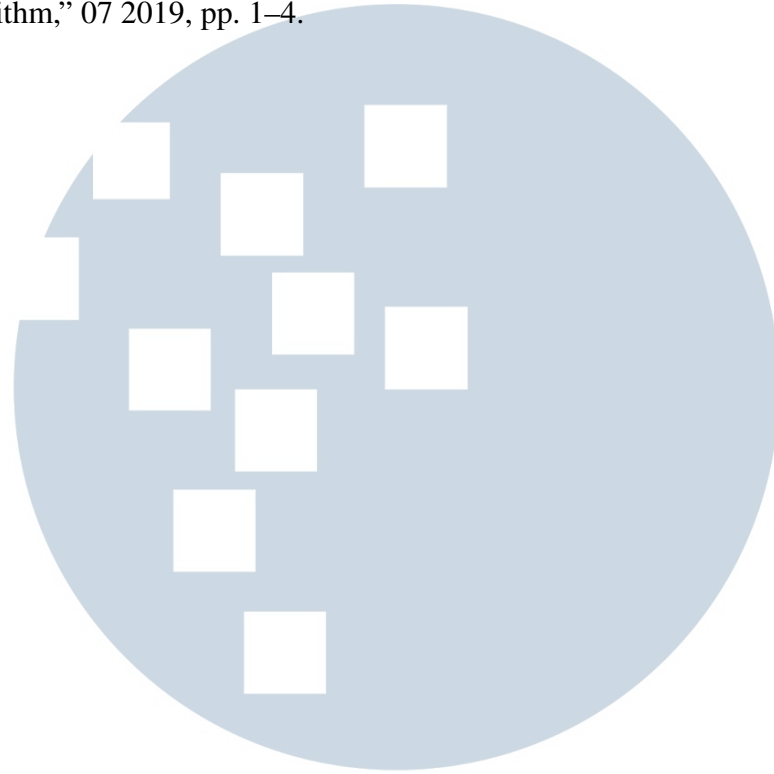
*Conference on Information Technology, Advanced Mechanical and Electrical Engineering, ICITAMEE 2020*, pp. 279–282, 10 2020.

[10] T. Radicioni, F. Saracco, E. Pavan, and T. Squartini, "Analysing twitter semantic networks: the case of 2018 italian elections," *Scientific Reports*, vol. 11, no. 1, p. 13207, 06 2021. [Online]. Available: https://doi.org/10.1038/s41598-021-92337-2

[11] J. Zhao, F. Huang, J. Lv, Y. Duan, Z. Qin, G. Li, and G. Tian, "Do RNN and LSTM have long memory?" in *Proceedings of the 37th International Conference on Machine Learning*, ser. Proceedings of Machine Learning Research, H. D. III and A. Singh, Eds., vol. 119. PMLR, 13–18 Jul 2020, pp. 11 365–11 375. [Online]. Available: https://proceedings.mlr.press/v119/zhao20c.html

[12] G. S. N. Murthy, S. R. Allu, B. Andhavarapu, M. Bagadi, and M. Belusonti, "Text based sentiment analysis using lstm," *International Journal of Engineering Research & Technology (IJERT)*, vol. 9, no. 05, pp. 299–303, May 2020, this work is licensed under a Creative Commons Attribution 4.0 International License.

[13] KPU, "Tentang kami," https://www.kpu.go.id/otentik/tentang-kami, 2021, diakses pada 6 Februari 2024.

[14] N. Hidayat and A. Rosidin, "Transformasi kpu dari institusi teknis ke institusi politik dalam proses demokratisasi," *Jurnal Sosiologi Politik*, vol. 19, no. 2, pp. 203–214, 2019.

[15] M. Wijaya, "Tantangan dan upaya reformasi komisi pemilihan umum indonesia," *Jurnal Dinamika Hukum*, vol. 18, no. 2, pp. 200–210, 2018.

[16] A. Novantirani, M. K. Sabariah, and V. Effendy, "Analisis sentimen pada twitter untuk mengenai penggunaan transportasi umum darat dalam kota dengan metode support vector machine," *eProceedings of Engineering*, vol. 2, no. 1, 2015.

[17] M. Bouazizi, "A study on text mining on twitter: Identifying opinion and detecting different forms of speech using writing patterns," Doctoral dissertation, Graduate School of Science and Technology, Keio University, August 2019.

[18] Y. Liu, Z. Du, and Y. Zhou, "The role of twitter in news sensing, understanding, and communication," *IEEE Access*, vol. 7, pp. 40 327–40 338, 2019.

[19] M. A. Riza and N. Charibaldi, "Emotion detection in twitter social media using long short-term memory (lstm) and fasttext," *International Journal of Artificial Intelligence & Robotics (IJAIR)*, vol. 3, no. 1, pp. 15–26, 2021.

[20] ——, "Emotion detection in twitter social media using long short-term memory (lstm) and fasttext," *International Journal of Artificial Intelligence & Robotics (IJAIR)*, vol. 3, no. 1, pp. 15–26, 2021.

[21] A. Kadhim, "An evaluation of preprocessing techniques for text classification," *International Journal of Computer Science and Information Security,*, vol. 16, pp. 22–32, 06 2018.

[22] A. Savary, "Overview of stemming algorithms: A comprehensive survey," *Information Processing & Management*, vol. 58, no. 2, p. 102505, 2021.

[23] X. Sun, L. Liu, X. Li, T. Guo, and Y. Wu, "A survey on opinion mining and sentiment analysis: Tasks, approaches and applications," *Information Fusion*, vol. 74, pp. 34–61, 2021.

[24] G. R. Yang and X.-J. Wang, "Artificial neural networks for neuroscientists: A primer," *Neuron*, vol. 107, no. 6, pp. 1048–1067, 2020.

[25] M. Desai and M. Shah, "An anatomization on breast cancer detection and diagnosis employing multi-layer perceptron neural network (mlp) and convolutional neural network (cnn)," *Clinical eHealth*, vol. 4, pp. 1–11, 2021. [Online]. Available: https://www.sciencedirect.com/science/article/pii/S2588914120300125

[26] Amazon Web Services. (Tidak Tersedia) Recurrent neural network (rnn). [Online]. Available: https://aws.amazon.com/id/what-is/recurrent-neural-network/

[27] B. Lindemann, T. Müller, H. Vietz, N. Jazdi, and M. Weyrich, "A survey on long short-term memory networks for time series prediction," *Procedia CIRP*, vol. 99, pp. 650–655, 1 2021.

[28] A. Moghar and M. Hamiche, "Stock market prediction using lstm recurrent neural network," *Procedia Computer Science*, vol. 170, pp. 1168–1173, 1 2020.

[29] H. Abbasimehr, M. Shabani, and M. Yousefi, "An optimized model using lstm network for demand forecasting," *Computers Industrial Engineering*, vol. 143, p. 106435, 5 2020.

[30] A. Ezen-Can, "A comparison of lstm and bert for small corpus," 9 2020. [Online]. Available: https://arxiv.org/abs/2009.05451v1

[31] G. V. Houdt, C. Mosquera, and G. Nápoles, "A review on the long short-term memory model," *Artificial Intelligence Review*, vol. 53, pp. 5929–5955, 12 2020. [Online]. Available: https://link.springer.com/article/10.1007/s10462-020-09838-1

Analisis Sentimen Publik..., Lifosmin Simon, Universitas Multimedia Nusantara

[32] M. Heydarian, T. E. Doyle, and R. Samavi, "Mlcm: Multi-label confusion matrix," *IEEE Access*, vol. 10, pp. 19 083–19 095, 2022.

[33] D. Krstinić, M. Braović, L. Šerić, and D. Božić-Štulić, "Multi-label classifier performance evaluation with confusion matrix," in *Proceedings of the International Conference on SAIM, SIPM, ACSIT, FCST, ICITE.* Computer Science & Information Technology (CS & IT), Computer Science Conference Publishing, 2020, pp. 01–14.

[34] M. Hasnain, M. F. Pasha, I. Ghani, M. Imran, M. Y. Alzahrani, and R. Budiarto, "Evaluating trust prediction and confusion matrix measures for web services ranking," *IEEE Access*, vol. 8, pp. 90 847–90 861, 2020.

[35] A. Aribowo and S. Khomsah, "Implementation of text mining for emotion detection using the lexicon method (case study: Tweets about covid-19)," *Telematika : Jurnal Informatika dan Teknologi Informasi*, vol. 18, no. 1, pp. 49–60, 2021. [Online]. Available: http://www.jurnal.upnyk.ac.id/index.php/telematika/article/view/4341

[36] V. Bonta, N. Kumaresh, and N. Janardhan, "A comprehensive study on lexicon based approaches for sentiment analysis," *Asian Journal of Computer Science and Technology*, vol. 8, no. S2, pp. 1–6, 2019. [Online]. Available: http://www.trp.org.in

[37] U. M. Fayyad, G. Piatetsky-Shapiro, P. Smyth, and R. Uthurusamy, "Knowledge discovery in databases," http://www.kdnuggets.com/gkcup/papers/fayyad-kdd96.pdf, accessed: 2024-04-08.

[38] S. I. Inc., "Semma: The data mining roadmap," https://www.sas.com/content/dam/SAS/en_us/doc/whitepaper1/semma-data-mining-roadmap-wp.pdf, accessed: 2024-04-08.

[39] C. Shearer, M. Parry, R. Hilderman, R. Vidgen, T. Clark, A. Simpson, and et al., "Crisp-dm 1.0 - step-by-step data mining guide," https://www.crisp-dm.org/1-0/Crisp-DM-1.0.2.pdf, accessed: 2024-04-08.

[40] DataCamp, "Parameter optimization for machine learning models," https://www.datacamp.com/tutorial/parameter-optimization-machine-learning-models, Accessed: 2024-06-01.

[41] J. Brownlee, "How to stop training deep neural networks at the right time using early stopping," https://machinelearningmastery.com/how-to-stop-training-deep-neural-networks-at-the-right-time-using-early-stopping/, Accessed: 2024-06-01.

[42] N. Gorgolis, I. Hatzilygeroudis, Z. Istenes, and L. Grad-Gyenge, "Hyperparameter optimization of lstm network models through genetic algorithm," 07 2019, pp. 1–4.