DAFTAR PUSTAKA

Andini, L. A., Fadiyah, D., & Nugroho, S. S. (2024). Menelaah Peran Aksi Kamisan dalam Pembentukan Strategi Gerakan. *Journal of Political Issues*, *6*(1), 38–45. https://doi.org/10.33019/jpi.v6i1.203

Cahyaningtyas, S., Hatta Fudholi, D., & Fathan Hidayatullah, A. (2021). Deep Learning for Aspect-Based Sentiment Analysis on Indonesian Hotels Reviews. *Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control*. https://doi.org/10.22219/kinetik.v6i3.1300

Cholifah, C., Hanny Hikmayanti Handayani, & Ayu Ratna Juwita. (2023). Analisis sentimen Twitter terhadap UU Omnibus Law menggunakan metode Support Vector Machine (SVM) dan Naïve Bayes Classifier (NBC). *Jurnal Informatika Teknologi dan Sains*, *4*(4), 483–488. https://doi.org/10.51401/jinteks.v4i4.2191

Devlin, J., Chang, M.-W., Lee, K., & Toutanova, K. (2022). *BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding*.

Ferdi & Vina Ayumi. (2023). Analisa sentimen mengenai kenaikan harga BBM menggunakan metode Naïve Bayes dan Support Vector Machine. *JSAI (Journal Scientific and Applied Informatics)*, *6*(1), 1–10. https://doi.org/10.36085/jsai.v6i1.4628

Ghazi, Fatih, Software Engineering, Firat University, Elazig, Turkey., & Assistant Professor, Software Engineering, Firat University, Elazig, Turkey. (2020). Twitter Sentiment Analysis using Deep Learning. *International Journal of Innovative Technology and Exploring Engineering*, *9*(7), 1040–1044. https://doi.org/10.35940/ijitee.G5814.059720

Grandini, M., Bagli, E., & Visani, G. (2020). *Metrics for Multi-Class Classification: An Overview* (arXiv:2008.05756). arXiv. https://doi.org/10.48550/arXiv.2008.05756

Handoko, H., Asrofiq, A., Junadhi, J., & Negara, A. S. (2024). Sentiment Analysis of Sirekap Tweets Using CNN Algorithm. *INTENSIF: Jurnal Ilmiah Penelitian Dan Penerapan Teknologi Sistem Informasi*, *8*(2), 312–329. https://doi.org/10.29407/intensif.v8i2.23046

Hermanto, D. T., Setyanto, A., & Luthfi, E. T. (2021). *Algoritma LSTM-CNN untuk Sentimen Klasifikasi dengan Word2vec pada Media Online*. *8*(1).

Jang, B., Kim, M., Harerimana, G., Kang, S., & Kim, J. W. (2020). Bi-LSTM Model to Increase Accuracy in Text Classification: Combining Word2vec CNN and Attention Mechanism. *Applied Sciences*, *10*(17), 5841. https://doi.org/10.3390/app10175841

Juwiantho, H., Esther Irawati, Santoso, J., & Purnomo, M. H. (2020). *Sentiment analysis Twitter bahasa Indonesia berbasis Word2Vec menggunakan Deep Convolutional Neural Network*.

Magnolia, C., Nurhopipah, A., & Kusuma, B. A. (2022). Penanganan Imbalanced Dataset untuk Klasifikasi Komentar Program Kampus Merdeka Pada Aplikasi Twitter. *Edu Komputika Journal*, *9*(2), 105–113. https://doi.org/10.15294/edukomputika.v9i2.61854

Mauluvy Senjaya, A., & Sibaroni, Y. (2025). Geospatial Sentiment Analysis of Twitter User (X) on Government Performance in Overcoming Floods in Jabodetabek Using IndoBERT and CNN-LSTM Methods. *Jurnal Pendidikan Dan Teknologi Indonesia*, *5*(11), 3386–3398. https://doi.org/10.52436/1.jpti.1182

Nugraha, W., Tito Julianto, M., Khoirun Najib, M., & Khatizah, E. (2026). Public Sentiment Toward the Indonesian Capital Relocation Policy on X Using a BiLSTM-CNN Model. *Jurnal Telematika*, *20*(2), 114–126. https://doi.org/10.61769/telematika.v20i2.796

Nurpandi, F., Sulaeman, F. S., & Hermawan, A. (2024). Analisis Sentimen Terhadap Kinerja Kepolisian Indonesia Menggunakan Metode Multinomial

Naive Bayes, Long Short-Term Memory, dan Lexicon-Based. *Media Jurnal Informatika*, *16*(1), 1. https://doi.org/10.35194/mji.v16i1.4165

Pane, S. F., Owen, A., & Prianto, C. (2021). Analisis Sentimen UU Omnibus Law pada Twitter Menggunakan Metode Support Vector Machine. *Jurnal Telekomunikasi dan Komputer*, *11*(2), 130. https://doi.org/10.22441/incomtech.v11i2.10874

Perumal, T., Mustapha, N., Mohamed, R., & Shiri, F. M. (2024). A Comprehensive Overview and Comparative Analysis on Deep Learning Models. *Journal on Artificial Intelligence*, *6*(1), 301–360. https://doi.org/10.32604/jai.2024.054314

Prahasto, G. S., & Setiawan, E. B. (2025). *Twitter Social Media-Based Sentiment Analysis Using Bi-LSTM Method With Genetic Algorithms Optimization*. *11*.

Prasetyo, V. R., Naufal, M. F., & Wijaya, K. (2025). Sentiment Analysis of ChatGPT on Indonesian Text using Hybrid CNN and Bi-LSTM. *Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, *9*(2), 327–333. https://doi.org/10.29207/resti.v9i2.6334

Putra, A. M. R. (2020). *Aktivisme Gerakan Aksi Kamisan Dalam Memperjuangkan Penyelesaian Hak Asasi Manusia*. *1*.

Putro, O. B. J., Jacobus, A., & Kambey, F. D. (2025). *Aspect-Based Sentiment Analysis Product Review Using CNN and Bidirectional LSTM*. *20*(2).

Ridwan, Eni Heni, & Ernawati, M. (2024). Penerapan Metode SMOTE Untuk Mengatasi Imbalanced Data Pada Klasifikasi Ujaran Kebencian. *Computer Science*, *4*(1).

Samih, A., Ghadi, A., & Fennan, A. (2023). Enhanced sentiment analysis based on improved word embeddings and XGboost. *International Journal of Electrical and Computer Engineering (IJECE)*, *13*(2), 1827. https://doi.org/10.11591/ijece.v13i2.pp1827-1836

Saputra, A. N. A., Saputro, R. E., & Saputra, D. I. S. (2025). *Enhancing Sentiment Analysis Accuracy Using SVM and Slang Word Normalization on YouTube Comments*. *9*(2).

Sembiring, A. R., & Dewa, C. K. (2025). Sentiment Analysis On Indonesian Tweets about the 2024 Election. *Sinkron*, *9*(1), 413–422. https://doi.org/10.33395/sinkron.v9i1.14481

Setyawan, M. R., Putra, F. R. B., & Ramadhani, A. (2025). Sentiment Analysis towards Jokowi Post-Presidential Term Using CNN-BiLSTM with Multi-head Attention on Platform X. *ILKOM Jurnal Ilmiah*, *17*(2), 150–161. https://doi.org/10.33096/ilkom.v17i2.2843.150-161

Sharma, D., Sabharwal, M., Goyal, V., & Vij, M. (2020). Sentiment Analysis Techniques for Social Media Data: A Review. In A. K. Luhach, J. A. Kosa, R. C. Poonia, X.-Z. Gao, & D. Singh (Eds.), *First International Conference on Sustainable Technologies for Computational Intelligence* (Vol. 1045, pp. 75–90). Springer Singapore. https://doi.org/10.1007/978-981-15-0029-9_7

Usniaty, M. T., Setyawan, Y., & Bekti, R. D. (2024). Analisis sentimen tentang implementasi Hak Asasi Manusia di Indonesia pada media sosial Twitter menggunakan Naïve Bayes dan Support Vector Machine. *Jurnal Statistika Industri dan Komputasi*, *9*(1), 75–84. https://doi.org/10.34151/statistika.v9i1.4846

Widayat, W. (2021). Analisis Sentimen Movie Review menggunakan Word2Vec dan metode LSTM Deep Learning. *JURNAL MEDIA INFORMATIKA BUDIDARMA*, *5*(3), 1018. https://doi.org/10.30865/mib.v5i3.3111

Wilie, B., Vincentio, K., Winata, G. I., Cahyawijaya, S., Li, X., Lim, Z. Y., Soleman, S., Mahendra, R., Fung, P., Bahar, S., & Purwarianti, A. (2020). IndoNLU: Benchmark and Resources for Evaluating Indonesian Natural Language Understanding. *Proceedings of the 1st Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the*

10th International Joint Conference on Natural Language Processing, 843–857. https://doi.org/10.18653/v1/2020.aacl-main.85

Xiaoyan, L., Raga, R. C., & Xuemei, S. (2022). GloVe-CNN-BiLSTM Model for Sentiment Analysis on Text Reviews. *Journal of Sensors*, *2022*, 1–12. https://doi.org/10.1155/2022/7212366

Yudi Widhiyasana, Transmissia Semiawan, Ilham Gibran Achmad Mudzakir, & Muhammad Randi Noor. (2021). Penerapan Convolutional Long Short-Term Memory untuk Klasifikasi Teks Berita Bahasa Indonesia. *Jurnal Nasional Teknik Elektro dan Teknologi Informasi*, *10*(4), 354–361. https://doi.org/10.22146/jnteti.v10i4.2438

Zakaria, D. (2022). *Digital Citizenship and Social Movements: How the Aksi Kamisan Discourse on Human Rights Enforcement Issues on Social Media*.