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## Daftar Pustaka

- [1] R. Rosemary, A. B. Wardhana, H. M. Syam, and N. Susilawati, “The Relationship Between Anonymity and Cyber Sexual Harassment by Twitter Users: A Cross-Sectional Study,” *Journal of Community Mental Health and Public Policy*, vol. 6, no. 2, pp. 95–104, Apr. 2024, doi: 10.51602/cmhp.v6i2.131.
- [2] A. P. Riyadisty and E. Fauziati, “Hate Expression Found on Twitter as a Response to Meghan Markle,” *Indonesian Journal of English Language Studies (IJELS)*, vol. 8, no. 1, pp. 45–51, Mar. 2022, doi: 10.24071/ijels.v8i1.4421.
- [3] S. Khan *et al.*, “BiCHAT: BiLSTM with deep CNN and hierarchical attention for hate speech detection,” *Journal of King Saud University - Computer and Information Sciences*, vol. 34, no. 7, pp. 4335–4344, Jul. 2022, doi: 10.1016/j.jksuci.2022.05.006.
- [4] F. Husain and O. Uzuner, “A Survey of Offensive Language Detection for the Arabic Language,” *ACM Transactions on Asian and Low-Resource Language Information Processing*, vol. 20, no. 12, Apr. 2021, doi: 10.1145/3421504.
- [5] Zhang Jiarui, Li Yingxiang, Tian Juan, and Li TogyN, “LSTM-CNN Hybrid Model for Text Classification,” IEEE, Oct. 2018. doi: 10.1109/IAEAC.2018.8577620.
- [6] H. Elzayady, K. M. Badran, and G. I. Salama, “Arabic Opinion Mining Using Combined CNN - LSTM Models,” *International Journal of Intelligent Systems and Applications*, vol. 12, no. 4, pp. 25–36, Aug. 2020, doi: 10.5815/ijisa.2020.04.03.
- [7] Hayel Khafajeh, “Cyberbullying Detection in Social Networks Using Deep Learning Based Models; A Reproducibility Study,” *The International Arab Journal of Information Technology*, vol. 21, Nov. 2024, doi: 10.34028/iajat/21/6/9.
- [8] S. Rajagopal, P. Faruki, and K. Popat, Eds., *Advancements in Smart Computing and Information Security*, vol. 1759. in Communications in Computer and Information Science, vol. 1759. Cham: Springer Nature Switzerland, 2022. doi: 10.1007/978-3-031-23092-9.
- [9] D. Sultan, M. Mendes, A. Kassenkhan, and O. Akylbekov, “Hybrid CNN-LSTM Network for Cyberbullying Detection on Social Networks using Textual Contents,” *IJACSA) International Journal of Advanced Computer Science and Applications*, vol. 14, no. 9, 2023, doi: 10.14569/IJACSA.2023.0140978.
- [10] A. J. Andika, Y. Kristian, and E. I. Setiawan, “Detection of Cyberbullying Comments on Youtube Social Media Using Convolutional Neural Network – Long Short Term Memory Network (CNN-LSTM) Method,” *Teknika*, vol. 12, no. 3, pp. 183–188, Oct. 2023, doi: 10.34148/teknika.v12i3.677.
- [11] I. A. Asqolani and E. B. Setiawan, “A Hybrid Deep Learning Approach Leveraging Word2Vec Feature Expansion for Cyberbullying Detection in Indonesian Twitter,” *Ingenierie des Systemes d'Information*, vol. 28, no. 4, pp. 887–895, Aug. 2023, doi: 10.18280/isi.280410.
- [12] W. Anggraeni, M. F. A. Kusuma, E. Riksakomara, R. P. Wibowo, Pujiadi, and S. Sumpeno, “Combination of BERT and Hybrid CNN-LSTM Models for Indonesia Dengue Tweets Classification,” *International Journal of Intelligent Engineering and Systems*, vol. 17, no. 1, pp. 813–826, 2024, doi: 10.22266/ijies2024.0229.68.
- [13] D. Fabillah, R. Auliarahmi, S. D. Setiarini, and T. Gelar, “The Investigation of Convolution Layer Structure on BERT-C-LSTM for Topic Classification of Indonesian News Headlines,” *Journal of Software Engineering, Information and Communication Technology (SEICT)*, vol. 4, no. 2, pp. 105–116, 2021, doi: 10.17509/seict.v4i2.63742.
- [14] S. D. Lestari and E. B. Setiawan, “Sentiment Analysis Based on Aspects Using FastText Feature Expansion and NBSVM Classification Method,” *Journal of Computer System and Informatics (JoSYC)*, vol. 3, no. 4, pp. 469–477, Sep. 2022, doi: 10.47065/josyc.v3i4.2202.
- [15] M. A. S. Nasution and E. B. Setiawan, “Enhancing Cyberbullying Detection on Indonesian Twitter: Leveraging FastText for Feature Expansion and Hybrid Approach Applying CNN and BiLSTM,” *Revue d'Intelligence Artificielle*, vol. 37, no. 4, pp. 929–936, Aug. 2023, doi: 10.18280/ria.370413.
- [16] D. Rifaldi, Abdul Fadil, and Herman, “PREPROCESSING TECHNIQUES IN TEXT MINING: ‘MENTAL HEALTH’ TWEET DATA,” *Decode: Jurnal Pendidikan Teknologi Informasi*, vol. 3, no. 2, pp. 161–171, Apr. 2023, doi: 10.51454/decode.v3i2.131.
- [17] W. Yulita, M. C. Untoro, M. Praseptiawan<sup>1</sup>, F. Ashari, A. Afriansyah, and A. N. Bin Che

- 
- Pee, "Automatic Scoring Using Term Frequency Inverse Document Frequency Document Frequency and Cosine Similarity," *Scientific Journal of Informatics*, vol. 10, no. 2, pp. 93–104, Apr. 2023, doi: 10.15294/sji.v10i2.42209.
- [18] A. Candra, Wella, and A. Wicaksana, "Bidirectional encoder representations from transformers for cyberbullying text detection in Indonesian social media," *International Journal of Innovative Computing, Information and Control*, vol. 17, no. 5, pp. 1599–1615, Oct. 2021, doi: 10.24507/ijicic.17.05.1599.
- [19] F. Koto, A. Rahimi, J. H. Lau, and T. Baldwin, "IndoLEM and IndoBERT: A Benchmark Dataset and Pre-trained Language Model for Indonesian NLP," *Proceedings of the 28th International Conference on Computational Linguistics*, pp. 757–770, Dec. 2020, doi: 10.18653/v1/2020.coling-main.66.
- [20] Muhammad Afif Raihan and Erwin Budi Setiawan, "Aspect Based Sentiment Analysis with FastText Feature Expansion and Support Vector Machine Method on Twitter," *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 6, no. 4, pp. 591–598, Aug. 2022, doi: 10.29207/resti.v6i4.4187.
- [21] A. Sherstinsky, "Fundamentals of Recurrent Neural Network (RNN) and Long Short-Term Memory (LSTM) Network," vol. 404, Mar. 2020, doi: 10.1016/j.physd.2019.132306.
- [22] Y. Widhiyasana, T. Semiawan, I. Gibran, A. Mudzakir, and M. R. Noor, "Convolutional Long Short-Term Memory Implementation for Indonesian News Classification," *Jurnal Nasional Teknik Elektro dan Teknologi Informasi |*, vol. 10, no. 4, pp. 354–361, Nov. 2021, doi: 10.22146/jnteti.v10i4.2438.
- [23] Dewi Widyawati and Amaliah Faradibah, "Comparison Analysis of Classification Model Performance in Lung Cancer Prediction Using Decision Tree, Naive Bayes, and Support Vector Machine," *Indonesian Journal of Data and Science*, vol. 4, no. 2, pp. 78–87, Jul. 2023, doi: 10.56705/ijodas.v4i2.76.
- [24] E. Helmund, E. Helmund, F. Fitriyani, and P. Romadiana, "Classification Comparison Performance of Supervised Machine Learning Random Forest and Decision Tree Algorithms Using Confusion Matrix," *Jurnal Sisfokom (Sistem Informasi dan Komputer)*, vol. 13, no. 1, pp. 92–97, Feb. 2024, doi: 10.32736/sisfokom.v13i1.1985.