

## DAFTAR PUSTAKA

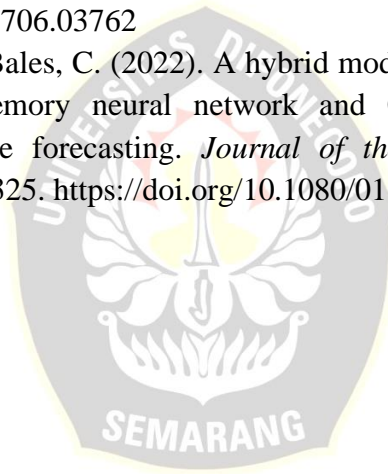
- Af'idah, D. I., Kusumaningrum, R., & Surarso, B. (2020). Long Short Term Memory Convolutional Neural Network for Indonesian Sentiment Analysis towards Touristic Destination Reviews. *International Seminar on Application for Technology of Information and Communication (iSemantic)*, 630–637.
- Alam, K. N., Khan, M. S., Dhruva, A. R., Khan, M. M., Al-Amri, J. F., Masud, M., & Rawashdeh, M. (2021). Deep Learning-Based Sentiment Analysis of COVID-19 Vaccination Responses from Twitter Data. *Computational and Mathematical Methods in Medicine*, 2021. <https://doi.org/10.1155/2021/4321131>
- Andono, P. N., Sunardi, Nugroho, R. A., & Harjo, B. (2022). Aspect-Based Sentiment Analysis for Hotel Review Using LDA, Semantic Similarity, and BERT. *International Journal of Intelligent Engineering and Systems*, 15(5), 232–243. <https://doi.org/10.22266/ijies2022.1031.21>
- Bahdanau, D., Cho, K., & Bengio, Y. (2015). Neural Machine Translation by Jointly Learning to Align and Translate. *International Conference on Learning Representations*, 1–15. <http://arxiv.org/abs/1409.0473>
- Carnett, A., Neely, L., Chen, M. T., Cantrell, K., Santos, E., & Ala'i-Rosales, S. (2022). How Might Indices of Happiness Inform Early Intervention Research and Decision Making? *Advances in Neurodevelopmental Disorders*. <https://doi.org/10.1007/s41252-022-00288-0>
- Cendani, L. M., Kusumaningrum, R., & Endah, S. N. (2023). Aspect-Based Sentiment Analysis of Indonesian-Language Hotel Reviews Using Long Short-Term Memory with an Attention Mechanism. Dalam *Emerging Trends in Intelligent Systems & Network Security* (NISS 2022, Vol. 147, hlm. 106–122). Springer, Cham. [https://doi.org/10.1007/978-3-031-15191-0\\_11](https://doi.org/10.1007/978-3-031-15191-0_11)
- Chen, X., Huang, J., Han, Z., Gao, H., Liu, M., Li, Z., Liu, X., Li, Q., Qi, H., & Huang, Y. (2020). The importance of short lag-time in the runoff forecasting model based on long short-term memory. *Journal of Hydrology*, 589. <https://doi.org/10.1016/j.jhydrol.2020.125359>
- Devlin, J., Chang, M.-W., Lee, K., Google, K. T., & Language, A. I. (2019). BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding. *Proceedings of NAACL-HLT 2019*, 4171–4186.
- Gao, Z., Li, Z., Luo, J., & Li, X. (2022). Short Text Aspect-Based Sentiment Analysis Based on CNN + BiGRU. *Applied Sciences (Switzerland)*, 12(5). <https://doi.org/10.3390/app12052707>
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning: Adaptive Computation and Machine Learning*. The MIT Press.

- Ingkafi, D. A. (2022). *Aspect-based Sentiment Analysis Dalam Pengukuran Indeks Kebahagiaan Masyarakat Kota Semarang Pada Media Sosial Twitter Menggunakan Bidirectional Encoder Representation From Transformer (BERT)* [Laporan Tugas Akhir]. Universitas Diponegoro.
- Iqbal, A., Amin, R., Iqbal, J., Alroobaea, R., Binmahfoudh, A., & Hussain, M. (2022). Sentiment Analysis of Consumer Reviews Using Deep Learning. *Sustainability (Switzerland)*, 14(17). <https://doi.org/10.3390/su141710844>
- Ishaq, A., Asghar, S., & Gillani, S. A. (2020). Aspect-Based Sentiment Analysis Using a Hybridized Approach Based on CNN and GA. *IEEE Access*, 8, 135499–135512. <https://doi.org/10.1109/ACCESS.2020.3011802>
- Jayanto, R., Kusumaningrum, R., & Wibowo, A. (2022). Aspect-based sentiment analysis for hotel reviews using an improved model of long short-term memory. *International Journal of Advances in Intelligent Informatics*, 8(3), 391. <https://doi.org/10.26555/ijain.v8i3.691>
- Kingma, D. P., & Ba, J. L. (2015). Adam: A Method for Stochastic Optimization. *Proceedings of the 3rd International Conference on Learning Representations (ICLR 2015)*, 1–15. <http://arxiv.org/abs/1412.6980>
- Koto, F., Rahimi, A., Lau, J. H., & Baldwin, T. (2020). IndoLEM and IndoBERT: A Benchmark Dataset and Pre-trained Language Model for Indonesian NLP. *Proceedings of the 28th International Conference on Computational Linguistics*, 757–770.
- Kurniawan, F., Romadhoni, Y., Zahrona, L., & Hammad, J. (2022). Comparing LSTM and CNN Methods in Case Study on Public Discussion about Covid-19 in Twitter. *International Journal of Advanced Computer Science and Applications (IJACSA)*, 13(10), 402–409. [www.ijacsa.thesai.org](http://www.ijacsa.thesai.org)
- Kusum, & Panda, S. P. (2022). Sentiment analysis using global vector and long short-term memory. *Indonesian Journal of Electrical Engineering and Computer Science*, 26(1), 414–422. <https://doi.org/10.11591/ijeecs.v26.i1.pp414-422>
- Liu. (2012). *Sentiment Analysis and Opinion Mining* (1 ed., hlm. 1–168). Morgan & Claypool Publishers. [https://doi.org/https://doi.org/10.1007/978-3-031-02145-9](https://doi.org/10.1007/978-3-031-02145-9)
- Liu, M., Wen, Z., Zhou, R., & Su, H. (2023). Bayesian optimization and ensemble learning algorithm combined method for deformation prediction of concrete dam. *Structures*, 54, 981–993. <https://doi.org/10.1016/j.istruc.2023.05.136>
- Liu, Y., & Lapata, M. (2019). Text Summarization with Pretrained Encoders. *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing*, 3730–3740.

- Luong, M.-T., Pham, H., & Manning, C. D. (2015). Effective Approaches to Attention-based Neural Machine Translation. *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 1–11. <http://arxiv.org/abs/1508.04025>
- Ma, W., & Lu, J. (2017). An Equivalence of Fully Connected Layer and Convolutional Layer. *arXiv*, *abs/1712.01252*, 1–9. <http://arxiv.org/abs/1712.01252>
- Madyatmadja, E. D., Shinta, Susanti, D., Anggreani, F., & Sembiring, D. J. M. (2022). Sentiment Analysis on User Reviews of Mutual Fund Applications. *Journal of Computer Science*, *18*(10), 885–895. <https://doi.org/10.3844/jcssp.2022.885.895>
- Meng, W., Wei, Y., Liu, P., Zhu, Z., & Yin, H. (2019). Aspect Based Sentiment Analysis with Feature Enhanced Attention CNN-BiLSTM. *IEEE Access*, *7*, 167240–167249. <https://doi.org/10.1109/ACCESS.2019.2952888>
- Nwankpa, C., Ijomah, W., Gachagan, A., & Marshall, S. (2018). Activation Functions: Comparison of trends in Practice and Research for Deep Learning. *arXiv*, 1–20. <http://arxiv.org/abs/1811.03378>
- Park, Y. H. (2022). Gradients in A Deep Learning Neural Networks and Their Python Implementations. *Korean J. Math*, *30*(1), 131–146. <https://doi.org/10.11568/kjm.2022.30.1.131>
- Raffel, C., & Ellis, D. P. W. (2016). Feed-Forward Networks with Attention Can Solve Some Long-Term Memory Problems. *International Conference on Learning Representations*, 1–6. <http://arxiv.org/abs/1512.08756>
- Rai, N., Kumar, D., Kaushik, N., Raj, C., & Ali, A. (2022). Fake News Classification using transformer based enhanced LSTM and BERT. *International Journal of Cognitive Computing in Engineering*, *3*, 98–105. <https://doi.org/10.1016/j.ijcce.2022.03.003>
- Ruby, A. U., Theerthagiri, P., Jacob, I. J., & Vamsidhar, Y. (2020). Binary cross entropy with deep learning technique for Image classification. *International Journal of Advanced Trends in Computer Science and Engineering*, *9*(4), 5393–5397. <https://doi.org/10.30534/ijatcse/2020/175942020>
- Sahlan, U. S. (2020). Measuring the Indicators of Happiness Index in Malang City. *Journal of International Conference Proceedings*, *3*(1), 273–282.
- Selva Birunda, S., & Kanniga Devi, R. (2021). A Review on Word Embedding Techniques for Text Classification. Dalam J. S. Raj, A. M. Iliyasu, R. Bestak, & Z. A. Baig (Ed.), *Lecture Notes on Data Engineering and Communications Technologies* (Vol. 59, hlm. 267–281). Springer.
- Singh, N., & Sabrol, H. (2021). Convolutional Neural Networks-An Extensive arena of Deep Learning. A Comprehensive Study. *Archives of Computational*

*Methods in Engineering*, 28(7), 4755–4780. <https://doi.org/10.1007/s11831-021-09551-4>

- Smagulova, K., & James, A. P. (2019). A survey on LSTM memristive neural network architectures and applications. Dalam *European Physical Journal: Special Topics* (Vol. 228, Nomor 10, hlm. 2313–2324). Springer Verlag. <https://doi.org/10.1140/epjst/e2019-900046-x>
- Srivastava, N., Hinton, G., Krizhevsky, A., & Salakhutdinov, R. (2014). Dropout: A Simple Way to Prevent Neural Networks from Overfitting. Dalam *Journal of Machine Learning Research* (Vol. 15).
- Suchaini, U., Nugraha, W. P. S., Dwipayana, I. K. D., & Lestari, S. A. (2021). *Indeks Kebahagiaan 2021*. Badan Pusat Statistik RI.
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, L., & Polosukhin, I. (2017). Attention Is All You Need. *31st Conference on Neural Information Processing Systems*, 1–15. <http://arxiv.org/abs/1706.03762>
- Zhang, F., Fleyeh, H., & Bales, C. (2022). A hybrid model based on bidirectional long short-term memory neural network and Catboost for short-term electricity spot price forecasting. *Journal of the Operational Research Society*, 73(2), 301–325. <https://doi.org/10.1080/01605682.2020.1843976>



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