

DAFTAR PUSTAKA

- Ahmad, M., Aftab, S., Bashir, M. S., Hameed, N., Ali, I., & Nawaz, Z. (2018). SVM Optimization for Sentiment Analysis. *International Journal of Advanced Computer Science and Applications*, 9(4), 393–398. <https://doi.org/10.14569/IJACSA.2018.090455>
- Alfarizi, M., Syafaah, L., & Lestandy, M. (2022). Emotional Text Classification Using TF-IDF (Term Frequency-Inverse Document Frequency) And LSTM (Long Short-Term Memory). *JUITA: Jurnal Informatika*, 10(2), 225–232. <https://doi.org/10.30595/juita.v10i2.13262>
- Aras, S., Yusuf, M., Ruimassa, R. Y., Wambrauw, E. A. B., & Pala'langan, E. B. (2024). Sentiment Analysis on Shopee Product Reviews Using *IndoBERT*. *Journal of Information Systems and Informatics*, 6(3), 1616–1627. <https://doi.org/10.51519/journalisi.v6i3.814>
- Asosiasi Penyelenggara Jasa Internet Indonesia. (2024, January 31). <https://apjii.or.id/berita/d/apjii-jumlah-pengguna-internet-indonesia-tembus-221-juta-orang>. <https://apjii.or.id/berita/d/apjii-jumlah-pengguna-internet-indonesia-tembus-221-juta-orang>
- Atimi, R., & Pratama, E. (2022). Implementasi Model Klasifikasi Sentimen Pada Review Produk Lazada Indonesia. *Jurnal Sains Dan Informatika*, 8, 88–96. <https://doi.org/10.34128/jsi.v8i1.419>
- Bakhsh, P., Ismail, M., Khan, M. A., Ali, M., & Memon, R. A. (2024). Optimisation of Sentiment Analysis for E-Commerce. *VFAST Transactions on Software Engineering*, 12(3), 243–262. <https://doi.org/10.21015/vtse.v12i3.1907>
- Chahal, A., & Gulia, P. (2019). Machine Learning and Deep Learning. *International Journal of Innovative Technology and Exploring Engineering*, 8(12), 4910–4914.
- Chatterjee, A., Narahari, K. N., Joshi, M., & Agrawal, P. (2019). SemEval-2019 Task 3: EmoContext Contextual Emotion Detection in Text. In J. May, E. Shutova, A. Herbelot, X. Zhu, M. Apidianaki, & S. M. Mohammad (Eds.), *Proceedings of the 13th International Workshop on Semantic Evaluation* (pp. 39–48). Association for Computational Linguistics. <https://doi.org/10.18653/v1/S19-2005>
- Chowanda, A., Sutoyo, R., Achmad, S., Widhi Andangsari, E., Muhamad Isa, S., & Chen, T.-K. (2024). Modeling Emotions Recognition On Indonesian Product Review By Combining BERT, CNN, And LSTM Architecture. *International Journal of Innovative Computing, Information and Control ICIC International c*, 2024(3), 929–944. <https://doi.org/10.24507/ijicic.20.03.929>
- Damayanti, L., & Lhaksmana, K. M. (2024). Sentiment Analysis of the 2024 Indonesia Presidential Election on Twitter. *Sinkron*, 8(2), 938–946. <https://doi.org/10.33395/SINKRON.V8I2.13379>

- Devlin, J., Chang, M. W., Lee, K., & Toutanova, K. (2018). BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding. *NAACL HLT 2019 - 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies - Proceedings of the Conference, 1*, 4171–4186. <https://arxiv.org/abs/1810.04805v2>
- Elfaladonna, F., Isa, I. G. T., Sartika, D., Putra, A. M., & others. (2024). *Buku Ajar Dasar Exploratory Data Analysis (EDA)*. Penerbit NEM.
- Fajri, F., Tutuko, B., & Sukemi, S. (2022). Membandingkan Nilai Akurasi BERT dan DistilBERT pada Dataset Twitter. *JUSIFO (Jurnal Sistem Informasi)*, 8(2), 71–80. <https://doi.org/10.19109/JUSIFO.V8I2.13885>
- Fitri, S. D., Lestari, D., Bintana, R. R., Aryani, R., Ilhami, M., & Noverina, Y. (2024). Implementasi Model Support Vector Machine Dalam Analisa Sentimen Masyarakat Mengenai Kebijakan Penerapan Aplikasi Mypertamina. *Bridge : Jurnal Publikasi Sistem Informasi Dan Telekomunikasi*, 2(2), 176–193. <https://doi.org/10.62951/bridge.v2i3.180>
- Hadiwijaya, M. A., Pirdaus, F. P., Andrews, D., Achmad, S., & Sutoyo, R. (2023). Sentiment Analysis on Tokopedia Product Reviews using Natural Language Processing. *2023 International Conference on Informatics, Multimedia, Cyber and Information Systems, ICIMCIS 2023*, 380–386. <https://doi.org/10.1109/ICIMCIS60089.2023.10348996>
- Hartinah, S. (2025). Statistik Deskriptif. In *Pengantar Ilmu Statistik* (p. 53). Duta Sains Indonesia.
- Huang, H., Zavareh, A. A., & Mustafa, M. B. (2023). Sentiment Analysis in E-Commerce Platforms: A Review of Current Techniques and Future Directions. *IEEE Access*, 11, 90367–90382. <https://doi.org/10.1109/ACCESS.2023.3307308>
- Hulvi, A., & Kusri, K. (2024). Optimasi Rekomendasi Sustainable Development Goals (SDGs) di Indonesia menggunakan Content-Based Filtering dan Algoritma Machine Learning. *Building of Informatics, Technology and Science*, 6(2), 1045–1058.
- Katole, H. J. (2022). A research article on Importance of Online Customer Reviews on Customer Purchase. *The Business and Management Review*, 24.
- Koto, F., Rahimi, A., Lau, J. H., & Baldwin, T. (2020). *IndoLEM and IndoBERT: A Benchmark Dataset and Pre-trained Language Model for Indonesian NLP*. <http://arxiv.org/abs/2011.00677>
- Mohd Nafis, N. S., & Awang, S. (2021). An Enhanced Hybrid Feature Selection Technique Using Term Frequency-Inverse Document Frequency and Support Vector Machine-Recursive Feature Elimination for Sentiment Classification. *IEEE Access*, 9, 52177–52192. <https://doi.org/10.1109/ACCESS.2021.3069001>

- Nugraha, A. C., & Irawan, M. I. (2023). Komparasi Deteksi Kecurangan pada Data Klaim Asuransi Pelayanan Kesehatan Menggunakan Metode Support Vector Machine (SVM) dan Extreme Gradient Boosting (XGBoost). *Jurnal Sains Dan Seni ITS*, 12(1), A40–A46.
- Pandia, M. (2024). Kajian Literatur Multimedia Retrieval : Machine Learning Untuk Pengenalan Wajah. *Jurnal Ilmu Komputer Dan Sistem Informasi (JIKOMSI)*, 7(1), 161–166. <https://doi.org/10.55338/jikoms.v7i1.2758>
- Pandya, S., & Mehta, P. (2020). *A Review On Sentiment Analysis Methodologies, Practices And Applications*.
- Putra, J. W. G. (2019). *Pengenalan Konsep Pembelajaran Mesin dan Deep Learning*.
- Putri, T. B., Saidah, S., Hidayat, B., Qothrunnada, F., & Darwindra, D. (2023). Deteksi Emosi Berdasarkan Sinyal Suara Manusia Menggunakan Discrete Wavelet Transform (DWT) Dengan Klasifikasi Support Vector Machine (SVM). *Jurnal Ilmu Komputer Dan Informatika*, 3(1), 1–10. <https://doi.org/10.54082/jiki.45>
- Raschka, S., Julian, D., & Hearty, J. (2016). *Python: Deeper Insights Into Machine Learning*. Packt Publishing Ltd.
- Richard, Andres, J. R., Soetandar, J. P., Sutoyo, R., & Riza, H. (2023). Emotion Recognition Model using Product Review from Indonesia Marketplace. *Proceeding - 2023 2nd International Conference on Computer System, Information Technology, and Electrical Engineering: Sustainable Development for Smart Innovation System, COSITE 2023*, 67–71. <https://doi.org/10.1109/COSITE60233.2023.10249811>
- Roihan, A., Sunarya, P. A., & Rafika, A. S. (2020). Pemanfaatan Machine Learning dalam Berbagai Bidang: Review paper. *IJCIT (Indonesian Journal on Computer and Information Technology)*, 5(1). <https://doi.org/10.31294/IJCIT.V5I1.7951>
- Seyeditabari, A., Tabari, N., & Zadrozny, W. (2018). *Emotion Detection in Text: a Review*. <https://arxiv.org/abs/1806.00674v1>
- Sinha, A., Naskar, M. N. B. J., Pandey, M., & Rautaray, S. S. (2022). Text Classification Using Machine Learning Techniques: Comparative Analysis. *2022 OITS International Conference on Information Technology (OCIT)*, 102–107. <https://doi.org/10.1109/OCIT56763.2022.00029>
- Sutoyo, R., Achmad, S., Chowanda, A., Andangsari, E. W., & Isa, S. M. (2022). PRDECT-ID: Indonesian product reviews dataset for emotions classification tasks. *Data in Brief*, 44, 108554. <https://doi.org/https://doi.org/10.1016/j.dib.2022.108554>
- Taraghi, M., Dorcelus, G., Foundjem, A., Tambon, F., & Khomh, F. (2024). Deep Learning Model Reuse in the HuggingFace Community: Challenges, Benefit

and Trends. *2024 IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER)*, 512–523. <https://doi.org/10.1109/SANER60148.2024.00059>

Tiyasya Putra, D., & Budi Setiawan, E. (2023). Sentiment Analysis on Social Media with Glove Using Combination CNN and RoBERTa. *JURNAL RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, 10(3), 457–563. <https://doi.org/10.29207/resti.v7iX3.4892>

Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (2017). Attention Is All You Need. *Advances in Neural Information Processing Systems*, 2017-December, 5999–6009. <https://arxiv.org/abs/1706.03762v7>

Zaidan, M. N., Sibaroni, Y., & Prasetyowati, S. S. (2024). Learning Rate And Epoch Optimization In The Fine-Tuning Process For *IndoBERT*'s Performance On Sentiment Analysis Of Mytelkomsel App Reviews. *Jurnal Teknik Informatika (Jutif)*, 5(5), 1443–1450. <https://doi.org/10.52436/1.jutif.2024.5.5.2396>