

DAFTAR PUSTAKA

- Abid, A., Abdalla, A., Abid, A., Khan, D., Alfozan, A., & Zou, J. (2019). *Gradio: Hassle-Free Sharing and Testing of ML Models in the Wild*. <http://arxiv.org/abs/1906.02569>
- Adnan Nur, M., Wardhani, N., & Author, C. (n.d.). *Optimasi Normalisasi Kata Pada Data Twitter Untuk Meningkatkan Akurasi Analisis Sentimen (Studi Kasus Respon Masyarakat Terhadap Layanan Teman Bus)*. <https://elektroda.uho.ac.id/>
- Ahmad Hania, A. (2017). Mengenal Artificial Intelligence, Machine Learning, & Deep Learning. *Jurnal Teknologi Indonesia*, 1(June), 1–6. <https://amt-it.com/mengenal-perbedaan-artificial-intelligence-machine-learning-deep-learning/>
- Ananda, I. K., Fanani, A. Z., Setiawan, D., & Wicaksono, D. F. (2024). Penerapan Random Oversampling dan Algoritma Boosting untuk Memprediksi Kualitas Buah Jeruk. *Edumatic: Jurnal Pendidikan Informatika*, 8(1), 282–289. <https://doi.org/10.29408/edumatic.v8i1.25836>
- Chollet, Francois. (2019). *Deep Learning with Python by Francois Chollet*. Manning Publications : [distributed by] Skillsoft Books.
- Chris McCormick. (2019, July 22). *BERT Fine-Tuning Tutorial with PyTorch*. <https://McCormickml.Com/2019/07/22/BERT-Fine-Tuning/>.
- Devlin, J., Chang, M. W., Lee, K., & Toutanova, K. (2019). 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(Mlm), 4171–4186.
- Ding, X.-W., Liu, Z.-T., Li, D.-Y., He, Y., & Wu, M. (2022). Electroencephalogram Emotion Recognition Based on Dispersion Entropy Feature Extraction Using Random Oversampling Imbalanced Data Processing. *IEEE Transactions on Cognitive and Developmental Systems*, 14(3), 882–891. <https://doi.org/10.1109/TCDS.2021.3074811>
- Fadhel, M., & Maharani, W. (2024). Depression Detection of Users in Social Media X using IndoBERTweet. *Sinkron*, 8(2), 885–891. <https://doi.org/10.33395/sinkron.v9i2.13354>
- Forry Kusuma, J., & Chowanda, A. (2023). *INTERNATIONAL JOURNAL ON INFORMATICS VISUALIZATION journal homepage : www.joiv.org/index.php/joiv INTERNATIONAL JOURNAL ON INFORMATICS VISUALIZATION Indonesian Hate Speech Detection Using IndoBERTweet and BiLSTM on Twitter*. 7(September), 773–780. www.joiv.org/index.php/joiv
- Hasemadi, I. G., Dharmendra, I. K., & Wijaya, I. M. P. P. (2023). Klasifikasi Emosi Pada Tweet Berbahasa. *Jurnal Teknologi Informasi Dan Komputer*, 9(86), 7. <https://jurnal.undhirabali.ac.id/index.php/jutik/article/download/2646/3311/8708>
- Heydarian, M., Doyle, T. E., & Samavi, R. (2022). MLCM: Multi-Label Confusion Matrix. *IEEE Access*, 10, 19083–19095. <https://doi.org/10.1109/ACCESS.2022.3151048>

- Indriani, F., Nugroho, R. A., Faisal, M. R., & Kartini, D. (2024). Comparative Evaluation of IndoBERT, IndoBERTweet, and mBERT for Multilabel Student Feedback Classification. *Jurnal RESTI*, 8(6), 748–757. <https://doi.org/10.29207/resti.v8i6.6100>
- Khairani, U., Mutiawani, V., & Ahmadian, H. (2024). Pengaruh Tahapan Preprocessing Terhadap Model Indobert Dan Indobertweet Untuk Mendeteksi Emosi Pada Komentar Akun Berita Instagram. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 11(4), 887–894. <https://doi.org/10.25126/jtiik.1148315>
- Koto, F., Lau, J. H., & Baldwin, T. (2021). INDOBERTTWEET: A Pretrained Language Model for Indonesian Twitter with Effective Domain-Specific Vocabulary Initialization. *EMNLP 2021 - 2021 Conference on Empirical Methods in Natural Language Processing, Proceedings*, 10660–10668. <https://doi.org/10.18653/v1/2021.emnlp-main.833>
- Pratama, A., Rosyda, M., Industri, F. T., & Dahlan, U. A. (2025). Analisis Sentimen dalam Aplikasi X terhadap Pengungsi Rohingya dengan LSTM. 8, 95–105.
- Redo, M. R., & Perdana, A. (2023). ANALISIS KETIDAKSEIMBANGAN KELAS DALAM PENGEMBANGAN MODEL KLASIFIKASI (Vol. 3, Issue 1).
- Riccosan, Saputra, K. E., Pratama, G. D., & Chowanda, A. (2022). Emotion dataset from Indonesian public opinion. *Data in Brief*, 43, 0–5. <https://doi.org/10.1016/j.dib.2022.108465>
- Riyaddulloh, R., & Romadhony, A. (2021). Normalisasi Teks Bahasa Indonesia Berbasis Kamus Slang Studi Kasus: Tweet Produk Gadget Pada Twitter. *EProceedings of Engineering*, 8(4), 4216–4228.
- Saputra, A. C., Saragih, A. S., & Ronaldo, D. (2025). PREDIKSI EMOSI DALAM TEKS BAHASA INDONESIA. 19(1), 1–15.
- Saputri, M. S., Mahendra, R., & Adriani, M. (2018). Emotion Classification on Indonesian Twitter Dataset. *Proceedings of the 2018 International Conference on Asian Language Processing, IALP 2018*, 90–95. <https://doi.org/10.1109/IALP.2018.8629262>
- Setiawan, J. C., M. Lhaksmana, K., & Bunyamin, B. (2023). Sentiment Analysis of Indonesian TikTok Review Using LSTM and IndoBERTweet Algorithm. *JUPI (Jurnal Ilmiah Penelitian Dan Pembelajaran Informatika)*, 8(3), 774–780. <https://doi.org/10.29100/jupi.v8i3.3911>
- Sutranggono, A. N. (2022). Klasifikasi Emosi Pada Cuitan Di Twitter Dengan Principal Component Analysis Dan Support Vector Machine. *MATHunesa: Jurnal Ilmiah Matematika*, 10(1), 13–20. <https://doi.org/10.26740/mathunesa.v10n1.p13-20>
- Vaswani, A., Brain, G., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (n.d.). *Attention Is All You Need*.
- We Are Social. (2024). *Digital 2024: Indonesia. We Are Social*. <https://wearesocial.com/id/blog/2024/01/digital-2024/>
- Zhang, T., & Yu, B. (2005). Boosting with early stopping: Convergence and consistency. *Annals of Statistics*, 33(4), 1538–1579. <https://doi.org/10.1214/009053605000000255>