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DAFTAR PUSTAKA

A. A. Ningtiyas, T. Rohana, and D. S. Kusumaningrum, "Penerapan Learning Vector Quantization 3 untuk klasifikasi gangguan mental pada buruh pabrik," *CIASTECH: Jurnal Ilmiah Teknologi dan Informasi*, vol. 0, no. 0, 2021.

Abdulsalam, A., & Alhothali, A. (2024). *Suicidal ideation detection on social media: A review of machine learning methods.* Social Network Analysis and Mining, 14, 188. https://doi.org/10.1007/s13278-024-01348-0

Alharthi, H. (2020). Machine learning-based approach for depression detection in Twitter using content and activity features. arXiv. https://doi.org/10.1587/transinf.2020EDP7023

Anam, M. K., Lestari, T. P., Yenni, H., Nasution, T., & Firdaus, M. B. (2025). Enhancement of Machine Learning Algorithm in Fine‑grained Sentiment Analysis Using the Ensemble. ECTI‑CIT Transactions, 19(2), 159–167. https://doi.org/10.37936/ecti-cit.2025192.257815

Azam, Z., Islam, M. M., & Huda, M. N. (2023). Comparative analysis of intrusion detection systems and machine learning-based model analysis through decision tree. IEEE Access, 11, 80348–80391.https://doi.org/10.1109/access.2023.3296444

Budiman, A., Young, J. C., & Suryadibrata, A. (2021). *Implementasi algoritma Naïve Bayes untuk klasifikasi konten Twitter dengan indikasi depresi*. Jurnal Informatika: Jurnal Pengembangan IT, 6(2). https://doi.org/10.30591/jpit.v6i2.2419

Bucur, A.-M., & Dinu, L. P. (2020). Detecting Early Onset of Depression from Social Media Text using Learned Confidence Scores. arXiv. https://doi.org/10.48550/arXiv.2011.01695

Chen, L., & Liu, H. (2022). N-gram-based text representation for sentiment classification: A comparative study. Journal of Information Science, 48(5), 726–739. https://doi.org/10.1016/j.eswa.2021.115905

Chen, T., He, X., & Zhao, Y. (2021). Optimized gradient boosting for large-scale text classification. IEEE Transactions on Knowledge and Data Engineering, 33(12), 4118–4130. https://doi.org/10.3390/blockchains2010003

Chen, Y., Xu, J., & Wang, L. (2024). Evaluating deep learning models for mental health detection on social media. Expert Systems with Applications, 238, 121852. https://doi.org/10.1016/j.eswa.2023.121852

Dasgupta, S., & Sen, J. (2024). A comparative study of hyperparameter tuning methods. In J. Sen & S. Roy Choudhury (Eds.), Data Science in Theory and Practice (pp. 1–34). Cambridge Scholars Publishing. https://doi.org/10.48550/arXiv.2408.16425

Fearn, T., Weller, A., & Seppi, K. (2021). Exploring the relationship between algorithm performance, vocabulary, and run-time in text classification. arXiv. https://arxiv.org/abs/2104.03848

Fitriah, N., & Hariyono, Y. (2019). Hubungan self-esteem dengan kecenderungan depresi pada mahasiswa. Jurnal Psikologi, 12(2), 85–94

George, M., & Murugesan, R. (2024). Improving sentiment analysis of financial news headlines using hybrid Word2Vec–TFIDF feature extraction technique. Procedia Computer Science, 10, 172. https://doi.org/10.1016/j.procs.2024.10.172

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Gupta A., Shukla, K. A., Juneja, V., Singh, S., Prajapati, U., & Dhabliya, D. (2023). *Role of hybrid optimization in improving performance of sentiment classification system*. In 2022 Seventh International Conference on Parallel, Distributed and Grid Computing (PDGC). IEEE. https://doi.org/10.1109/PDGC56933.2022.10053333

Han, J., Kamber, M., & Pei, J. (2022). Data mining: Concepts and techniques (4th ed.). Morgan Kaufmann

Hendrawan, I. R., Utami, E., & Hartanto, A. D. (2022). *Analisis perbandingan metode TF-IDF dan Word2Vec pada klasifikasi teks sentimen masyarakat terhadap produk lokal di Indonesia*. Smart Comp: Jurnalnya Orang Pintar Komputer, 11(3). https://doi.org/10.30591/smartcomp.v11i3.3902

Holzmann, H., & Klar, B. (2024). Robust performance metrics for imbalanced classification problems. arXiv. https://doi.org/10.48550/arXiv.2404.07661

Hu, X., & Szymczak, S. (2022). A review on longitudinal data analysis with random forest in precision medicine. arXiv:2208.04112. https://doi.org/10.1093/bib/bbad002

Islam, M. M., Hassan, S., Akter, S., Jibon, F. A., & Sahidullah, M. (2024). A comprehensive review of predictive analytics models for mental illness using machine learning algorithms. Healthcare Analytics, 6, 100350. https://doi.org/10.1016/j.health.2024.100350

Jones, A. (2020). Early detection of mental health issues using machine learning techniques. Journal of Mental Health Informatics, 5(1), 12–22

Kumar, S., Banerjee, A., & Mehta, R. (2023). Evaluation metrics for imbalanced text classification: A study of F1-score and alternatives. Journal of Artificial Intelligence Research, 77, 1123–1147

Ojo, O. E., Gelbukh, A., Calvo, H., & Adebanji, O. O. (2021). Performance study of N-grams in the analysis of sentiments. Journal of the Nigerian Society of Physical Sciences, 3(4), 477–483. https://doi.org/10.46481/jnsps.2021.201

Patelli, A., et al. (2023). A path in regression Random Forest looking for spatial dependence: A taxonomy and a systematic review. https://doi.org/10.48550/arXiv.2303.04693

Putri, K., & Raharja, M. A. (2023). *Implementasi algoritma Support Vector Machine dalam klasifikasi deteksi depresi dari postingan pada media sosial*. Jurnal Nasional Teknologi Informasi dan Aplikasnya, 2(1), 193–202. https://doi.org/10.24843/JNATIA.2023.v02.i01.p22

Rahman, A. B. S., Ta, H.-T., Najjar, L., Azad, A., & Gönül, A. S. (2024). DepressionEmo: A novel dataset for multilabel classification of depression emotions. arXiv. https://doi.org/10.48550/arXiv.2401.04655

Saad Ahmed Sazan, Mahdi H. Miraz, & A B M Muntasir Rahman. (2024). Enhancing Depressive Post Detection in Bangla: A Comparative Study of TF-IDF, BERT and FastText Embeddings. arXiv. https://doi.org/10.48550/arXiv.2407.09187

Sagita, A., Widodo, T., & Hernawan, R. (2023). XGBoost and Random Forest comparison for depression detection based on social media text. Journal of Computational Intelligence, 9(1), 55–67

Sánchez-Martínez, F., & Rosso, P. (2021). Evaluation metrics for social media text classification: A critical review. Information Processing & Management, 58(6), 102706

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Saputro, T. H., & Hermawan, A. (2021). The accuracy improvement of text mining classification on hospital review through the alteration in the preprocessing stage. International Journal of Computational Intelligence and Technology (IJCIT), 10(4), 138. https://doi.org/10.24203/ijcit.v10i4.138

Siino, M., Tinnirello, I., & La Cascia, M. (2023). *Is text preprocessing still worth the time? A comparative survey on the influence of popular preprocessing methods on Transformers and traditional classifiers.* Information Systems, 118, 102342. https://doi.org/10.1016/j.is.2023.102342

Smith, A., Johnson, P., & Clarke, D. (2023). Clinical characteristics and early detection of depressive disorders: A comprehensive overview. Journal of Affective Disorders, 320, 45–58

Syahputra, H., Naibaho, S. I., Maulana, M. A., Zulfahmi, I., & Sinaga, E. P. (2023). *Perbandingan algoritma Support Vector Machine (SVM) dan Decision Tree untuk deteksi tingkat depresi mahasiswa*. BINA INSANI ICT JOURNAL, 10(1), 52–61.

Wang, L., & Smith, J. (2021). Text-based depression detection using hybrid feature extraction with ensemble learning. International Journal of Computational Linguistics, 9(3), 101–115

Wu, Y., Li, H., Feng, X., Casanova, A., Abate, A. F., & Wan, S. (2023). GDRL: An interpretable framework for thoracic pathologic prediction. Pattern Recognition Letters, 168, 60–67. https://doi.org/10.1016/j.patrec.2022.12.020