

## DAFTAR PUSTAKA

- Adhitya, R. R., Wina Witanti, & Rezki Yuniarti. (2023). Perbandingan Metode CART dan Naïve Bayes untuk Klasifikasi Customer CHURN. *INFOTECH journal*, 9(2), 307–318. <https://doi.org/10.31949/infotech.v9i2.5641>
- Afdhal, I., Kurniawan, R., Iskandar, I., Salambue, R., Budianita, E., & Syafria, F. (2022). Penerapan Algoritma Random Forest Untuk Analisis Sentimen Komentar Di YouTube Tentang Islamofobia. *Jurnal Nasional Komputasi dan Teknologi Informasi*, 5(1). <https://doi.org/10.32672/jnkti.v5i1.4004>
- Agung, A., Daniswara, A., Kadek, I., & Nuryana, D. (2023). Data Preprocessing Pola Pada Penilaian Mahasiswa Program Profesi Guru. *Journal of Informatics and Computer Science*, 05. <https://doi.org/https://doi.org/10.26740/jinacs.v5n01.p97-100>
- Agung Nugroho, & Agit Amrullah. (2023). Evaluasi Kinerja Algoritma K-NN Menggunakan K-Fold Cross Validation pada Data Debitur KSP Galih Manunggal. *Jurnal Informatika Teknologi dan Sains (Jinteks)*, 5(2), 294–300. <https://doi.org/10.51401/jinteks.v5i2.2506>
- Agustina, N., Citra, D. H., Purnama, W., Nisa, C., & Kurnia, A. R. (2022). Implementasi Algoritma Naive Bayes untuk Analisis Sentimen Ulasan Shopee pada Google Play Store. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 2(1), 47–54. <https://doi.org/10.57152/malcom.v2i1.195>
- Aisah, I. S., Irawan, B., & Suprpti, T. (2023). Algoritma Support Vector Machine (SVM) Untuk Analisis Sentimen Ulasan Aplikasi Al Qur'an Digital. *Jurnal Mahasiswa Teknik Informatika*, 7(6). <https://doi.org/10.36040/jati.v7i6.8263>
- Ajis, A. S., Utomo, F. S., & Barkah, A. S. (2025). Evaluasi Pengaruh Varian Daftar Stopword terhadap Kinerja Klasifikasi Teks Al-Qur'an dengan Support Vector Machine dan Backpropagation Neural Network. *Jurnal Pendidikan dan Teknologi Indonesia*, 5(7), 1867–1880. <https://doi.org/10.52436/1.jpti.875>
- Albab, M. U., P., Y. K., & Fawaiq, M. N. (2023). Optimization of the Stemming Technique on Text Preprocessing President 3 Periods Topic. *Jurnal Transformatika*, 20(2), 1–12. <https://doi.org/10.26623/transformatika.v20i2.5374>
- Andrian, B. W., Tobing, F. A. T., Pane, I. Z., & Kusnadi, A. (2023). Implementation of Naïve Bayes Algorithm in Sentiment Analysis of Twitter Social Media Users

- Regarding Their Interest to Pay the Tax. *International Journal of Science, Technology & Management*, 4(6), 1733–1742. <https://doi.org/10.46729/ijstm.v4i6.1015>
- Ataei, P., Regula, S., Staegemann, D., & Malgaonkar, S. (2024). Filtering Useful App Reviews Using Naïve Bayes—Which Naïve Bayes? *AI (Switzerland)*, 5(4), 2237–2259. <https://doi.org/10.3390/ai5040110>
- Daniel, J., & Martin, J. H. (2025). Speech and Language Processing (3rd ed. draft). Dalam *An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition with Language Models*, 3rd edition. Online manuscript released January 12, 2025. <https://web.stanford.edu/~jurafsky/slp3>. Cambridge University Press.
- Dewi, C., Chen, R. C., Christanto, H. J., & Cauteruccio, F. (2023). Multinomial Naïve Bayes Classifier for Sentiment Analysis of Internet Movie Database. *Vietnam Journal of Computer Science*, 10(4), 485–498. <https://doi.org/10.1142/S2196888823500100>
- Fauzan, R., Vitianingsih, A. V., Cahyono, D., Maukar, A. L., & Suprio, Y. A. B. (2025). Penerapan Algoritma Klasifikasi pada Machine Learning untuk Deteksi Phishing. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 5(2), 531–540. <https://doi.org/10.57152/malcom.v5i2.1968>
- Fernanda, M. S. P., Rakasiwi, S., & Ariyanto, N. (2025). Twitter Sentiment Classification towards Telecommunication Provider Users in Indonesia. *Journal of Applied Informatics and Computing*, 9(2), 314–321. <https://doi.org/10.30871/jaic.v9i2.9143>
- Fibriyanti Arminda, N., Sulistiyowati, N., & Nur Padilah, T. (2023). Implementasi Algoritma Multinomial Naive Bayes pada Analisis Sentimen Terhadap Ulasan Pengguna Aplikasi BRIMO. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 7(3), 1817–1822. <https://doi.org/10.36040/jati.v7i3.7012>
- Ghimire, P. (2022). *Multinomial Naïve Bayes approach for social media sentiment analysis-Final Year Project-Undergraduate Degree*. <https://doi.org/10.13140/RG.2.2.32245.65766>
- Gori, T., Sunyoto, A., & Al Fatta, H. (2024). Preprocessing Data dan Klasifikasi untuk Prediksi Kinerja Akademik Siswa. *Jurnal Teknologi Informasi dan Ilmu Komputer*, 11(1), 215–224. <https://doi.org/10.25126/jtiik.20241118074>

- Hasri, C. F., & Alita, D. (2022). Penerapan Metode Naive Bayes Classifier dan Support Vector Machine pada Analisis Sentimen Terhadap Dampak Virus Corona di Twitter. *Jurnal Informatika dan Rekayasa Perangkat Lunak*, 3(2), 145–160. <https://doi.org/10.33365/jatika.v3i2.2026>
- Hassan, H. S. A.-D., Al-Furiji, H., Kareem Rashid, M., Abed Hussein, Z., & Ambudkar, B. (2024). Trending Algorithm on Twitter through 2023. *Data and Metadata*, 3, 384. <https://doi.org/10.56294/dm2024384>
- Hevianto, T. S., & Hermawan, A. (2021). The Accuracy Improvement of Text Mining Classification on Hospital Review through The Alteration in The Preprocessing Stage. *International Journal of Computer and Information Technology*(2279-0764), 10(4), 2279–0764. <https://doi.org/10.24203/ijcit.v10i4.138>
- Ionendri, N. A., Feri Candra, & Afdi Rizal. (2025). News Classification using Natural Language Processing with TF-IDF and Multinomial Naïve Bayes. *Journal of Applied Computer Science and Technology*, 6(1), 37–45. <https://doi.org/10.52158/jacost.v6i1.1099>
- Kasim, R. J., & Utami, E. (2024). Penerapan Algoritma Boyer Moore yang di Modifikasi untuk stemmer Bahasa Indonesia. *JUPI (Jurnal Ilmiah Penelitian dan Pembelajaran Informatika)*, 9(3), 1657–1667. <https://doi.org/10.29100/jupi.v9i3.5449>
- Khairul, M. F. R., & Perdana, R. S. (2024). Arsitektur Sistem Percakapan Otomatis Berbahasa Indonesia dengan Normalisasi Bahasa Informal Menjadi Baku. *Jurnal Teknologi Informasi dan Ilmu Komputer*, 11(5), 1009–1016. <https://doi.org/10.25126/jtiik.2024117984>
- Khairunnisa, S., Adiwijaya, A., & Faraby, S. Al. (2021). Pengaruh Text Preprocessing terhadap Analisis Sentimen Komentar Masyarakat pada Media Sosial Twitter (Studi Kasus Pandemi COVID-19). *JURNAL MEDIA INFORMATIKA BUDIDARMA*, 5(2), 406. <https://doi.org/10.30865/mib.v5i2.2835>
- Khoerunnisa, S., Shiddieq, D. F., & Nurhayati, D. (2025). Penerapan Algoritma Naive Bayes dengan Teknik TF-IDF dan Cross Validation untuk Analisis Sentimen Terhadap Starlink. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 5(2), 566–577. <https://doi.org/10.57152/malcom.v5i2.1852>
- Khusaeri, A. (2025). Penerapan Teknik Imputasi K-Means Terhadap Performa Hasil Klasifikasi Algoritma Naïve Bayes. *Jurnal Manajemen Informatika Jayakarta*, 5(1), 41. <https://doi.org/10.52362/jmijayakarta.v5i1.1765>

- Krawczyk, N., Probierz, B., & Kozak, J. (2024). Towards AI-Generated Essay Classification Using Numerical Text Representation. *Applied Sciences (Switzerland)*, 14(21). <https://doi.org/10.3390/app14219795>
- Lusiyanti, D., Musdalifah, S., Sahari, A., & Fajri, I. Al. (2025). Evaluasi Kinerja Algoritma Machine learning pada Dataset Skala Besar. *MathVision : Jurnal Matematika*, 7(1), 84–92. <https://doi.org/10.55719/mv.v7i1.1661>
- Mariani, P., Marletta, A., & Locci, M. (2024). Missing values and data enrichment: an application to social media liking. *Computational Statistics*, 39(1), 217–237. <https://doi.org/10.1007/s00180-022-01261-0>
- Muttaqin, N. A., Baehaqie, I., & Rustono, R. (2024). Bentuk-Bentuk Abreviasi Bahasa Gaul Dalam Media Sosial Twitter: Suatu Kajian Morfologi. *Lingua Rima: Jurnal Pendidikan Bahasa dan Sastra Indonesia*, 13(2). <https://doi.org/10.31000/lgrm.v13i2.11815>
- Pande sindu, Agus Aan Jiwa Permana, & I Nyoman Saputra Wahyu Wijaya. (2024). Identifikasi Dan Normalisasi Teks Slang Dengan Fasttext Pada Twitter Dalam Bahasa Indonesia. *Jurnal Pendidikan Teknologi dan Kejuruan*, 21(1), 33–44. <https://doi.org/10.23887/jptkundiksha.v21i1.66381>
- Purwitasari, D., & Budi Raharjo, A. (2021). Identifikasi Pengaruh Pandemi Covid-19 terhadap Perilaku Pengguna Twitter dengan Pendekatan Social Network Analysis. 8(6), 1309–1318. <https://doi.org/10.25126/jtiik.202185213>
- Puspita Sari, L. A., Mustafid, M., & Wuryandari, T. (2025). Penerapan Metode Multinomial Naïve Bayes Dengan Seleksi Fitur Information Gain untuk Analisis Sentimen Terhadap Layanan Indihome. *Jurnal Gaussian*, 14(1), 54–61. <https://doi.org/10.14710/j.gauss.14.1.54-61>
- Rachman, F. F., & Pramana, S. (2020). Analisis Sentimen Pro dan Kontra Masyarakat Indonesia tentang Vaksin COVID-19 pada Media Sosial Twitter. *Health Information Management Journal ISSN*, 8(2), 2655–9129. <https://doi.org/10.47007/inohim.v8i2.223>
- Rahmadani, S., & Tasrif, E. (2023). Implementasi Natural Language Processing (NLP) pada Layanan Pengelolaan Surat Kantor Camat Bukit Barisan. *Jurnal Teknik Komputer dan Informatika*, 4(1), 19. <https://doi.org/10.24036/jteki.v4i1.47>

- Rifaldi, D., Abdul Fadlil, & Herman. (2023). Teknik Preprocessing Pada Text Mining Menggunakan Data Tweet “Mental Health.” *Decode: Jurnal Pendidikan Teknologi Informasi*, 3(2), 161–171. <https://doi.org/10.51454/decode.v3i2.131>
- Rivaldi, R. C., Wismarini, T. D., Lomba, J. T., & Semarang, J. (2024). *Analisis Sentimen Pada Ulasan Produk Dengan Metode Natural Language Processing (NLP) (Studi Kasus Zalika Store 88 Shopee)*. 17(1), 120–128. <https://doi.org/10.51903/elkom.v17i1.1680>
- Rizki, D., Pratama, S., Munandar, T. A., & Ramdhan, K. F. (2024). Multinomial Naive Bayes Algorithm for Indonesian language Sentiment Classification Related to Jakarta International Stadium (JIS). Dalam *International Journal of Information Technology and Computer Science Applications* (Vol. 2, Nomor 1).
- Rizky, M. H., Faisal, M. R., Budiman, I., Kartini, D., & Abadi, F. (2024). Effect of Hyperparameter Tuning Using Random Search on Tree-Based Classification Algorithm for Software Defect Prediction. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, 18(1), 95. <https://doi.org/10.22146/ijccs.90437>
- Rizky, Y. A., Aziz, A., & Harianto, W. (2024). Implementasi Naive Bayes Dengan Menggunakan Metode Laplace Smoothing. *RAINSTEK: Jurnal Terapan Sains dan Teknologi*, 6(3), 164–172. <https://doi.org/10.21067/jtst.v6i3.9132>
- Rom, A. R. M., Jamil, N., & Ibrahim, S. (2024). Multi objective hyperparameter tuning via random search on deep learning models. *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 22(4), 956. <https://doi.org/10.12928/telkomnika.v22i4.25847>
- Rumaisa, F. (2025). Evaluation of Indonesian Language Stemmer Algorithms: A Comparative Analysis. *Brilliance: Research of Artificial Intelligence*, 5(1), 21–25. <https://doi.org/10.47709/brilliance.v5i1.5679>
- Salam, R. R., Jamil, M. F., Ibrahim, Y., Rahmaddeni, R., Soni, S., & Herianto, H. (2023). Analisis Sentimen Terhadap Bantuan Langsung Tunai (BLT) Bahan Bakar Minyak (BBM) Menggunakan Support Vector Machine. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 3(1), 27–35. <https://doi.org/10.57152/malcom.v3i1.590>
- Santoti, J. V., Jocelyn, J., & Irsyad, H. (2025). Implementasi Term Frequency - Inverse Document Frequency dan Cosine Similarity untuk Analisis Kemiripan Deskripsi

- Produk Halal. *Jurnal Software Engineering and Computational Intelligence*, 3(01), 44–52. <https://doi.org/10.36982/jseci.v3i01.5421>
- Saraswati, N. W. S., Yanti, C. P., Muku, I. D. M. K., & Dewi, D. A. P. R. (2025). Evaluation Analysis of the Necessity of Stemming and Lemmatization in Text Classification. *MATRIK : Jurnal Manajemen, Teknik Informatika dan Rekayasa Komputer*, 24(2), 321–332. <https://doi.org/10.30812/matrik.v24i2.4833>
- Sathyanarayanan, S. (2024). Confusion Matrix-Based Performance Evaluation Metrics. *African Journal of Biomedical Research*, 4023–4031. <https://doi.org/10.53555/AJBR.v27i4S.4345>
- Subaşı, N. (2024). Comprehensive Analysis of Grid and Randomized Search on Dataset Performance. *European Journal of Engineering and Applied Sciences*, 7(2), 77–83. <https://doi.org/10.55581/ejeas.1581494>
- Syahid, U. A., Rahman, Wibisono, Y., Prasetyo, E., & Nugroho. (2020). Implementasi Multinomial Naive Bayes Untuk Klasifikasi Ujaran Kebencian Pada Dataset Kicauan (Twitter) Bahasa Indonesia Implementation of Naive Bayes Multinomials for Classification of Hate Speech in the Twitter Dataset (Twitter) in Indonesian. *Jurnal Aplikasi dan Teori Ilmu Komputer*, 3(2). <https://doi.org/https://doi.org/10.17509/jatikom.v3i2.28231>
- Virgiansyah, M. R., Stephanie, S., & Rizky Pribadi, M. (2024). Analisis Sentimen terhadap Jalan Rusak di Palembang Pada Media Sosial Menggunakan Algoritma Naïve Bayes. *TIN: Terapan Informatika Nusantara*, 5(1), 1–10. <https://doi.org/10.47065/tin.v5i1.5239>
- Widyaningsih, Y., Arum, G. P., & Prawira, K. (2021). Application of k-fold cross validation in determining the best negative binomial regression model. *Barekeng*, 15(2), 315–322. <https://doi.org/10.30598/barekengvol15iss2pp315-322>
- Winahyu, J., & Suharjo, I. (2021). Aplikasi Web Analisis Sentimen Dengan Algoritma Multinomial Naïve Bayes. *Kumpulan Artikel Mahasiswa Pendidikan Teknik Informatika (KARMAPATI)*, 10(2), 206. <https://doi.org/10.23887/karmapati.v10i2.36609>
- Wulan, R., & Hertanto, I. (2025). Implementasi Algoritma Multinomial Naive Bayes untuk Mendeteksi Tweet Ujaran Kebencian Bahasa Indonesia terhadap PSSI. *SKANIKA: Sistem Komputer dan Teknik Informatika*, 8(1), 193–203. <https://doi.org/10.36080/skanika.v8i1.3355>

Yuyun, Hidayah, N., & Sahibu, S. (2021). Algoritma Multinomial Naïve Bayes Untuk Klasifikasi Sentimen Pemerintah Terhadap Penanganan Covid-19 Menggunakan Data Twitter. *Jurnal RESTI*, 5(4), 820–826. <https://doi.org/10.29207/resti.v5i4.3146>

Zusrotun, O. P., Murti, A. C., & Fiati, R. (2022). Analisis Sentimen Terhadap Belajar Online pada Media Sosial Twitter Menggunakan Algoritma Naive Bayes. *Jurnal Nasional Pendidikan Teknik Informatika (JANAPATI)*, 11(3), 310–319. <https://doi.org/10.23887/janapati.v11i3.49160>

