

BAB VII DAFTAR PUSTAKA

- A. Villanueva, J. (2020). Information Technology Security Infrastructure Malware Detector System. *International Journal of Advanced Trends in Computer Science and Engineering*, 9(2), 1583–1587. <https://doi.org/10.30534/ijatcse/2020/103922020>
- Adinugroho, R. (2022). Perbandingan Rasio Split Data Training Dan Data Testing Menggunakan Metode Lstm Dalam Memprediksi Harga Indeks Saham Asia. In *Repository.Uinjkt.Ac.Id.* <https://repository.uinjkt.ac.id/dspace/handle/123456789/67314%0Ahttps://repository.uinjkt.ac.id/dspace/bitstream/123456789/67314/1/Rahmadhan Adinugroho-fst.pdf>
- Afidh, R. P. F., & Syahrial. (2023). Pemodelan Topik Menggunakan n-Gram dan Non-negative Matrix Factorization. *Jurnal Informasi dan Teknologi*, 5(1), 265–275. <https://doi.org/10.60083/jidt.v5i1.385>
- Aggarwal, C. C., & Xhai, C. (2012). A survey of text clustering algorithms. *Mining text data*, 8, 77–128. <http://link.springer.com/10.1007/978-1-4614-3223-4>
- Aman Kharwal. (2020). *Accuracy, F1 Score, Precision and Recall in Machine Learning*. 8 november. <https://amanxai.com/2020/11/08/accuracy-f1-score-precision-and-recall-in-machine-learning/>
- Arianto, B. W., & Anuraga, G. (2020). Topic Modeling for Twitter Users Regarding the “Ruanggguru” Application. *Jurnal Ilmu Dasar*, 21(2), 149. <https://doi.org/10.19184/jid.v21i2.17112>
- Aruga, K., Islam, M. M., Zenno, Y., & Jannat, A. (2022). Developing Novel Technique for Investigating Guidelines and Frameworks: A Text Mining Comparison between International and Japanese Green Bonds. *Journal of Risk and Financial Management*, 15(9). <https://doi.org/10.3390/jrfm15090382>
- Asyhar, E. S., Wijoyo, S. H., & Setiawan, N. Y. (2024). Analisis Sentimen dan Pemodelan Topik Terhadap Ulasan Aplikasi Jenius Menggunakan Metode Support Vector Machine dan Latent Dirichlet Allocation. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 8(9), 1–10.
- Attar, A. F., Efendi, E., & Paradana, P. (2025). *Implementasi Deteksi Bendera Negara ASEAN dengan Metode Anotasi Data dan YoloV8*. 4, 191–198.
- Audady, M. S., & Tolle, H. (2022). Evaluasi dan Perbaikan User Experience Aplikasi Sekolah.mu berbasis Mobile dengan menggunakan Metode Design Thinking. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 6(9), 4279–4285.
- Azhari, Z., Efrizoni, L., Agustin, W., & Yanti, R. (2023). Opinion Mining menggunakan Algoritma Deep Learning untuk Menganalisis Penggunaan Aplikasi Jamsostek Mobile. *The Indonesian Journal of Computer Science*, 12(2), 666–678. <https://doi.org/10.33022/ijcs.v12i2.3185>
- Babalola, O., Ojokoh, B., & Boyinbode, O. (2024). *Comprehensive Evaluation of LDA , NMF , and BERTopic 's Performance on News Headline Topic Modeling*.
- Bagheri, R., Entezarian, N., & Hossein, M. (2023). *Topic Modeling on System Thinking Themes Using Latent Dirichlet Allocation , Non-Negative Matrix*

- Factorization and BER Topic.* 33–56.
<https://doi.org/10.22067/JSTINP.2023.84746.1077>
- Bagus Anugrah Prasetyo. (2024). *Analisis Sentimen X Terhadap Keamanan Data Menggunakan Algoritma Naïve Bayes Classifier: Studi Kasus Pusat Data Nasional Sementara (PDNS)*. 1–62.
- Bisoumi, Y. N., Munandar, J., Amrullah, S., & Tegar, M. (2024). *Papua dalam Perspektif Komentar Youtube: Studi Pemodelan Topik dan Analisis Sentimen dengan Pendekatan Text Mining*. 2024(Senada), 270–281.
- Blair, S. J., Bi, Y., & Mulvenna, M. D. (2020). Aggregated topic models for increasing social media topic coherence. *Applied Intelligence*, 50(1), 138–156. <https://doi.org/10.1007/s10489-019-01438-z>
- Bojanowski, P., Grave, E., Joulin, A., & Mikolov, T. (2017). Enriching Word Vectors with Subword Information. *Transactions of the Association for Computational Linguistics*, 5, 135–146. https://doi.org/10.1162/tacl_a_00051
- Chen, Z., & Liu, B. (2018). Lifelong Machine Learning, Second Edition. In *Synthesis Lectures on Artificial Intelligence and Machine Learning* (Vol. 12, Nomor 3). <https://doi.org/10.2200/s00832ed1v01y201802aim037>
- Chollet, F. (2021). *Deep Learning whit Phyton*.
- Christophorus Bintang Saputra, & Koesrindartoto, D. P. (2024). Pemanfaatan Analisis Sentimen Youtube untuk Prediksi Harga Saham: Studi pada Investor Retail Indonesia. *Jurnal Manajemen*, 21(1), 1–17. <https://doi.org/10.25170/jm.v21i1.5184>
- Clustering, K., Remawati, D., Wijayanto, H., Retno, Y., Utami, W., & Raharja, B. D. (2025). *Pengelompokkan Film Trending di Youtube Menggunakan TF-IDF dan*. 4, 65–74.
- Dan, C. C., & Saufa Yardha, L. (2024). Analisis Sentimen Pengguna Aplikasi Mobile Jkn Menggunakan Algoritma Naïve Bayes. *Journal of Science and Social Research*, 10(2), 555–563. <http://jurnal.goretanpena.com/index.php/JSSR>
- Darmawan, G., Alam, S., & Sulistyo, M. I. (2023). Analisis Sentimen Berdasarkan Ulasan Pengguna Aplikasi Mypertamina Pada Google Playstore Menggunakan Metode Naïve Bayes. *Storage – Jurnal Ilmiah Teknik dan Ilmu Komputer*, 2(3), 100–108.
- Djufri, M. (2022). Jurnal BPPK Penerapan Teknik Web Scarping Untuk Penggalian Potensi Pajak (*Studi Kasus pada Online Market Place Tokopedia, Shopee dan Bukalapak*). 13, 65–75.
- Fitroh, F., & Hudaya, F. (2023). Systematic Literature Review: Analisis Sentimen Berbasis Deep Learning. *Jurnal Nasional Teknologi dan Sistem Informasi*, 9(2), 132–140. <https://doi.org/10.25077/teknosi.v9i2.2023.132-140>
- Galih Pradana, M. (2020). Penggunaan Fitur Wordcloud Dan Document Term Matrix Dalam Text Mining. *Jurnal Ilmiah Infromatika (JIF)*, 08(01), 38–43.
- Hel mud, E., Hel mud, E., Fitriyani, F., & Romadiana, P. (2024). Classification Comparison Performance of Supervised Machine Learning Random Forest and Decision Tree Algorithms Using Confusion Matrix. *Jurnal Sisfokom (Sistem Informasi dan Komputer)*, 13(1), 92–97. <https://doi.org/10.32736/sisfokom.v13i1.1985>
- Herlia, A. D., & Andriansyah, M. (2024). Sentiment Analysis of FLO

- Applications For Women's Needs Using The CNN And LSTM Algorithms. *Eduvest - Journal of Universal Studies*, 4(5), 4061–4078. <https://doi.org/10.59188/eduvest.v4i5.1182>
- Hidayati, N. N. (2021). *Adopsi Metode Penelusuran Kebutuhan Pada Lingkungan Agile (Extreme Programming) Untuk Klasifikasi Defect*.
- Hochreiter, S., & Schmidhuber, J. (1997). Long Short-Term Memory. *Neural Computation*, 9(8), 1735–1780. <https://doi.org/10.1162/neco.1997.9.8.1735>
- Huang, Q., & Zhao, T. (2024). Data Collection and Labeling Techniques for Machine Learning. *Proceedings of Make sureto enter the correct conference title from your rights confirmationemai (Conference acronym 'XX)*, 1(1). <http://arxiv.org/abs/2407.12793>
- Insan, M. K., Hayati, U., & Nurdiawan, O. (2023). Analisis Sentimen Aplikasi Brimo Pada Ulasan Pengguna Di. *Jurnal Mahasiswa Teknik Informatika*, 7(1), 478–483.
- Jurafsky, M. (2014). Speech and Language Processing An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition with Language Models Third Edition draft Summary of Contents. *Women's Human Rights*, vii–x.
- Kamil, A. I., Pratiwi, O. N., & Witarsyah, D. (2025). *Analisis sentimen dan pemodelan topik terhadap aplikasi pembelajaran online pada platform google play*. 10(2), 836–849.
- Khomsah, S., & Aribowo, A. S. (2020). Model Text-Preprocessing Komentar Youtube Dalam Bahasa Indonesia. *Jurnal Resti*, 1(3), 648–654.
- Kusnia, U., Kurniawan, F., & Artikel, S. (2022). Analisis Sentimen Review Aplikasi Media Berita Online Pada Google Play menggunakan Metode Algoritma Support Vector Machines (SVM) Dan Naive Bayes Info Artikel Abstrak. *Jurnal Keilmuan dan Aplikasi Teknik Informatika*, 14(1)(36), 24–25. <https://doi.org/10.35891/explorit>
- Kustiyahningsih, Y., & Permana, Y. (2024). Penggunaan Latent Dirichlet Allocation (LDA) dan Support-Vector Machine (SVM) Untuk Menganalisis Sentimen Berdasarkan Aspek Dalam Ulasan Aplikasi EdLink. *Teknika*, 13(1), 127–136. <https://doi.org/10.34148/teknika.v13i1.746>
- Kusumaningtyas, K., Dwijayanti, I., Lahitani, A. R., & Habibi, M. (2024). *Analisis Tren Topik dalam Ulasan Negatif Aplikasi M-Banking Menggunakan Latent Dirichlet Allocation*. 14(3), 549–555.
- Lamba, M., & Madhusudhan, M. (2022). Text Pre-Processing. In *Text Mining for Information Professionals*. https://doi.org/10.1007/978-3-030-85085-2_3
- Lau, J. H., Newman, D., & Baldwin, T. (2014). Machine reading tea leaves: Automatically evaluating topic coherence and topic model quality. *14th Conference of the European Chapter of the Association for Computational Linguistics 2014, EACL 2014*, 530–539. <https://doi.org/10.3115/v1/e14-1056>
- Lee, D. D., & Seung, H. S. (1999). Learning the parts of objects by non-negative matrix factorization. In *Nature* (Vol. 401, Nomor 6755). <https://doi.org/10.1038/44565>
- Liu, B. (2012). Sentiment Analysis: Mining Opinions, Sentiments, and Emotions, Second Edition. In *Sentiment Analysis: Mining Opinions, Sentiments, and Emotions, Second Edition* (Nomor May).

- <https://doi.org/10.1017/9781108639286>
- Maarif, M. M., & Setiyawati, N. (2024). Analisis Sentimen Review Aplikasi LinkedIn di Google Play Store Menggunakan Support Vector Machine. *Progresif: Jurnal Ilmiah Komputer*, 20(1), 454. <https://doi.org/10.35889/progresif.v20i1.1614>
- Mahbubi, F. A., Hermanto, T. I., & Lestari, C. D. (2025). Peramalan Penjualan Saham Nikel Menggunakan Algoritma Long SHort term Memory (LSTM). 8, 138–149.
- Maimon, O., & Rokach, L. (2005). Chapter 1 Introduction To Knowlegde Discovery. In *Springer* (Nomor August). <https://doi.org/10.1007/0-387-25465-X>
- Mathew, W. (2025). *Pendeteksian Penipuan Menggunakan Pendekatan Metode Klasifikasi Random Forest*. 12(1), 2216–2220.
- Mauliza, R. N., & Sipayung, Y. R. (2024). Penerapan Text Mining Dalam Menganalisis Pendapat Masyarakat Terhadap Pemilu 2024 Pada Media Sosial X Menggunakan Metode Naive Bayes. *Technomedia Journal*, 9(1), 1–16. <https://doi.org/10.33050/tmj.v9i1.2212>
- Moch Farryz Rizkilloh, & Sri Widyanesti. (2022). Prediksi Harga Cryptocurrency Menggunakan Algoritma Long Short Term Memory (LSTM). *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, 6(1), 25–31. <https://doi.org/10.29207/resti.v6i1.3630>
- Mutmainah, S., Fudholi, D. H., & Hidayat, S. (2023). Analisis Sentimen dan Pemodelan Topik Aplikasi Telemedicine Pada Google Play Menggunakan BiLSTM dan LDA. *Jurnal Media Informatika Budidarma*, 7(1), 312. <https://doi.org/10.30865/mib.v7i1.5486>
- Naury, C., Fudholi, D. H., & Hidayatullah, A. F. (2021). Topic Modelling pada Sentimen Terhadap Headline Berita Online Berbahasa Indonesia Menggunakan LDA dan LSTM. *Jurnal Media Informatika Budidarma*, 5(1), 24. <https://doi.org/10.30865/mib.v5i1.2556>
- Nila Rusiardi Jayanti. (2024). Analisis Sentimen Review Aplikasi Identitas Kependudukan Digital Menggunakan Algoritma Support Vector Machine. *Global: Jurnal Lentera BITEP*, 02(04), 3025–5503. <https://lenteranusa.id/>
- Ningsih, N., Aida, N., Iskandar, S., & Rizqiyah, S. (2025). *Justify : Jurnal Sistem Informasi Ibrahimy Prediksi Churn Pelanggan Industri Telekomunikasi Menggunakan Metode Artificial Neural Network Berbasis Streamlit*. 3(2). <https://doi.org/10.35316/justify.v3i2.5544>
- Nur Oktavia, A., Iqbal, M., Saputra, R. W., Zulfikar, M. I., & Saifudin, A. (2024). Implementasi Metode Natural Language Processing Dalam Studi Analisis. *Jurnal Ilmiah Ilmu Komputer dan Multimedia*, 2(1), 154–159. <https://jurnalmahasiswa.com/index.php/biikma>
- Oktafiani, R., Hermawan, A., & Avianto, D. (2023). Pengaruh Komposisi Split data Terhadap Performa Klasifikasi Penyakit Kanker Payudara Menggunakan Algoritma Machine Learning. *Jurnal Sains dan Informatika*, 9(April), 19–28. <https://doi.org/10.34128/jsi.v9i1.622>
- Pane, S. F., & Ramdan, J. (2022). Pemodelan Machine Learning : Analisis Sentimen Masyarakat Terhadap Kebijakan PPKM Menggunakan Data Twitter. *Jurnal Sistem Cerdas*, 5(1), 12–20. <https://doi.org/10.37396/jsc.v5i1.191>

- Permana, A. A., S, W., Santoso, L. W., Wibowo, G. W. N., Wardhani, A. K., Rahmaddeni, Wahidin, A. J., Yuliastuti, G. E., Elisawati, Wijayanti, R. R., & Abdurrasyid. (2023). Machine Learning. In *Machine Learning* (Vol. 45, Nomor 13).
<https://books.google.ca/books?id=EoYBngEACAAJ&dq=mitchell+machine+learning+1997&hl=en&sa=X&ved=0ahUKEwiomdqfj8TkAhWGslkKHRCbAtoQ6AEIKjAA>
- Platform, D. I., & Mu, S. (2021). *911-Article Text-2928-2-10-20230606*. 2(2).
- Prakosa, H. A., Riyanto, A. B., & Nasiroh, S. (2021). Analisis Sentimen dan Pemodelan Topik Untuk Mengidentifikasi Topik Pandemi Covid-19 Pada Media Sosial Twitter menggunakan Naïve Bayes Classifier dan Latent Dirichlet Allocation. *Jnanaloka*, 73–78.
<https://doi.org/10.36802/jnanaloka.2021.v2-no2-73-78>
- Pramudya. (2022). Penerapan Market Basket Analysis Menggunakan Proses Knowledge Discovery in Database (Kdd) Sebagai Strategi Penjualan *Repository.Radenintan.Ac.Id*.
<http://repository.radenintan.ac.id/id/eprint/21682%0Ahttp://repository.radenintan.ac.id/21682/1/SKRIPSI 1-2.pdf>
- Prof. Dr. Bela Gipp & Dr. Terry Ruas & Jan Philip Wahle. (2025). *Deep Learning for Natural Language Processing*. <https://gipplab.org/deep-learning-for-natural-language-processing/>
- Putri, D. R., Puspaningrum, E. Y., Maulana, H., Pembangunan, U., Veteran, N., & Timur, J. (2024). *Indonesia Neural Network*. 12(3), 2759–2769.
- Restya, B., & Cahyono, N. (2025). *Optimasi Metode Klasifikasi Menggunakan FastText dan Grid Search pada Analisis Sentimen Ulasan Aplikasi SeaBank Optimization of Classification Method Using FastText and Grid Search for Sentiment Analysis of SeaBank App Reviews*. 1, 226–238.
<https://doi.org/10.26798/jiko.v9i1.1523>
- Rifa'i, A., Ardhani, R., Pratama, D., & Fatihanursari, F. (2024). Analisis Sentimen Terhadap Layanan Aplikasi Grab Indonesia Menggunakan Metode Naïve Bayes. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 8(1), 303–309.
<https://doi.org/10.36040/jati.v8i1.8425>
- Rohim, A., Haviz Irfani, M., Ramadhan, M., & Ubaidillah, U. (2023). Penerapan Metode Text Mining dengan Chatbot Questions And Answer pada PT PLN (Persero) Sumatera Selatan. *Klik - Jurnal Ilmu Komputer*, 4(2), 59–67.
<https://doi.org/10.56869/klik.v4i2.551>
- Roji, F. F., Ginasta, N. G., Cahyan, Y., Rahayu, D., & Ramdani, D. (2023). Review Analysis of SatuSehat Application Using Support Vector Machine and Latent Dirichlet Allocation Modeling. *Ristec : Research in Information Systems and Technology*, 4(1), 76–88.
- Salea, A. D. (2024). Penerapan Word Embedding FastText Dalam Analisis Sentimen Review Aplikasi Jaki .
- Saputra, R. A., Ray, D. P., Irwienyah, F., Industri, F., Informatika, T., Muhammadiyah, U., & Hamka, P. (2024). Analisis Sentimen Aplikasi Tokocrypto Berdasarkan Ulasan Pada Google Play Store Menggunakan Metode Naïve Bayes. *KLIK: Kajian Ilmiah Informatika dan Komputer*, 4(4), 2028–2036. <https://doi.org/10.30865/klik.v4i4.1707>
- Singgalen, Y. A. (2024). *Understanding Hotel Customer Experience through*

- User-Generated Reviews using Knowledge Discovery in Databases (KDD) Understanding Hotel Customer Experience through User-Generated Reviews using Knowledge Discovery in Databases (KDD). November.*
<https://doi.org/10.47065/josyc.v6i1.6014>
- Srinivasa-Desikan, B. (2008). Natural Language Processing and Computational Linguistics. In *Natural Language Processing and Computational Linguistics*. <https://learning.oreilly.com/library/view/natural-language-processing/9781788838535/6c3cf8ee-c06a-4cb1-8239-f63168ac7ee9.xhtml>
- Sudriyanto, S., Faid, M., Malik, K., & Supriadi, A. (2024). Evaluasi Model Jaringan Saraf Tiruan Berbasis LSTM dalam Memprediksi Fluktuasi Harga Bitcoin. *Jurnal Advanced Research Informatika*, 2(2), 15–22.
<https://doi.org/10.24929/jars.v2i2.3398>
- Switrayana, I. N., Ashadi, D., Hairani, H., & Aminuddin, A. (2023). Sentiment Analysis and Topic Modeling of Kitabisa Applications using Support Vector Machine (SVM) and Smote-Tomek Links Methods. *International Journal of Engineering and Computer Science Applications (IJECSA)*, 2(2), 81–91.
<https://doi.org/10.30812/ijecsa.v2i2.3406>
- tanuj diwan. (n.d.). *What is Text Analytics? Comprehensive Guide for 2025*. <https://www.surveysensum.com/customer-experience/text-analytics>
- Tri Putra, K., Amin Hariyadi, M., & Crysdiyan, C. (2023). Perbandingan Feature Extraction Tf-Idf Dan Bow Untuk Analisis Sentimen Berbasis Svm. *Jurnal Cahaya MAndalika*, 1449.
- Utomo, F. S. (2025). *Information Retrieval Method for the Qur'an based on FastText and Latent Semantic Indexing*. 14, 1014–1024.
- Widiantoro, A. D., Mustafid, & Sanjaya, R. (2024). *Pengantar NLP Dan Topik Model LDA*.
- Xu, Y., & Goodacre, R. (2018). On Splitting Training and Validation Set: A Comparative Study of Cross-Validation, Bootstrap and Systematic Sampling for Estimating the Generalization Performance of Supervised Learning. *Journal of Analysis and Testing*, 2(3), 249–262.
<https://doi.org/10.1007/s41664-018-0068-2>
- Yanti, I., & Utami, E. (2024). Sentiment Analysis of Indonesia'S Capital Relocation Using Word2Vec and Long Short-Term Memory Method. *Jurnal Teknik Informatika (Jutif)*, 6(1), 149–158.
<https://doi.org/10.52436/1.jutif.2025.6.1.2712>