

DAFTAR PUSTAKA

- Alghunaim, Abdulaziz. 2015. "A Vector Space Approach for Aspect-Based Sentiment Analysis." *Massachusetts Institute of Technology*.
- Alifia Putri, Cindy, and Said al Faraby. 2020. "Analisis Sentimen Review Film Berbahasa Inggris Dengan Pendekatan Bidirectional Encoder Representations from Transformers" 6 (2): 181–93. <http://jurnal.mdp.ac.id>.
- Al-Taie, Mohammed Zuhair, Seifedine Kadry, and Joel Pinho Lucas. 2019. "Online Data Preprocessing: A Case Study Approach." *International Journal of Electrical and Computer Engineering* 9 (4): 2620–26. <https://doi.org/10.11591/ijece.v9i4.pp2620-2626>.
- Alun Sujjadaa, Somantri, Juwita Nurfazri Novianti, and Indra Griha Tofik Isa. 2023. "Analisis Sentimen Terhadap Review Bank Digital Pada Google Play Store Menggunakan Metode Support Vector Machine (Svm)." *Jurnal Rekayasa Teknologi Nusa Putra* 9 (2): 122–35. <https://doi.org/10.52005/rekayasa.v9i2.345>.
- Azhar, A. N., & Khodra, M. L. (2020). Fine-tuning Pretrained Multilingual BERT Model for Indonesian Aspect-based Sentiment Analysis. *2020 7th International Conference on Advanced Informatics: Concepts, Theory and Applications, ICAICTA 2020*. <https://doi.org/10.1109/ICAICTA49861.2020.9428882>
- Amalia, Putri Rizki, and Edi Winarko. 2021. "Aspect-Based Sentiment Analysis on Indonesian Restaurant Review Using a Combination of Convolutional Neural Network and Contextualized Word Embedding." *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)* 15 (3): 285. <https://doi.org/10.22146/ijccs.67306>.
- Ari Bangsa, M. T., Priyanta, S., & Suyanto, Y. (2020). Aspect-Based Sentiment Analysis of Online Marketplace Reviews Using Convolutional Neural Network. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, 14(2), 123. <https://doi.org/10.22146/ijccs.51646>
- Amien, Syaifulloh, Pandega Perdana, Teguh Bharata Aji, and Ridi Ferdiana. 2021. "Aspect Category Classification Dengan Pendekatan Machine Learning Menggunakan Dataset Bahasa Indonesia (Aspect Category Classification with Machine Learning Approach Using Indonesian Language Dataset)." *Jurnal Nasional Teknik Elektro Dan Teknologi Informasi* |. Vol. 10.
- Ardiansyah, Rizka, Yuri Yudhaswana, Yusuf Anshori, MYazdi Pusadan, Dwi Shinta Angreni, and dan Tantri Ika Putri. 2023. "Implementation Of Natural Language Processing (NLP) For Enhanced Spelling Error Detection Based on EYD in Thesis Manuscripts." *ScientiCO : Computer Science and Informatics Journal* 6 (1).
- Birjali, Marouane, Mohammed Kasri, and Abderrahim Beni-Hssane. 2021. "A Comprehensive Survey on Sentiment Analysis: Approaches, Challenges and Trends." *Knowledge-Based Systems* 226 (August). <https://doi.org/10.1016/j.knosys.2021.107134>.
- Cureg, Miks & Cruz, Juan & Solomon, Juan & Saharkhiz, Aresh & Balan, Ariel & Samonte, Mary Jane. (2019). Sentiment Analysis on Tweets with Punctuations, Emoticons, and Negations. *ICISS 2019: Proceedings of the 2019 2nd International Conference on Information Science and Systems*. 266-270. 10.1145/3322645.3322657.
- Devlin, Jacob, Ming-Wei Chang, Kenton Lee, Kristina Toutanova Google, and AI Language. n.d. "BERT: Pre-Training of Deep Bidirectional Transformers for Language Understanding." <https://github.com/tensorflow/tensor2tensor>.

- Diantika, Sri. 2023. "Penerapan teknik random oversampling untuk mengatasi imbalance class dalam klasifikasi website phishing menggunakan algoritma LIGHTGBM." *Jurnal Mahasiswa Teknik Informatika*. Vol. 7.
- Fibriyanti Arminda, Nanda, Nina Sulistiyowati, and Tesa Nur Padilah. 2023. "Implementasi Algoritma Multinomial Naive Bayes Pada Analisis Sentimen Terhadap Ulasan Pengguna Aplikasi Brimo." *JATI (Jurnal Mahasiswa Teknik Informatika)* 7 (3): 1817–22. <https://doi.org/10.36040/jati.v7i3.7012>.
- Firman, Arief, Dina Nurapipah, and Kata Kunci. n.d. "Analisis kualitas pelayanan melalui metode E-SERVQUAL untuk mengetahui kepuasan konsumen e-commerce Shopee pada masyarakat sukabumi." <https://doi.org/10.17576/apjitm-2019-0801-07>.
- Fimoza, D. (2021). *Analisis Sentimen Terhadap Film Indonesia Dengan PendekatanBERT*. UNIVERSITAS SUMATERA UTARA.
- Fernández, A., García, S., Herrera, F., & Chawla, N. v. (2018). SMOTE for Learning from Imbalanced Data: Progress and Challenges, Marking the 15-year Anniversary. In *Journal of Artificial Intelligence Research* (Vol. 61).
- Fachrina, Z. and Widyantoro, D.H., 2018. Aspect-sentiment classification in opinion mining using the combination of rule-based and machine learning. *Proceedings of 2017 International Conference on Data and Software Engineering, ICoDSE 2017*, 2018-January, pp.1–6. <https://doi.org/10.1109/ICODSE.2017.8285850>.
- Gholamy, Afshin, Vladik Kreinovich, and Olga Kosheleva. 2018. "A Pedagogical Explanation A Pedagogical Explanation Part of the Computer Sciences Commons." https://scholarworks.utep.edu/cs_techrephttps://scholarworks.utep.edu/cs_techrep/1209.
- Gong, Youdi, Guangzhen Liu, Yunzhi Xue, Rui Li, and Lingzhong Meng. 2023. "A Survey on Dataset Quality in Machine Learning." *Information and Software Technology* 162 (October). <https://doi.org/10.1016/j.infsof.2023.107268>.
- Han'guk T'ongsin Hakhoe, IEEE Communications Society, Denshi Jōhō Tsūshin Gakkai (Japan). Tsūshin Sosaieti, and Institute of Electrical and Electronics Engineers. n.d. *IEEE ICAIIC 2020 : The 2nd International Conference on Artificial Intelligence in Information and Communication : February 19 (Wed.) ~ 21 (Fri.), 2020, Takakura Hotel Fukuoka, Fukuoka, Japan*.
- Ilmania, Arfinda, Abdurrahman, Samuel Cahyawijaya, and Ayu Purwarianti. 2019. "Aspect Detection and Sentiment Classification Using Deep Neural Network for Indonesian Aspect-Based Sentiment Analysis." In *Proceedings of the 2018 International Conference on Asian Language Processing, IALP 2018*, 62–67. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/IALP.2018.8629181>.
- Ivana Ruslim, Katherine, and Putra Pandu Adikara. 2019. "Analisis Sentimen Pada Ulasan Aplikasi Mobile Banking Menggunakan Metode Support Vector Machine Dan Lexicon Based Features." Vol. 3. <http://j-ptiik.ub.ac.id>.
- Jindal, Kanika, and Rajni Aron. 2021. "WITHDRAWN: A Systematic Study of Sentiment Analysis for Social Media Data." *Materials Today: Proceedings*, February. <https://doi.org/10.1016/j.matpr.2021.01.048>.
- Khattak, Faiza Khan, Serena Jeblee, Chloé Pou-Prom, Mohamed Abdalla, Christopher Meaney, and Frank Rudzicz. 2019. "A Survey of Word Embeddings for Clinical Text." *Journal of Biomedical Informatics: X*. Academic Press Inc. <https://doi.org/10.1016/j.yjbinx.2019.100057>.
- Khoirul Insan, Moh Khoirul, Umi Hayati, and Odi Nurdiawan. 2023. "Analisis Sentimen Aplikasi Brimo Pada Ulasan Pengguna Di Google Play Menggunakan Algoritma

- Naive Bayes.” *JATI (Jurnal Mahasiswa Teknik Informatika)* 7 (1): 478–83. <https://doi.org/10.36040/jati.v7i1.6373>.
- Koto, Fajri, Afshin Rahimi, Jey Han Lau, and Timothy Baldwin. n.d. “IndoLEM and IndoBERT: A Benchmark Dataset and Pre-Trained Language Model for Indonesian NLP.” Online. <https://huggingface.co/>.
- Kurniasih, Aliyah, and Lindung Parningotan Manik. n.d. “On the Role of Text Preprocessing in BERT Embedding-Based DNNs for Classifying Informal Texts.” *IJACSA International Journal of Advanced Computer Science and Applications*. Vol. 13. www.ijacsa.thesai.org.
- Mas, Raden, Rizqi Wahyu Panca, Kusuma Atmaja1, and Wiyli Yustanti2. n.d. “Analisis Sentimen Customer Review Aplikasi Ruang Guru Dengan Metode BERT (Bidirectional Encoder Representations from Transformers).” *JEISBI* 02: 2021.
- Medhat, Walaa, Ahmed Hassan, and Hoda Korashy. 2014. “Sentiment Analysis Algorithms and Applications: A Survey.” *Ain Shams Engineering Journal* 5 (4): 1093–1113. <https://doi.org/10.1016/j.asej.2014.04.011>.
- Maulana, I., Apriandari, W., & Pambudi, A. (2023). ANALISIS SENTIMEN BERBASIS ASPEK TERHADAP ULASAN APLIKASI MYPERTAMINA MENGGUNAKAN SUPPORT VECTOR MACHINE. In *Idealis: Indonesia Journal Information System* (Vol. 6, Issue 2). <https://doi.org/https://doi.org/10.36080/idealis.v6i2.3022>
- Mu’asiroh, Lutfi Rokhiyatul, and Darwanto Darwanto. 2021. “Analisis Penggunaan Mobile Banking Pada Generasi Milenial Dengan Pendekatan Technology Acceptance Model (TAM).” *Ad-Deenar: Jurnal Ekonomi Dan Bisnis Islam* 5 (02): 155. <https://doi.org/10.30868/ad.v5i02.1241>.
- Nazir, Ambreen, Yuan Rao, Lianwei Wu, and Ling Sun. 2022. “Issues and Challenges of Aspect-Based Sentiment Analysis: A Comprehensive Survey.” *IEEE Transactions on Affective Computing*. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/TAFFC.2020.2970399>.
- Poria, Soujanya, Devamanyu Hazarika, Navonil Majumder, and Rada Mihalcea. 2020. “Beneath the Tip of the Iceberg: Current Challenges and New Directions in Sentiment Analysis Research,” May. <http://arxiv.org/abs/2005.00357>.
- Pratama, Yoga Tika, Fitra Abdurrachman Bachtiar, and Nanang Yudi Setiawan. 2018. “Analisis Sentimen Opini Pelanggan Terhadap Aspek Pariwisata Pantai Malang Selatan Menggunakan TF-IDF Dan Support Vector Machine.” Vol. 2. <http://j-ptiik.ub.ac.id>.
- Prihatini, Putu Manik. 2016. “implementasi ekstraksi fitur pada pengolahan dokumen berbahasa indonesia The Implementation of Extraction Feature on Indonesian Documents’ Processing.” *JURNAL MATRIX*. Vol. 6.
- Priyantina, Reza Amalia, and Riyanarto Sarno. 2019. “Sentiment Analysis of Hotel Reviews Using Latent Dirichlet Allocation, Semantic Similarity and LSTM.” *International Journal of Intelligent Engineering and Systems* 12 (4): 142–55. <https://doi.org/10.22266/ijies2019.0831.14>.
- Puji Astuti, Anggi, Syariful Alam, and Irsan Jaelani. 2022. “Komparasi Algoritma Support Vector Machine Dengan Naive Bayes Untuk Analisis Sentimen Pada Aplikasi BRImo.” *Jurnal Bangkit Indonesia* 11 (2): 1–6. <https://doi.org/10.52771/bangkitindonesia.v11i2.196>.
- Riyaddulloh, Riri, and Ade Romadhony. 2021. “Normalisasi Teks Bahasa Indonesia Berbasis Kamus Slang Studi Kasus: Tweet Produk Gadget Pada Twitter.” *Agustus* 8 (4).

- Rozi, Imam Fahrur, Rizky Ardiansyah, Naomi Rebeka, Program Studi, Teknik Informatika, Jurusan Teknologi Informasi, and Politeknik Negeri Malang. n.d. "Penerapan Normalisasi Kata Tidak Baku Menggunakan Levenshtein Distance Pada Analisa Sentimen Layanan PT. KAI Di Twitter."
- Ruslim, Katherine Ivana, Putra Pandu Adikara, and Indriati. 2019. "Analisis Sentimen Pada Ulasan Aplikasi Mobile Banking Menggunakan Metode Support Vector Machine Dan Lexicon Based Features." *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer* 3 (7): 6694–6702.
- Shani, Guy, and Asela Gunawardana. 2011. "Evaluating Recommendation Systems." In *Recommender Systems Handbook*, 257–97. Springer US. https://doi.org/10.1007/978-0-387-85820-3_8.
- Thakkar, Harsh. 2015. "Approaches for Sentiment Analysis on Twitter: A State-of-Art Study." <https://www.researchgate.net/publication/285648161>.
- Vaswani, Ashish, Google Brain, Noam Shazeer, Niki Parmar, Jakob Uszkoreit, Llion Jones, Aidan N Gomez, Łukasz Kaiser, and Illia Polosukhin. n.d. "Attention Is All You Need."
- Wahyu Handani, Sitaresmi, Dhanar Intan Surya Saputra, Hasirun, Rizky Mega Arino, and Gita Fiza Asyrofi Ramadhan. 2019. "Sentiment Analysis for Go-Jek on Google Play Store." In *Journal of Physics: Conference Series*. Vol. 1196. Institute of Physics Publishing. <https://doi.org/10.1088/1742-6596/1196/1/012032>.
- Wilie, Bryan, Karissa Vincentio, Genta Indra Winata, Samuel Cahyawijaya, Xiaohong Li, Zhi Yuan Lim, Sidik Soleman, et al. 2020. "IndoNLU: Benchmark and Resources for Evaluating Indonesian Natural Language Understanding," September. <http://arxiv.org/abs/2009.05387>.
- Zhou, Jie, Jimmy Xiangji Huang, Qin Chen, Qinmin Vivian Hu, Tingting Wang, and Liang He. 2019. "Deep Learning for Aspect-Level Sentiment Classification: Survey, Vision, and Challenges." *IEEE Access*. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ACCESS.2019.2920075>.
- Zohreh Madhoushi, Zohreh Madhoushi, Abdul Razak Hamdan, and Suhaila Zainudin. 2019. "Aspect-Based Sentiment Analysis Methods in Recent Years." *Asia-Pacific Journal of Information Technology & Multimedia* 08 (01): 79–96.