

DAFTAR PUSTAKA

- Abdan Sifa, Isti Masruroh, Muhamad Abdan Zulfa, Sirfi Nur Fitriani, & Naerul Edwin Kiky Aprianto. (2024). Transformasi digital e-commerce dalam menguasai konsentrasi pasar di Indonesia. *Jurnal Ilmiah Ekonomi Dan Manajemen*, 2(12), 405–413. <https://doi.org/10.61722/jiem.v2i12.3239>
- Ackerman, D., Hu, J., & Gross, B. (2024). Whose opinions do we listen to? the influence of online product ratings and price on consumers. *Journal of Applied Marketing Theory*, 11(1), 19–33. <https://doi.org/10.20429/jamt.2024.110103>
- Aji, A. F., Winata, G. I., Koto, F., Cahyawijaya, S., Romadhony, A., Mahendra, R., Kurniawan, K., Moeljadi, D., Prasajo, R. E., Baldwin, T., Lau, J. H., & Ruder, S. (2022). *One country, 700+ languages: nlp challenges for underrepresented languages and dialects in Indonesia*. <http://arxiv.org/abs/2203.13357>
- Alzahrani, M. E., Aldhyani, T. H. H., Alsubari, S. N., Althobaiti, M. M., & Fahad, A. (2022). Developing an intelligent system with deep learning algorithms for sentiment analysis of e-commerce product reviews. In *Computational Intelligence and Neuroscience* (Vol. 2022). Hindawi Limited. <https://doi.org/10.1155/2022/3840071>
- Anggraini, A., Kunang, Y., & Firdaus. (2020). Penerapan naive bayes pada detection malware dengan diskritisasi variabel. *Telematika*, 13(1), 11–21. <https://doi.org/10.35671/telematika.v13i1.886>
- Batiuk, T. (2023, August 18). *Intellectual system for sentiment analysis of user reviews in e-commerce services*. <https://doi.org/10.36074/logos-18.08.2023.37>
- Bordoloi, M., & Biswas, S. K. (2023). Sentiment analysis: A survey on design framework, applications and future scopes. *Artificial Intelligence Review*, 56(11), 12505–12560. <https://doi.org/10.1007/s10462-023-10442-2>
- Brauwers, G., & Frasincar, F. (2022). A survey on aspect-based sentiment classification. *ACM Computing Surveys*, 55(4). <https://doi.org/10.1145/3503044>
- Cahyawijaya, S., Aji, A. F., Lovenia, H., Winata, G. I., Willie, B., Mahendra, R., Koto, F., Moeljadi, D., Vincentio, K., Romadhony, A., & Purwarianti, A. (2022). *NusaCrowd: A call for open and reproducible nlp research in Indonesian languages*. <http://arxiv.org/abs/2207.10524>
- Cambria, E. (2023). *Alleget keynote remarks: Emerging topics in sentiment analysis*. <https://doi.org/10.3233/aise230010>
- Coursaris, Osch, W., & Albini, A. (2018). Antecedents and consequents of information

- usefulness in user-generated online reviews: A multi-group moderation analysis of review valence. *AIS Transactions on Human-Computer Interaction*, 16(1), 110–138. <https://doi.org/10.17705/1thci.00102>
- Courtois, M., Ostendorff, M., Hennig, L., & Rehm, G. (2024). *Symmetric dot-product attention for efficient training of BERT language models*. <http://arxiv.org/abs/2406.06366>
- da Rocha Junqueira, ulia, Leonel da Silva, F. V., Costa, W., Carvalho, R. B., Bender, A. T., Corrêa, U. B., & de Freitas, L. A. (2023). *Bertimbau in action: an investigation of its abilities in sentiment analysis, aspect extraction, hate speech detection, and irony detection*. <https://doi.org/https://doi.org/10.32473/flairs.36.133186>
- Devlin, J., Chang, M.-W., Lee, K., & Toutanova, K. (2018). *BERT: Pre-training of deep bidirectional transformers for language understanding*. <http://arxiv.org/abs/1810.04805>
- Dhinakaran, V. T. (2019). *App review analysis via active learning: Reducing supervision effort without compromising classification accuracy*. <https://doi.org/https://doi.org/10.1109/RE.2018.00026>
- Ernawati, A., Ofta Sari, A., Nurhaliza Sofyan, S., Iqbal, M., & Farta Wijaya, R. (2023). *Implementasi algoritma naive bayes dalam menganalisis sentimen review pengguna Tokopedia pada produk kesehatan*. 4(4), 533–543. <https://doi.org/10.47065/bit.v3i1>
- Fatah, A., Savitri, C., Pramudita Faddila, S., Studi Manajemen, P., Ekonomi dan Bisnis, F., & Buana Perjuangan Karawang, U. (n.d.). *The effect of online shopping transaction satisfaction and consumer trust on e-commerce consumer attitudes (The case of purchasing Shopee products among Generation Z in Ciherang Hamlet, Karawang)*.
- Gillioz, A., Casas, J., Mugellini, E., & Khaled, O. A. (2020). Overview of the transformer-based models for NLP tasks. *Proceedings of the 2020 Federated Conference on Computer Science and Information Systems, FedCSIS 2020*, 179–183. <https://doi.org/10.15439/2020F20>
- Gondhi, N. K., Chaahat, Sharma, E., Alharbi, A. H., Verma, R., & Shah, M. A. (2022). Efficient long short-term memory-based sentiment analysis of e-commerce reviews. *Computational Intelligence and Neuroscience*, 2022. <https://doi.org/10.1155/2022/3464524>
- Hantoro, K., Handayani, D., & Setiawati, S. (2022). A implementation of text mining in sentiment analysis of Shopee Indonesia using SVM. *Bulletin of Information Technology (BIT)*, 3(2), 115–120. <https://doi.org/10.47065/bit.v3i1.282>

- He, T., Wang, T., Abbey, R., & Griffin, J. (2019). *High-performance support vector machines and its applications*. <http://arxiv.org/abs/1905.00331>
- Hiew, J. Z. G., Huang, X., Mou, H., Li, D., Wu, Q., & Xu, Y. (2019). *BERT-based financial sentiment index and LSTM-based stock return predictability*. <https://doi.org/https://doi.org/10.34148/teknika.v13i1.770>
- Inayah, S. S. D., Alda, R., Adama, B. A. F., & Wardhana, A. C. (2024). Analisis Pengalaman Pengguna Shopee: Evaluasi Dengan UMUX dan UMUX-Lite. *Teknika*, 13(1), 120–126. <https://doi.org/10.34148/teknika.v13i1.770>
- Indrani, P., Janaki, P., Gayathri, P., Chandrasahini, P., Charitha Reddy, P., & Apparao, G. (2023). *Product review sentiment analysis*. www.ijfmr.com
- Kachkou, D. I. (2021). Language modeling and bidirectional coders representations: An overview of key technologies. *Informatics*, 17(4), 61–72. <https://doi.org/10.37661/1816-0301-2020-17-4-61-72>
- Kaur, J. (2018). Stopwords removal and its algorithms based on different methods. *International Journal of Advanced Research in Computer Science*, 9(5), 81–88. <https://doi.org/10.26483/ijarcs.v9i5.6301>
- Kedah, Z. (2023). Use of e-commerce in the world of business. *Startupreneur Bisnis Digital (SABDA)*, 2(1). <https://doi.org/10.34306/sabda.v2i1.273>
- Kyritsis, K., Spatiotis, N., Perikos, I., & Paraskevas, M. (2023). *A comparative performance evaluation of algorithms for the analysis and recognition of emotional content*. <https://doi.org/http://dx.doi.org/10.5772/intechopen.112627>
- Lien, Y. C., Zhang, R., Harper, F. M., Murdock, V., & Lee, C. J. (2022). Leveraging customer reviews for e-commerce query generation. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 13186 LNCS, 190–198. https://doi.org/10.1007/978-3-030-99739-7_22
- Mehta, S. (2023). *Playing smart with numbers: Predicting student graduation*. <https://doi.org/DOI:10.3305>
- Mui, D., Kee, H., Haniff, M., Bin Wawi, H., Hidayat, M., Zohri, A., Mok, H. X., Mok, M. N., Rafif, M. I., Lutfiani, L. S., Hafizh, U., Gilar Priyambodo, H., Kee, D. M. H., Wawi, M. H. H., Zohri, M. H., Mok, H. X., Mok, M. N., & Rafif, M. I. (2023). Are you satisfied with Shopee? A study of customer satisfaction towards Shopee. *International Journal of Tourism and Hospitality in Asia Pasific (IJTHAP)*, 6(2), 102–115. <https://doi.org/10.32535/ijthap.v6i2.234>

- Mulyani, A., Kurniadi, D., Nashrulloh, M. R., Julianto, I. T., & Regita, M. (2022). The prediction of PPA and KIP-Kuliah scholarship recipients using naive Bayes algorithm. *Jurnal Teknik Informatika (Jutif)*, 3(4), 821–827. <https://doi.org/10.20884/1.jutif.2022.3.4.297>
- Murfi, H., Gowandi, T., Ardaneswari, G., & Nur-rohmah, S. (2022). *BERT-based combination of convolutional and recurrent neural network for Indonesian sentiment analysis*. <https://www.google.com/amp/s/ekbis.sindonews.com/newsread/472710/39/e-commerce->
- Nawaz, A., Nawaz, M., Shaikh, N. A., Rajper, S., Baber, J., & Khalid, M. (2023). *TPTS: Text pre-processing techniques for Sindhi language*. 4(3). <https://doi.org/10.58619/pjest>
- Niu, Y. (2023). A natural language processing model based on pre-trained deep learning models. *Computer Science and Technology. Computer Science and Technology*. <https://doi.org/10.57237/j.cst.2022.01.007>
- Nur Amir Sjaif, N. (2021). A survey on sentiment analysis approaches in e-commerce. In *IJACSA) International Journal of Advanced Computer Science and Applications* (Vol. 12, Issue 10). <https://doi.org/https://doi.org/10.14569/IJACSA.2021.0121074>
- Papadopoulos, C. C., Panagakis, Y., Koubarakis, M., & Nicolaou, M. A. (2022). *Efficient learning of multiple NLP tasks via collective weight factorization on BERT*. <https://doi.org/https://doi.org/10.18653/v1/2022.findings-naacl.66>
- Prabowo, D. A., Tariazela, C., & Birgithri, A. (2024). An examination of the impact of using marketplaces to promote the growth of micro, small, and medium enterprises (MSMEs) in Indonesia. *Startupreneur Business Digital (SABDA Journal)*, 3(1), 26–33. <https://doi.org/10.33050/sabda.v3i1.483>
- Purbaya, M. E., Rakhmadani, D. P., Maliana Puspa Arum, & Luthfi Zian Nasifah. (2023). Implementation of n-gram methodology to analyze sentiment reviews for Indonesian chips purchases in Shopee e-marketplace. *Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, 7(3), 609–617. <https://doi.org/10.29207/resti.v7i3.4726>
- Qiang, Z., Taylor, K., & Wang, W. (2024). *How does a text preprocessing pipeline affect ontology syntactic matching?* <https://doi.org/https://doi.org/10.17577/IJERTV6IS090084>
- Rajvanshi, N., & Chowdhary, K. R. (2017). *Comparison of SVM and Naïve Bayes Text Classification Algorithms using WEKA*. <https://archive.ics.uci.edu/ml/machine->

learning-

- Rodríguez-Pérez, R., & Bajorath, J. (2022). Evolution of support vector machine and regression modeling in chemoinformatics and drug discovery. *Journal of Computer-Aided Molecular Design*, 36(5), 355–362. <https://doi.org/10.1007/s10822-022-00442-9>
- Sandar Kyaw, K., Tepsongkroh, P., Thongkamkaew, C., & Sasha, F. (2022). *Asia social issues business intelligent framework using sentiment analysis for smart digital marketing in the e-commerce era*. <https://doi.org/https://doi.org/10.48048/asi.2023.252965>
- Sathish A.S., Prakash M., V. Shanthan. Kumar, & Mahesh Pavan Sathavalli. (2022). Role of digital marketing in growth of e-commerce business in India: An empirical study. *Journal of Pharmaceutical Negative Results*, 226–233. <https://doi.org/10.47750/pnr.2022.13.s09.027>
- Sativilla Mohan Kumar, & Advin Manhar. (2024). Sentimental analysis of customer reviews using RPA and categorization of reviews using ChatGPT. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, 10(3), 246–251. <https://doi.org/10.32628/ijsrcseit>
- Setiawan, S., & Ridwanulloh, M. U. (2024). Analisis hukum ekonomi syariah terhadap penerapan sistem pembayaran cicilan (Paylater) pada marketplace Shopee. *MAQASIDI: Jurnal Syariah Dan Hukum*, 69–85. <https://doi.org/10.47498/maqasidi.v4i1.3163>
- Shina Sabrila, T., Azhar, Y., & Sri Kusuma Aditya, C. (2022). Analisis sentimen tweet tentang UU Cipta Kerja menggunakan algoritma SVM berbasis PSO. In *Jurnal Informatika Sunan Kalijaga* (Vol. 7, Issue 1). <https://doi.org/https://doi.org/10.14421/jiska.2022.7.1.10-19>
- Shofiroh, N. (2022). *E-commerce ecosystems and their role in education and digital business growth: A literature review*.
- Sultan, N. (2022). Sentiment analysis of Amazon product reviews using supervised machine learning techniques. *Knowledge Engineering and Data Science*, 5(1), 101. <https://doi.org/10.17977/um018v5i12022p101-108>
- Sun, J., Wang, M., Ren, D., & Chen, D. (2024). Research and application of text-based sentiment analytics. *Frontiers in Artificial Intelligence and Applications*, 396, 619–629. <https://doi.org/10.3233/FAIA241391>
- Tarr, A., & Imai, K. (2021). *Estimating average treatment effects with support vector*

- machines*. <http://arxiv.org/abs/2102.11926>
- Tsagkias, M., Holloway King, T., Kallumadi, S., Murdock, V., & de Rijke, M. (2020). *Challenges and research opportunities in e-commerce search and recommendations*.
- Usherwood, P., & Smit, S. (2019). *Low-shot classification: A comparison of classical and deep transfer machine learning approaches*. <http://arxiv.org/abs/1907.07543>
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, L., & Polosukhin, I. (2017). *Attention Is All You Need*. <http://arxiv.org/abs/1706.03762>
- Vishwakarma, V., Bokoliya, R., Shinde, A., Bhoinkar, S., & Patil, S. (2018). *Natural language processing* (Issue 5). www.ijariie.com143
- Wang, J., Jimmy X. Huang, Xinhui TU, Wang, J., Angela, J. H., MD Tahmid, & Bhuiyan, A. (2024). Utilizing BERT for information retrieval: Survey, applications, resources, and challenges. *IEEE International Conference on Program Comprehension, 2022-March*, 36–47. <https://doi.org/10.1145/>
- Wang, W. (2023). Text sentiment classification method based on BiLSTM. In *Business, Economics and Management GEFHR* (Vol. 2023). <https://doi.org/https://doi.org/10.54097/hbem.v21i.14737>
- Wankhade, M., Rao, A. C. S., & Kulkarni, C. (2022). A survey on sentiment analysis methods, applications, and challenges. *Artificial Intelligence Review*, 55(7), 5731–5780. <https://doi.org/10.1007/s10462-022-10144-1>
- Winata, G. I., Aji, A. F., Cahyawijaya, S., Mahendra, R., Koto, F., Romadhony, A., Kurniawan, K., Moeljadi, D., Prasojo, R. E., Fung, P., Baldwin, T., Lau, J. H., Sennrich, R., & Ruder, S. (2022). *NusaX: Multilingual parallel sentiment dataset for 10 Indonesian local languages*. <http://arxiv.org/abs/2205.15960>
- Wu, Y., Jin, Z., Shi, C., Liang, P., & Zhan, T. (2024). *Research on the application of deep learning-based BERT model in sentiment analysis*. <https://doi.org/https://doi.org/10.54254/2755-2721/71/2024MA>
- Zain, F. F., & Sibaroni, Y. (2019). *Effectiveness of Naïve Bayes weighted SVM method in movie review classification* (Vol. 5, Issue 2). <https://doi.org/https://doi.org/10.23917/khif.v5i2.7770>