

## DAFTAR PUSTAKA

- [1] H. Junawan and N. Laugu, “Eksistensi Media Sosial, Youtube, Instagram dan Whatsapp Ditengah Pandemi Covid-19 Dikalangan Masyarakat Virtual Indonesia,” *jurnal Ilmu Perpustakaan dan Informasi*, vol. 4, pp. 41–57, 2020, Accessed: Jan. 17, 2024. [Online]. Available: [https://www.baitululum.fah.uinjambi.ac.id/index.php/b\\_ulum/article/view/46/25](https://www.baitululum.fah.uinjambi.ac.id/index.php/b_ulum/article/view/46/25)
- [2] Faqihatin, “Peran Media Sosial dalam Menunjang Pembelajaran Mata Kuliah Pendidikan Agama Islam dan Pembinaan Karakter Mahasiswa,” *EDUKATIF: JURNAL ILMU PENDIDIKAN*, vol. 3, pp. 4254–4262, 2021.
- [3] B. Pratama, Susanti, S. Erlinda, and H. Asnal, “Support Vector Machine untuk Sentiment Analysis Bakal Calon Presiden Republik Indonesia 2024,” *Indonesian Journal of Computer Science*, vol. 12, pp. 1135–1149, 2023.
- [4] T. I. Cahyani, W. Gata, D. D. Saputra, H. B. Novitasari, and Hernawati, “ANALISIS SENTIMEN TERHADAP TELKOMSEL DAN XL BERBASIS MACHINE LEARNING PADA DATA TWITTER,” *Journal of Information Technology and Computer Science (INTECOMS)*, vol. 6, pp. 265–273, Jun. 2023, Accessed: Jan. 17, 2024. [Online]. Available: <https://journal.ipm2kpe.or.id/index.php/INTECOM/article/view/5765/3457>
- [5] D. Oktavia, Y. R. Ramadahan, and Minarto, “Analisis Sentimen Terhadap Penerapan Sistem E-Tilang Pada Media Sosial Twitter Menggunakan Algoritma Support Vector Machine (SVM),” *Kajian Ilmiah Informatika dan Komputer*, pp. 407–417, 2023.
- [6] Y. A. Saputra, S. F. Pane, and R. M. Awangga, *Big Data : Implementasi Hadoop MapReduce pada Pemetaan Sekolah Menggunakan Python*, vol. R. M. Awangga. Kreatif Industri Nusantara, 2020. Accessed: Jan. 20, 2024. [Online]. Available: [https://www.google.co.id/books/edition/BIG\\_DATA\\_IMPLEMENTASI\\_HADOOP\\_MAPREDUCE\\_P/Zaj8DwAAQBAJ?hl=en&gbpv=1&dq=python+adalah&pg=PA90&printsec=frontcover](https://www.google.co.id/books/edition/BIG_DATA_IMPLEMENTASI_HADOOP_MAPREDUCE_P/Zaj8DwAAQBAJ?hl=en&gbpv=1&dq=python+adalah&pg=PA90&printsec=frontcover)
- [7] G. A. Setiawan and E. Vania, *Praktek Pemrograman C++ dan Python*. SCU Knowledge Media, 2022. Accessed: Jan. 20, 2024. [Online]. Available: [https://www.google.co.id/books/edition/Praktek\\_Pemrograman\\_C++\\_dan\\_Python/nzJsEAAAQBAJ?hl=en&gbpv=0](https://www.google.co.id/books/edition/Praktek_Pemrograman_C++_dan_Python/nzJsEAAAQBAJ?hl=en&gbpv=0)
- [8] S. Rahman *et al.*, *PYTHON: DASAR DAN PEMROGRAMAN BERORIENTASI OBJEK*. TAHTA MEDIA GROUP, 2023. Accessed: Jan. 20, 2024. [Online]. Available: <https://tahtamedia.co.id/index.php/issj/article/view/344/341>
- [9] T. Wahyono, *Python for Machine Learning*. Gava Media, 2018.
- [10] A. D. Sidik and A. Ansawarman, “Prediksi Jumlah Kendaraan Bermotor Menggunakan Machine Learning,” *Formosa Journal of Multidisciplinary Research (FJMR)*, vol. 1, pp. 559–568, Jul. 2022.

- [11] Z. F. Abror, "Klasifikasi Citra Kebakaran Dan Non Kebakaran," *J. Ilm. Teknol. dan Rekayasa*, vol. 24, pp. 102–113, 2019.
- [12] N. M. S. Surameery and M. Y. Shakor, "Use Chat GPT to Solve Programming Bugs," *international Journal of Information Technology and Computer Engineering*, pp. 17–22, Jan. 2023.
- [13] I. Lauriola, A. Lavelli, and F. Aioli, "An introduction to Deep Learning in Natural Language Processing: Models, techniques, and tools," *Neurocomputing*, vol. 470, pp. 443–456, 2022.
- [14] D. Khurana, A. Koli, K. Khatter, and S. Singh, "Natural language processing: state of the art, current trends and challenges," *Multimed Tools Appl*, pp. 3713–3744, 2023.
- [15] M. P. Aji and U. G. Aeman, "Aplikasi Speech Recognition untuk audio forensik Speech Recognition application for audio forensics," *Jurnal Media Pratama*, vol. 17, pp. 61–73, Jun. 2023.
- [16] B. B. K. F. Bonfilio *et al.*, *ChatGPT dalam Pendidikan*. SIEGA Publisher, 2023.
- [17] F. A. Nugraha, N. H. Harani, and R. Habibi, *Analisis Sentimen Terhadap Pembatasan Sosial Menggunakan Deep Learning*. Kreatif Industri Nusantara, 2020.
- [18] R. Kelvin, Purba, R., and A. Halim, "Stock Price Prediction Using XCEEMDAN-Bidirectional LSTM-Spline," *Indonesian Journal of Artificial Intelligence and Data Mining (IJAIMD)*, vol. 5, pp. 1–12, 2022.
- [19] Y. Karyadi and H. Santoso, "Prediksi Kualitas Udara Dengan Metoda LSTM, Bidirectional LSTM, dan GRU," *Jurnal Teknik Informatika dan Sistem Informasi*, vol. 9, pp. 671–684, Mar. 2022.
- [20] H. Elfaik and E. H. Nfaoui, "Deep Bidirectional LSTM Network Learning-Based Sentiment Analysis for Arabic Text," *Journal of Intelligent Systems*, pp. 395–412, Mar. 2021.
- [21] S. Suryono, E. Utami, and E. T. Luthfi, "KLASIFIKASI SENTIMEN PADA TWITTER DENGAN NAIVE BAYES CLASSIFIER," *Jurnal Ilmiah Bidang Teknologi, ANGKASA*, vol. 10, May 2018.
- [22] L. Zhang, S. Wang, and B. Liu, "Deep learning for sentiment analysis: A survey," *Wiley Interdiscip. Rev. Data Min. Knowl. Discov.*, vol. 8, 2018.
- [23] A. Kedia and M. Rasu, *Hands-On Python Natural Language Processing*. Birmingham: Packt, 2020.
- [24] C. Cappi *et al.*, "DATASET DEFINITION STANDARD (DDS)," 2020.
- [25] Mustika *et al.*, *DATA MINING DAN APLIKASINYA*. Penerbit Widina, 2021.
- [26] Yahya, *Data Mining*. CV Jejak (Jejak Publisher), 2022.
- [27] A. Shrivastava, "Sentiment Analysis Dataset."
- [28] M. D. Purbolaksono, M. I. Tantowi, A. I. Hidayat, and Adiwijaya, "Perbandingan Support Vector Machine dan Modified Balanced Random Forest dalam Deteksi Pasien Penyakit Diabetes," *JURNAL RESTI*, vol. 5, pp. 393–399, 2021.
- [29] S. F. Pane and J. Ramdan, "Pemodelan Machine Learning: Analisis Sentimen Masyarakat Terhadap Kebijakan PPKM Menggunakan Data Twitter," *Jurnal Sistem Cerdas*, vol. 5, pp. 12–20, 2022.

- [30] M. K. A. Reiki, Y. Sibaroni, and E. B. Setiawan, "Comparison of Term Weighting Methods in Sentiment Analysis of the New State Capital of Indonesia with the SVM Method," *journal on Information and Communication Technology (IJoICT)*, vol. 8, pp. 53–65, Dec. 2022, Accessed: Jan. 19, 2024. [Online]. Available: <https://socj.telkomuniversity.ac.id/ojs/index.php/ijoict/article/view/681/369>
- [31] S. Hanief and I. W. Jepriana, *Konsep Algoritme dan Aplikasinya dalam Bahasa Pemrograman C++*. Penerbit Andi, 2020.
- [32] A. A. Murad and Wahyuddin, *Ekonomi Makro: Suatu Analisis dan Aplikasi "Komputer."* Jakad Media Publishing, 2020.
- [33] A. B. Chaudhuri, *Flowchart and Algorithm Basics: The Art of Programming*. Mercury Learning & Information, 2020. Accessed: Jan. 03, 2024. [Online]. Available: [https://books.google.co.id/books?hl=en&lr=&id=JJYJEAAAQBAJ&oi=fnd&pg=PP7&dq=flowchart+symbols&ots=vJG8R2276Z&sig=3IbKw8OE34JFDyReqBry9eNmytA&redir\\_esc=y#v=onepage&q=flowchart%20symbols&f=false](https://books.google.co.id/books?hl=en&lr=&id=JJYJEAAAQBAJ&oi=fnd&pg=PP7&dq=flowchart+symbols&ots=vJG8R2276Z&sig=3IbKw8OE34JFDyReqBry9eNmytA&redir_esc=y#v=onepage&q=flowchart%20symbols&f=false)
- [34] Y. Sari, *Logika Algoritma, Pseudocode, Flowchart, dan C++*. Perahu Litera, 2017.
- [35] A. T. Zy, A. T. Sasongko, and A. Z. Kamalia, "Penerapan Naïve Bayes Classifier, Support Vector Machine, dan Decision Tree untuk Meningkatkan Deteksi Ancaman Keamanan Jaringan," *KLIK: Kajian Ilmiah Informatika dan Komputer*, vol. 4, pp. 610–617, Aug. 2023, Accessed: Jan. 03, 2024. [Online]. Available: <http://www.djournals.com/klik/article/view/1134/722>
- [36] R. G. Guntara, "Deteksi Atap Bangunan Berbasis Citra Udara Menggunakan Google Colab dan Algoritma Deep Learning YOLOv7," *Jurnal Manajemen Sistem Informasi (JMASIF)*, vol. 2, pp. 9–18, Apr. 2023, Accessed: Jan. 03, 2024. [Online]. Available: <http://journal.msti-indonesia.com/index.php/jmasif/article/view/156/83>
- [37] Poornima G. Naik, *Conceptualizing Python in Google COLAB: Hands-on Practical Sessions*. Shashwat Publication, 2023.
- [38] Arifannisa *et al.*, *SUMBER & PENGEMBANGAN MEDIA PEMBELAJARAN*. PT. Sonpedia Publishing Indonesia, 2023. Accessed: Jan. 21, 2024. [Online]. Available: [https://www.google.co.id/books/edition/SUMBER\\_PENGEMBANGAN\\_MEDIA\\_PEMBELAJARAN\\_T/oV63EAAAQBAJ?hl=en&gbpv=1&dq=notepad+adalah&pg=PA42&printsec=frontcover](https://www.google.co.id/books/edition/SUMBER_PENGEMBANGAN_MEDIA_PEMBELAJARAN_T/oV63EAAAQBAJ?hl=en&gbpv=1&dq=notepad+adalah&pg=PA42&printsec=frontcover)
- [39] Y. S. Nugroho, W. Supriyanto, Nurgiyatna, and E. W. Pamungkas, *DATA WAREHOUSING & DATA MINING*. Muhammadiyah University Press, 2019. Accessed: Jan. 21, 2024. [Online]. Available: [https://www.google.co.id/books/edition/DATA\\_WAREHOUSING\\_DATA\\_MINING\\_Modul\\_Prakt/BP9FEAAAQBAJ?hl=en&gbpv=1&dq=notepad+adalah&pg=PA138&printsec=frontcover](https://www.google.co.id/books/edition/DATA_WAREHOUSING_DATA_MINING_Modul_Prakt/BP9FEAAAQBAJ?hl=en&gbpv=1&dq=notepad+adalah&pg=PA138&printsec=frontcover)

- [40] Supono and V. Putratama, *PEMROGRAMAN WEB DENGAN MENGGUNAKAN PHP DAN FRAMEWORK CODEIGNITER*. DEEPUBLISH, 2018.
- [41] N. Munasatya and S. Novianto, “Natural Language Processing untuk Analisis Sentimen Presiden Jokowi Menggunakan Multi Layer Perceptron,” *Techno.COM*, vol. 19, pp. 237–244, Aug. 2020.
- [42] P. Arsi, I. Prayoga, and M. H. Asyari, “Klasifikasi Sentimen Publik Terhadap Jenis Vaksin Covid-19 yang Tersertifikasi WHO Berbasis NLP dan KNN,” *JURNAL MEDIA INFORMATIKA BUDIDARMA*, pp. 260–266, Jan. 2023.
- [43] R. A. Fauzianto and Supatman, “ANALISIS SENTIMEN OPINI MASYARAKAT TERHADAP TECH WINTER PADA TWITTER MENGGUNAKAN NATURAL LANGUAGE PROCESSING,” *JURNAL SYNTAX DMIRATION*, vol. 4, Sep. 2023.
- [44] A. R. Maulana, S. H. Wijoyo, and Y. T. Mursityo, “ANALISIS SENTIMEN KEBIJAKAN PENERAPAN KURIKULUM MERDEKA SEKOLAH DASAR DAN SEKOLAH MENENGAH PADA MEDIA SOSIAL TWITTER DENGAN MENGGUNAKAN METODE WORD EMBEDDING DAN LONG SHORT-TERM MEMORY NETWORKS (LSTM),” *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIK)*, vol. 10, pp. 523–530, 2019.
- [45] C. Humam and A. D. Laksito, “Implementasi Aplikasi Sentimen Pada Data Twitter Jelang Pemilu 2024,” *Jurnal Informatika: Jurnal pengembangan IT (JPIT)*, vol. 8, pp. 105–112, May 2023.