

DAFTAR PUSTAKA

- [1] I. Jenderal, "Inspektorat Jenderal Kementerian Perindustrian," 31 May 2022. [Online]. Available: <https://itjen.kemenperin.go.id/post/transparansi-di-era-digital>. [Accessed 6 October 2024].
- [2] D. K. Bogor, "Implementasi E-Surat dan Tandatangan Digital di Pemerintah Kota Bogor," [Online]. Available: <https://kominfo.kotabogor.go.id/index.php/post/single/603>.
- [3] I. K. A. Tamiang, "Implementasi Penggunaan Tanda Tangan Elektronik," 2024. [Online]. Available: <https://inspektorat.acehtamiangkab.go.id/berita/serba-serbi/137-implementasi-penggunaan-tanda-tangan-elektronik.html>.
- [4] "BBC NEWS Indonesia," 7 September 2024. [Online]. Available: <https://www.bbc.com/indonesia/articles/c6234qw4wzgo>. [Accessed 6 October 2024].
- [5] R. Sirait, A. Nugraha, Y. Serah and S. Marpaung, "Keabsahan Materai Elektronik: Perspektif Hukum Siber terhadap Efektivitas Penggunaan E-Materai dalam Transaksi Bisnis Online (E-Commerce)," *Jurnal Reformasi Hukum*, p. 70–79, 2024.
- [6] M. Izzunnahdi, G. Abdurrahman and A. Wardoyo, "Sentimen Analisis pada Data Ulasan Aplikasi KAI Access di Google PlayStore menggunakan Metode Multinomial Naive Bayes," *Jurnal Smart Teknologi*, p. 192–198, 2023.
- [7] F. Zamachsari, G. Saragih, Susafa'ati and W. Gata, "Analisis Sentimen Pemindahan Ibu Kota Negara dengan Feature Selection Algoritma Naive Bayes dan Support Vector Machine," *Jurnal Rekayasa Sistem dan Teknologi Informasi*, p. 504–512, 2020.
- [8] R. Wahyudi and G. Kusumawardhana, "Analisis sentimen pada review Aplikasi Grab di Google Play Store menggunakan Support Vector Machine," *Jurnal Informatika*, p. 200–207, 2021.

- [9] L. Bao, P. Lambert and T. Badia, "Improving Aspect-Based Neural Sentiment Classification with Lexicon Enhancement, Attention Regularization, and Sentiment Induction," *Natural Language Engineering*, p. 1–30, 2024.
- [10] L. Ilmawan and M. Mude, "Perbandingan Metode Klasifikasi Support Vector Machine dan Naïve Bayes untuk Analisis Sentimen pada Ulasan Tekstual di Google Play Store," *ILKOM Jurnal Ilmiah*, p. 154–161, 2020.
- [11] Ardiyansyah and Parjito, "Perbandingan Metode Naïve Bayes dan Support Vector Machine dalam Analisis Sentimen terhadap Tokoh Publik," *KLIK: Kajian Ilmiah Informatika dan Komputer*, p. 2813–2821, 2024.
- [12] I. Maulana, W. Apriandri and A. Pambudi, "Analisis Sentimen Berbasis Aspek terhadap Ulasan Aplikasi MyPertamina menggunakan Support Vector Machine," *Idealis: Indonesia Journal Information System*, p. 172–181, 2023.
- [13] F. Roji, R. Setiawan, R. Gusdiana, M. Cahyadiputra and W. Hamdi, "Implementasi Tanda Tangan Digital pada Pembuatan Surat Keterangan dengan Metodologi Scrum," *Jurnal Algoritma*, p. 199–202, 2023.
- [14] M. Tanjung, "Kegunaan E-Meterai dalam Dokumen Elektronik dan Implementasinya," *NUSANTARA: Jurnal Ilmu Pengetahuan Sosial*, p. 1034–1038, 2023.
- [15] O. J. Keuangan, "Daftar Penyelenggara Inovasi Keuangan Digital per Januari 2023," 2023.
- [16] D. J. P. R. Digital, "Komdigi," [Online]. Available: <https://tte.komdigi.go.id/>. [Accessed 19 October 2024].
- [17] Xignature, "Xignature," [Online]. Available: <https://www.xignature.co.id/en>. [Accessed 19 October 2024].
- [18] M. Rosid, A. Fitrani, I. Astutik, N. Mulloh and H. Gozali, "Improving Text Preprocessing for Student Complaint Document Classification using Sastrawi," in *IOP Conference Series: Materials Science and Engineering*, 2020.

- [19] M. Hoang, O. Bihorae and J. Rouces, "Aspect-Based Sentiment Analysis using BERT," *Linköping University Electronic Press*, p. 187–196, 2019.
- [20] T. Wuriyanto, H. Setiawan and A. Tjandrarini, "Penerapan Model CRISP-DM pada Prediksi Nasabah Kredit yang Berisiko menggunakan Algoritma Support Vector Machine," *Jurnal Ilmiah Scroll: Jendela Teknologi Informasi*, p. 1–6, 2022.
- [21] A. Abelard and Y. Sibaroni, "Multi-Aspect Sentiment Analysis on Netflix Application using Latent Dirichlet Allocation and Support Vector Machine Methods," *Jurnal Infotel*, p. 128–133, 2021.
- [22] Wahyudin, "Aplikasi Topic Modeling pada Pemberitaan Portal Berita Online Selama Masa PSBB Pertama," in *Seminar Nasional Official Statistics 2019: Pengembangan Official Statistics dalam mendukung Implementasi SDG's*, Jakarta, 2019.
- [23] S. Singh and R. Dwivedi, "Data Mining: Dirty Data and Data Cleaning," in *International conference on recent trends in artificial intelligence, IOT, smart cities & applications (ICAISC-2020)*.
- [24] N. Widiari, I. Suarjaya and D. Githa, "Teknik Data Cleaning menggunakan Snowflake untuk Studi Kasus Objek Pariwisata di Bali," *Jurnal Ilmiah Merpati*, p. 137–145, 2020.
- [25] A. Upadhye, "A Comprehensive Survey of Text Data Cleaning Techniques: Challenges, Methods, and Best Practices," *Journal of Scientific and Engineering Research*, p. 205–210, 2020.
- [26] R. Lourdusamy and S. Abraham, "A Survey on Text Pre-Processing Techniques and Tools," *International Journal of Computer Sciences and Engineering*, p. 148–157, 2018.
- [27] A. R. Lubis and M. Nasution, "Twitter Data Analysis and Text Normalization in Collecting Standard Word," *Journal of Applied Engineering and Technological Science (JAETS)*, vol. 4, no. 2, pp. 855-863, 2023.

- [28] J. Hughes, "krippendorffsalpha: An R Package for Measuring Agreement Using Krippendorff's Alpha Coefficient," *The R Journal*, pp. 413 - 425, 2021.
- [29] J. Alshehri, M. Stanojevic, E. Dragut and Z. Obradovic, "On Label Quality in Class Imbalance Setting - A Case Study," in *2022 21st IEEE International Conference on Machine Learning and Applications (ICMLA)*, Nassau, Bahamas, 2022.
- [30] Y. Kustyahningsih and Y. Permana, " Penggunaan Latent Dirichlet Allocation (LDA) dan Support-Vector Machine (SVM) untuk Menganalisis Sentimen berdasarkan Aspek dalam Ulasan Aplikasi EdLink," *Jurnal Teknologi Informasi dan Komunikasi*, p. 127–136, 2024.
- [31] F. Charte , A. J. Rivera, M. J. del Jesus and F. Herrera, "REMEDIAL-HwR: Tackling multilabel imbalance through label decoupling and data resampling hybridization," *Neurocomputing*, pp. 110-122, 2019.
- [32] F. Charte, A. J. Rivera, M. J. del Jesus and F. Herrera, "MLSMOTE: Approaching Imbalanced Multilabel Learning Through Synthetic Instance Generation," *Knowledge-Based Systems*, pp. 385-397, 2015.
- [33] F. Charte, A. Rivera, M. J. del Jesus and F. Herrera, "Resampling Multilabel Datasets by Decoupling Highly Imbalanced Labels," in *Hybrid Artificial Intelligent Systems*, 2015.
- [34] A. Hafeez, T. Ali, A. Nawaz, S. U. Rehman, A. I. Mudasir, A. A. Alsulami and A. Alqahtani, "Addressing Imbalance Problem for Multi Label Classification of Scholarly Articles," *IEEE Access*, pp. 74500-74516, 2023.
- [35] R. C. Morales-Hernandez, J. G. Jaguey and D. Becerra-Alonso, "A Comparison of Multi-Label Text Classification Models in Research Articles Labeled With Sustainable Development Goals," *IEEE Access*, pp. 123534-123548, 2022.
- [36] S. Kalmegh and B. Padar, "Empirical Study on Evaluation Metrics for Classification Algorithms," *International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)*, pp. 656-660, 2023.

- [37] A. Pajankar and A. Joshi, Introduction to Machine Learning with Scikit Learn., 2022.
- [38] D. Ningtyas and N. Setiyawati, " Implementasi Flask Framework pada Pembangunan Aplikasi Purchasing Approval Request," *Jurnal Janitra Informatika dan Sistem Informasi*, p. 19–34, 2021.
- [39] N. Hidayati, F. Hamami and R. Fa'rifah, "Aspect-Based Sentiment Analysis on FLIP Application Reviews (Play Store) using Support Vector Machine (SVM) Algorithm," *JITE (Journal of Informatics and Telecommunication Engineering)*, pp. 183-197, 2023.
- [40] J. Wardhana and Y. Sibaroni, "Aspect Level Sentiment Analysis on Zoom Cloud Meetings App Review using LDA," *Jurnal Rekayasa Sistem dan Teknologi Informasi*, p. 631–638, 2021.