

DAFTAR PUSTAKA

- [1] Erika Erilia, “Isi Lengkap RUU Perampasan Aset, Pro-Kontra, & Sejarahnya,” *tirto.id*. Accessed: Dec. 06, 2025. [Online]. Available: <https://tirto.id/pro-kontra-isi-ruu-perampasan-aset-sejarah-apakah-sudah-disahkan-g21P>
- [2] Novianti Setuningsih, Tria Sutrisna, and Tim Redaksi, “Sah, RUU Perampasan Aset Masuk dalam Prolegnas Prioritas 2025 dan 2026,” *Kompas.com*. Accessed: Dec. 02, 2025. [Online]. Available: <https://nasional.kompas.com/read/2025/09/23/14024361/sah-ruu-perampasan-aset-masuk-dalam-prolegnas-prioritas-2025-dan-2026#>
- [3] Norbertus Arya Dwiangga Martiar, “Komisi Iii Dpr: Bahas Ruu Perampasan Aset Berdasarkan Perdebatan Hukum, Bukan Perdebatan Politis,” *Kompas.id*. Accessed: Nov. 01, 2025. [Online]. Available: <https://www.kompas.id/artikel/komisi-iii-dpr-bahas-ruu-perampasan-aset-berdasar-perdebatan-hukum-bukan-perdebatan-politis>
- [4] “Daftar Media Sosial yang Paling Banyak Digunakan di Indonesia,” *tempo*. Accessed: Oct. 20, 2025. [Online]. Available: <https://www.tempo.co/digital/daftar-media-sosial-yang-paling-banyak-digunakan-di-indonesia-2060584>
- [5] kepios, “Statistik media sosial global,” *Data Reportal*. Accessed: Nov. 09, 2025. [Online]. Available: <https://datareportal.com/social-media-users>
- [6] SIMON KEMP, “Digital 2025: Indonesia,” *DATAREPORTAL*. Accessed: Oct. 25, 2025. [Online]. Available: <https://papaya-avocado-9tgy.squarespace.com/reports/digital-2025-indonesia>
- [7] Y. Durmuş, “Media and Communication in the Digital Age: Changes and Dynamics,” 2023. [Online]. Available: <https://www.researchgate.net/publication/375116310>
- [8] “69248-ID-implementasi-opinion-mining-analisis-sen”.
- [9] S. Peng *et al.*, “A survey on deep learning for textual emotion analysis in social networks,” Oct. 01, 2022, *KeAi Communications Co*. doi: 10.1016/j.dcan.2021.10.003.

- [10] Riccosan, K. E. Saputra, G. D. Pratama, and A. Chowanda, "Emotion dataset from Indonesian public opinion," *Data Brief*, vol. 43, Aug. 2022, doi: 10.1016/j.dib.2022.108465.
- [11] C. Shaw, P. LaCasse, and L. Champagne, "Exploring emotion classification of indonesian tweets using large scale transfer learning via IndoBERT," *Soc. Netw. Anal. Min.*, vol. 15, no. 1, Dec. 2025, doi: 10.1007/s13278-025-01439-6.
- [12] A. Zamsuri, S. Defit, and G. W. Nurcahyo, "Classification Of Multiple Emotions In Indonesian Text Using The K-Nearest Neighbor Method."
- [13] D. Zhou, X. Zhang, Y. Zhou, Q. Zhao, and X. Geng, "Emotion Distribution Learning from Texts."
- [14] M. Adnanul Islam, M. Saddam Hossain Mukta, P. Olivier, and M. M. Rahman, "Comprehensive guidelines for emotion annotation," in *IVA 2022 - Proceedings of the 22nd ACM International Conference on Intelligent Virtual Agents*, Association for Computing Machinery, Inc, Sep. 2022. doi: 10.1145/3514197.3549640.
- [15] C. Shaw, P. LaCasse, and L. Champagne, "Exploring emotion classification of indonesian tweets using large scale transfer learning via IndoBERT," *Soc. Netw. Anal. Min.*, vol. 15, no. 1, Dec. 2025, doi: 10.1007/s13278-025-01439-6.
- [16] M. Diqi, "Mengenal Deep Learning", doi: 10.6084/m9.figshare.21985499.v1.
- [17] T. Chutia and N. Baruah, "A review on emotion detection by using deep learning techniques," *Artif. Intell. Rev.*, vol. 57, no. 8, Aug. 2024, doi: 10.1007/s10462-024-10831-1.
- [18] E. T. Luthfi, Z. Izzah, M. Yusoh, and B. M. Aboobaider, "Enhancing the Takhrij Al-Hadith based on Contextual Similarity using BERT Embeddings." [Online]. Available: www.ijacsa.thesai.org
- [19] F. M. Apriansyah, T. I. Ramadhan, C. R. Hidayat, and A. K. Wijaya, "Perbandingan IndoBERT dan IndoRoBERTa Untuk Analisis Sentimen Pada Film Dokumenter Dirty Vote," *Jurnal Informatika: Jurnal Pengembangan IT*, vol. 10, no. 3, pp. 593–605, Jul. 2025, doi: 10.30591/jpit.v10i3.8607.

- [20] W. Christian, D. Adamlu, A. Yu, and D. Suhartono, “Leveraging IndoBERT and DistilBERT for Indonesian Emotion Classification in E-Commerce Reviews,” Sep. 2025, [Online]. Available: <http://arxiv.org/abs/2509.14611>
- [21] F. Koto, A. Rahimi, J. H. Lau, and T. Baldwin, “IndoLEM and IndoBERT: A Benchmark Dataset and Pre-trained Language Model for Indonesian NLP,” Online. [Online]. Available: <https://huggingface.co/>
- [22] E. Sinaga, “Analisis Dampak Kebijakan RUU Perampasan Aset Di Indonesia: Kajian Literatur,” *Jurnal ISO: Jurnal Ilmu Sosial, Politik dan Humaniora*, vol. 5, no. 1, p. 12, Jun. 2025, doi: 10.53697/iso.v5i1.2650.
- [23] Lalola Easter, “RUU Perampasan Aset: Setengah Hati Berantas Kejahatan Ekonomi,” Indonesia Corruption Watch (ICW). Accessed: Oct. 20, 2025. [Online]. Available: <https://antikorupsi.org/id/ruu-perampasan-aset-setengah-hati-berantas-kejahatan-ekonomi>
- [24] R. Bayuaji and F. Hadi, “Asset Recovery In Corruption Cases In Indonesia: A Human Rights Perspective,” vol. 19, pp. 93–112, 2025, doi: 10.25041/fiatjustisia.v19no1.
- [25] S. De Putri and A. Toni, “Sosiologi: Jurnal Ilmiah Kajian Ilmu Sosial Dan Budaya Analisis Percakapan Netizen Pada Channel Youtube @Totalpolitik Sebagai Media Ruang Publik Komunikasi Politik,” vol. 26, no. 2, pp. 133–150, 2024, [Online]. Available: <http://jurnalsosiologi.fisip.unila.ac.id/index.php/jurnal>
- [26] Dr. Dhara Ashish Darji and Dr. Sachinkumar Anandpal Goswami, “The Comparative study of Python Libraries for Natural Language Processing (NLP),” *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, vol. 10, no. 2, pp. 499–512, Mar. 2024, doi: 10.32628/cseit2410242.
- [27] K. H. Chang, “Natural Language Processing: Recent Development and Applications,” Oct. 01, 2023, *Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/app132011395.
- [28] P. Krasadakis, E. Sakkopoulos, and V. S. Verykios, “A Survey on Challenges and Advances in Natural Language Processing with a Focus on Legal Informatics and Low-Resource Languages,” Feb. 01, 2024,

- Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/electronics13030648.
- [29] Rohit Kumar Yadav, Aanchal Madaan, and Janu, “Comprehensive analysis of natural language processing,” *Global Journal of Engineering and Technology Advances*, vol. 19, no. 1, pp. 083–090, Apr. 2024, doi: 10.30574/gjeta.2024.19.1.0058.
 - [30] *Text mining: predictive methods for analyzing unstructured information*. Scholars Portal, 2019.
 - [31] H. Xie, Z. Tan, and X. Lv, “Application of Artificial Intelligence in Financial Risk Management in a Company,” in *ACM International Conference Proceeding Series*, Association for Computing Machinery, Dec. 2024, pp. 349–354. doi: 10.1145/1122445.1122456.
 - [32] E. Haddi, X. Liu, and Y. Shi, “The role of text pre-processing in sentiment analysis,” in *Procedia Computer Science*, Elsevier B.V., 2013, pp. 26–32. doi: 10.1016/j.procs.2013.05.005.
 - [33] S. Khairunnisa, A. Adiwijaya, and S. Al Faraby, “Pengaruh Text Preprocessing terhadap Analisis Sentimen Komentar Masyarakat pada Media Sosial Twitter (Studi Kasus Pandemi COVID-19),” *JURNAL MEDIA INFORMATIKA BUDIDARMA*, vol. 5, no. 2, p. 406, Apr. 2021, doi: 10.30865/mib.v5i2.2835.
 - [34] B. Liu, “Sentiment Analysis and Opinion Mining,” Morgan & Claypool Publishers, 2012.
 - [35] U. Ekman *et al.*, “Evaluation of a Novel Psychological Intervention Tailored for Patients With Early Cognitive Impairment (PIPPI): Study Protocol of a Randomized Controlled Trial,” *Front. Psychol.*, vol. 11, Dec. 2020, doi: 10.3389/fpsyg.2020.600841.
 - [36] Paul Ekman, “Pan-Cultural-Elements-In-Facial-Display-Of-Emotion,” pp. 86–88, Apr. 1969.
 - [37] M. Javed and S. Kamal, “Normalization of Unstructured and Informal Text in Sentiment Analysis,” 2018. [Online]. Available: www.ijacsa.thesai.org
 - [38] R. Setiabudi, N. M. S. Iswari, and A. Rusli, “Enhancing text classification performance by preprocessing misspelled words in Indonesian language,”

- Telkomnika (Telecommunication Computing Electronics and Control)*, vol. 19, no. 4, pp. 1234–1241, Aug. 2021, doi: 10.12928/TELKOMNIKA.v19i4.20369.
- [39] S. Sanjaya, R. G. Guntara, and S. S. Maesaroh, “Sentiment Analysis Of Linkaja Digital Wallet Application Reviews On Google Playstore Using Transfer Learning Indobert Analisis Sentimen Aplikasi Dompot Digital Linkaja Di Google Playstore Menggunakan Transfer Learning Indobert,” vol. 10, no. 3, 2025.
- [40] C. Schröer, F. Kruse, and J. M. Gómez, “A systematic literature review on applying CRISP-DM process model,” in *Procedia Computer Science*, Elsevier B.V., 2021, pp. 526–534. doi: 10.1016/j.procs.2021.01.199.
- [41] (Ncr and J. Clinton, “CRISP-DM 1.0 Step-by-step data mining guide,” DaimlerChrysler, 1999.
- [42] B. Wilie *et al.*, “IndoNLU: Benchmark and Resources for Evaluating Indonesian Natural Language Understanding.” [Online]. Available: <https://github.com/annisanurulazhar/absa-playground>
- [43] F. Koto, J. H. Lau, and T. Baldwin, “IndoBERTweet: A Pretrained Language Model for Indonesian Twitter with Effective Domain-Specific Vocabulary Initialization,” Sep. 2021, [Online]. Available: <http://arxiv.org/abs/2109.04607>
- [44] F. Indriani, R. A. Nugroho, M. R. Faisal, and D. Kartini, “Comparative Evaluation of IndoBERT, IndoBERTweet, and mBERT for Multilabel Student Feedback Classification,” *Jurnal RESTI*, vol. 8, no. 6, pp. 748–757, Dec. 2024, doi: 10.29207/resti.v8i6.6100.
- [45] G. Z. Nabiilah, I. N. Alam, E. S. Purwanto, and M. F. Hidayat, “Indonesian multilabel classification using IndoBERT embedding and MBERT classification,” *International Journal of Electrical and Computer Engineering*, vol. 14, no. 1, pp. 1071–1078, Feb. 2024, doi: 10.11591/ijece.v14i1.pp1071-1078.
- [46] M. N. Zaidan, Y. Sibaroni, and S. S. Prasetyowati, “Learning Rate And Epoch Optimization In The Fine-Tuning Process For Indobert’s Performance On Sentiment Analysis Of Mytelkomsel App Reviews,” *Jurnal Teknik*

- Informatika (Jutif)*, vol. 5, no. 5, pp. 1443–1450, Oct. 2024, doi: 10.52436/1.jutif.2024.5.5.2396.
- [47] S. Dudi, B. K. Singh, and T. S. Ruprah, “Review: Text Based Emotion Detection Using Deep Learning Technique,” 2025, pp. 100–120. doi: 10.2991/978-94-6463-852-3_7.
 - [48] G. Zeng, “Invariance Properties and Evaluation Metrics Derived from the Confusion Matrix in Multiclass Classification,” *Mathematics*, vol. 13, no. 16, Aug. 2025, doi: 10.3390/math13162609.
 - [49] K. Krippendorff, *Content Analysis: An Introduction to Its Methodology*. SAGE Publications, Inc., 2022. doi: 10.4135/9781071878781.
 - [50] A. F. Hayes and K. Krippendorff, “Answering the Call for a Standard Reliability Measure for Coding Data,” *Commun. Methods Meas.*, vol. 1, no. 1, pp. 77–89, Apr. 2007, doi: 10.1080/19312450709336664.
 - [51] K. Mani and A. K. B. Shenoy, “Machine learning models in web applications: A comprehensive review,” 2025, *Korean Institute of Communications and Information Sciences*. doi: 10.1016/j.ict.2025.09.001.
 - [52] O. Neumann, M. Schilling, M. Reischl, and R. Mikut, “EasyMLServe: Easy Deployment of REST Machine Learning Services,” Nov. 2022, doi: 10.5445/KSP/1000151141.
 - [53] A. Rianti *et al.*, “CRISP-DM: Metodologi Proyek Data Science,” 2023.
 - [54] A. Rahman, M. Zulkifle, M. K. Alam Ansari, S. -, and M. Aslam, “Literature Review: A Significant Feature of Writing a Research Report,” *World J. Res. Rev.*, vol. 11, no. 1, Jul. 2020, doi: 10.31871/wjrr.11.1.13.
 - [55] “Applying-the-CRISP-DM-data-mining-process-in-the-financial-services-industry-Elicitation”.
 - [56] A. F. Hidayatullah and M. R. Ma’Arif, “Pre-processing Tasks in Indonesian Twitter Messages,” in *Journal of Physics: Conference Series*, Institute of Physics Publishing, Mar. 2017. doi: 10.1088/1742-6596/801/1/012072.
 - [57] M. B. Nugroho, A. Khanif Zyen, and A. Widiastuti, “Multiclass Sentiment Analysis of Electric Vehicle Incentive Policies Using IndoBERT and DeBERTa Algorithms,” 2025. [Online]. Available: <http://jurnal.polibatam.ac.id/index.php/JAIC>

- [58] M. H. Ahmed, S. Tiun, N. Omar, and N. S. Sani, "Short Text Clustering Algorithms, Application and Challenges: A Survey," Jan. 01, 2023, *MDPI*. doi: 10.3390/app13010342.
- [59] C. H. Lin and U. Nuha, "Sentiment analysis of Indonesian datasets based on a hybrid deep-learning strategy," *J. Big Data*, vol. 10, no. 1, Dec. 2023, doi: 10.1186/s40537-023-00782-9.
- [60] R. Setiabudi, N. M. S. Iswari, and A. Rusli, "Enhancing text classification performance by preprocessing misspelled words in Indonesian language," *Telkomnika (Telecommunication Computing Electronics and Control)*, vol. 19, no. 4, pp. 1234–1241, Aug. 2021, doi: 10.12928/TELKOMNIKA.v19i4.20369.
- [61] V. R. Joseph, "Optimal ratio for data splitting," *Stat. Anal. Data Min.*, vol. 15, no. 4, pp. 531–538, Aug. 2022, doi: 10.1002/sam.11583.
- [62] G. Z. Nabiilah, I. N. Alam, E. S. Purwanto, and M. F. Hidayat, "Indonesian multilabel classification using IndoBERT embedding and MBERT classification," *International Journal of Electrical and Computer Engineering*, vol. 14, no. 1, pp. 1071–1078, Feb. 2024, doi: 10.11591/ijece.v14i1.pp1071-1078.
- [63] Z. A. Sriyanti, D. S. Y. Kartika, and A. R. E. Najaf, "Implementasi Model Bert Pada Analisis Sentimen Pengguna Twitter Terhadap Aksi Boikot Produk Israel," *Jurnal Informatika dan Teknik Elektro Terapan*, vol. 12, no. 3, Aug. 2024, doi: 10.23960/jitet.v12i3.4743.
- [64] F. Farahnakian *et al.*, "Addressing imbalanced data for machine learning based mineral prospectivity mapping," Nov. 01, 2024, *Elsevier B.V.* doi: 10.1016/j.oregeorev.2024.106270.