

DAFTAR PUSTAKA

- [1] A. Enggarwati and A. P. Y. Utomo, “Fungsi, Peran, dan Kategori Sintaksis Bahasa Indonesia dalam kalimat Berita dan Kalimat Seruan pada Naskah Pidato Bung Karno 17 Agustus 1945,” *ESTETIK : Jurnal Bahasa Indonesia*, vol. IV, no. 1, pp. 37–54, Jul. 2021, doi: 10.29240/estetik.v4i1.2209.
- [2] E. Syahputra, R. F. Y. Lubis, and R. R. Tanjung, “Penggunaan Bahasa Indonesia Baku di Kalangan Mahasiswa,” *Jurnal Pendidikan Tambusai*, vol. 6, no. 2, pp. 12883–12887, 2022.
- [3] O. Mailani, I. Nuraeni, S. A. Syakila, and J. Lazuardi, “Bahasa Sebagai Alat Komunikasi Dalam Kehidupan Manusia,” *KAMPRETJournal*, vol. 1, no. 2, pp. 1–10, Jan. 2022, doi: 10.35335/kampret.v1i1.8.
- [4] Taufik and N. F. Amir, “Pola Kalimat Tunggal Murid Tk Di Kecamatan Namlea Kabupaten Buru: Analisis Trasformasi Generatif,” *KAMBOTI: Jurnal Ilmu Sosial dan Humaniora*, pp. 75–84, 2020.
- [5] S. A. Buono, N. Faradillah, T. Utami, I. Sabrina, A. Purwo, and Y. Utomo, “Analisis Kesalahan Sintaksis pada Cerpen Berjudul ‘Warisan untuk Doni’ Karya Putu Ayub,” *Pusat Riset dan Inovasi Nasional*, vol. I, no. 1, pp. 88–101, 2022.
- [6] T. Afrilla, S. Anwar Wiranto, and F. Alhusaini, “Kesalahan Penggunaan Frasa dan Kalimat pada Berita Daring CNN Indonesia,” *Jurnal Parafrasa: Bahasa, Sastra dan Pengajaran*, vol. 3, no. 2, pp. 54–61, Oct. 2021.
- [7] A. M. Moeliono, H. Lapolowa, H. Alwi, S. S. T. W. Sasangka, and Siiglyono, *Tata bahasa baku bahasa Indonesia*, 4th ed. Jakarta: Badan Pengembangan dan Pembinaan Bahasa, 2017.
- [8] Misnawati et al., *Bahasa Indonesia Untuk Keperluan Akademik Era Digital*. Demak: Yayasan Drestanta Pelita Indonesia, 2024.

- [9] A. Musyafa, Y. Gao, A. Solyman, C. Wu, and S. Khan, "Automatic Correction of Indonesian Grammatical Errors Based on Transformer," *Applied Sciences (Switzerland)*, vol. 12, no. 20, Oct. 2022, doi: 10.3390/app122010380.
- [10] B. Sandi Pamungkas *et al.*, "Analisis Kesalahan Berbahasa Indonesia dalam Berita Online Cikampek Info di Instagram dan Rekomendasinya Sebagai Materi Ajar Tingkat SMP," *Journal on Education*, vol. 05, no. 02, pp. 4158–4169, 2023.
- [11] A. Karina, E. Y. Yanthi, N. Nurmiyanti, and M. Sinaga, "Analisis Kesalahan Berbahasa Tataran Sintaksis di Instagram Kementerian Kesehatan Republik Indonesia," *Journal of Language Education, Linguistics and Culture*, vol. 3, no. 1, pp. 1–15, 2023, doi: 10.25299/j-lelc.v3i1.11681.
- [12] R. Sari, Missriani, and Yessi Fitriani, "Analisis Kesalahan Sintaksis Bahasa Indonesia Dalam Karangan," *Jurnal Pembahsi (Pembelajaran Bahasa Dan Sastra Indonesia)*, vol. 12, no. 2, pp. 76–85, Aug. 2022, doi: 10.31851/pembahsi.v12i2.9668.
- [13] A. Mulyanto and A. S. Nurjaman, "Analisis Kesalahan Morfologi pada Situs Daring Kompasiana.com Edisi Februari 2023 dan Implikasinya terhadap Pembelajaran Bahasa Indonesia di SMA/MA," *Diglosia: Jurnal Pendidikan, Kebahasaan, dan Kesusastraan Indonesia*, vol. 7, no. 2, 2023, [Online]. Available: <https://jurnal.unisi.ac.id/index.php/diglosia>
- [14] A. H. Pangestika, V. T. Suharto, and D. Puspitasari, "Analisis Kesalahan Morfologi dan Sintaksis pada Teks Ulasan Karya Siswa MTs Negeri 5 Ponorogo Tahun 2020/2021," *Widyabastra: Jurnal Ilmiah Pembelajaran Bahasa dan Sastra Indonesia*, vol. 10, no. 2, pp. 114–124, 2022, [Online]. Available: <https://jurnal.umt.ac.id/index.php/lgrm/article/view/12645>

- [15] M. Agkris and S. B. T. Simorangkir, "Analisis Kesalahan Sintaksis dalam Skripsi Mahasiswa Program Studi Pendidikan Bahasa Indonesia," *Dharmas Education Journal (DE_Journal)*, vol. 4, no. 2, pp. 540–549, Dec. 2023, doi: 10.56667/dejournal.v4i2.1086.
- [16] F. Lubis *et al.*, "Analysis of Methods to Correct Indonesian Language Spelling Errors in Thesis Writing among Students of State University of Medan," *EDUCTUM: Journal Research*, vol. 2, no. 6, pp. 5–9, 2023.
- [17] Grammarly, "What is Grammarly?" Accessed: Jun. 04, 2024. [Online]. Available: <https://support.grammarly.com/hc/en-us/articles/115000090792-What-is-Grammarly>
- [18] F. Rahutomo, A. S. Mulyo, and P. Y. Saputra, "Automatic Grammar Checking System For Indonesian," in *2018 International Conference on Applied Science and Technology (iCAST)*, 2018, pp. 308–313. doi: 10.1109/iCAST1.2018.8751591.
- [19] A. Vaswani *et al.*, "Attention is All you Need," in *Advances in Neural Information Processing Systems*, I. Guyon, U. Von Luxburg, S. Bengio, H. Wallach, R. Fergus, S. Vishwanathan, and R. Garnett, Eds., Curran Associates, Inc., 2017. [Online]. Available: https://proceedings.neurips.cc/paper_files/paper/2017/file/3f5ee243547dee91fbd053c1c4a845aa-Paper.pdf
- [20] T. Lin, Y. Wang, X. Liu, and X. Qiu, "A survey of transformers," *AI Open*, vol. 3, pp. 111–132, Jan. 2022, doi: 10.1016/j.aiopen.2022.10.001.
- [21] X. Qiu, T. Sun, Y. Xu, Y. Shao, N. Dai, and X. Huang, "Pre-trained models for natural language processing: A survey," *Sci China Technol Sci*, vol. 63, no. 10, pp. 1872–1897, 2020, doi: 10.1007/s11431-020-1647-3.

- [22] Z. He, "English Grammar Error Detection Using Recurrent Neural Networks," *Sci Program*, vol. 2021, 2021, doi: 10.1155/2021/7058723.
- [23] J. Devlin, M.-W. Chang, K. Lee, and K. Toutanova, "BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding," Oct. 2018, doi: 10.48550/arXiv.1810.04805.
- [24] K. I. Roumeliotis and N. D. Tselikas, "ChatGPT and Open-AI Models: A Preliminary Review," Jun. 01, 2023, *MDPI*. doi: 10.3390/fi15060192.
- [25] J. Zhu, X. Shi, and S. Zhang, "Machine Learning-Based Grammar Error Detection Method in English Composition," *Sci Program*, vol. 2021, 2021, doi: 10.1155/2021/4213791.
- [26] N. Agarwal, M. A. Wani, and P. Bours, "Lex-pos feature-based grammar error detection system for the English language," *Electronics (Switzerland)*, vol. 9, no. 10, pp. 1–18, Oct. 2020, doi: 10.3390/electronics9101686.
- [27] N. Lin, B. Chen, X. Lin, K. Wattanachote, and S. Jiang, "A Framework for Indonesian Grammar Error Correction," *ACM Transactions on Asian and Low-Resource Language Information Processing*, vol. 20, no. 4, Jul. 2021, doi: 10.1145/3440993.
- [28] K. Parnow, Z. Li, and H. Zhao, "Grammatical Error Correction as GAN-like Sequence Labeling," May 2021, [Online]. Available: <http://arxiv.org/abs/2105.14209>
- [29] S. Gusti and J. Marudut, "Analysis of Morphological Error in Print Newspaper as Indonesian Language Teaching Materials Study Year 2020/2021," 2022.
- [30] T. Kudo and J. Richardson, "SentencePiece: A simple and language independent subword tokenizer and detokenizer for Neural Text Processing," 2018. [Online]. Available: <https://arxiv.org/abs/1808.06226>

- [31] T. Kudo, "Subword Regularization: Improving Neural Network Translation Models with Multiple Subword Candidates," in *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, I. Gurevych and Y. Miyao, Eds., Melbourne, Australia: Association for Computational Linguistics, Jul. 2018, pp. 66–75. doi: 10.18653/v1/P18-1007.
- [32] A. Viterbi, "Error bounds for convolutional codes and an asymptotically optimum decoding algorithm," *IEEE Trans Inf Theory*, vol. 13, no. 2, pp. 260–269, 1967, doi: 10.1109/TIT.1967.1054010.
- [33] G. Nong, S. Zhang, and W. H. Chan, "Linear Suffix Array Construction by Almost Pure Induced-Sorting," in *2009 Data Compression Conference*, 2009, pp. 193–202. doi: 10.1109/DCC.2009.42.
- [34] Python Software Foundation, "difflib — Helpers for computing deltas." Accessed: Jul. 17, 2025. [Online]. Available: <https://docs.python.org/3/library/difflib.html>
- [35] GeeksForGeeks, "Compare sequences in Python using difflib module." Accessed: Jul. 17, 2025. [Online]. Available: <https://www.geeksforgeeks.org/python/compare-sequences-in-python-using-difflib-module>
- [36] W. Gad, A. Alokla, W. Nazih, A.-B. M.Salem, and M. Aref, "DLBT: Deep Learning-Based Transformer to Generate Pseudo-Code from Source Code," *Cmc -Tech Science Press-*, vol. 70, pp. 3117–3123, Jun. 2021, doi: 10.32604/cmc.2022.019884.
- [37] T. Fawcett, "An introduction to ROC analysis," *Pattern Recognit Lett*, vol. 27, no. 8, pp. 861–874, Jun. 2006, doi: 10.1016/j.patrec.2005.10.010.

- [38] “Corpora Collection Leipzig - Indonesian.” Accessed: Jul. 03, 2025. [Online]. Available: <https://wortschatz.uni-leipzig.de/en/download/Indonesian>
- [39] I. Kamajaya and D. Moeljadi, “IndoMorph: a Morphology Engine for Indonesian,” in *Proceedings of the Second Workshop in South East Asian Language Processing*, D. Wijaya, A. F. Aji, C. Vania, G. I. Winata, and A. Purwarianti, Eds., Online: Association for Computational Linguistics, Jan. 2025, pp. 72–81. [Online]. Available: <https://aclanthology.org/2025.sealp-1.7/>
- [40] Python Software Foundation, “re — Regular expression operations.” Accessed: Jul. 17, 2025. [Online]. Available: <https://docs.python.org/3/library/re.html>
- [41] P. Qi, Y. Zhang, Y. Zhang, J. Bolton, and C. D. Manning, “Stanza: A Python Natural Language Processing Toolkit for Many Human Languages,” Apr. 2020.
- [42] Python Software Foundation, “Sastrawi.” Accessed: Jul. 04, 2025. [Online]. Available: <https://pypi.org/project/Sastrawi/>
- [43] Python Software Foundation, “sentencepiece.” Accessed: Jul. 17, 2025. [Online]. Available: <https://pypi.org/project/sentencepiece>
- [44] T. H. Phan and K. Yamamoto, “Resolving Class Imbalance in Object Detection with Weighted Cross Entropy Losses,” Jun. 2020.