

## REFERENCES

- [1] Koroteev MV. BERT: A Review of Applications in Natural Language Processing and Understanding. Epub ahead of print 2021. DOI: 10.48550/ARXIV.2103.11943.
- [2] Wang H, Li J, Wu H, et al. Pre-Trained Language Models and Their Applications. *Engineering* 2023; 25: 51–65.
- [3] Tsai H, Riesa J, Johnson M, et al. Small and Practical BERT Models for Sequence Labeling. In: *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)*. Hong Kong, China: Association for Computational Linguistics, pp. 3630–3634.
- [4] Garrido-Merchan EC, Gozalo-Brizuela R, Gonzalez-Carvajal S. Comparing BERT Against Traditional Machine Learning Models in Text Classification. *JCCE* 2023; 2: 352–356.
- [5] Salih MI, Mohammed SM, Ibrahim AKh, et al. Fine-Tuning BERT for Automated News Classification. *Eng Technol Appl Sci Res* 2025; 15: 22953–22959.
- [6] Yulianti E, Bhary N, Abdurrohman J, et al. Named entity recognition on Indonesian legal documents: a dataset and study using transformer-based models. *IJECE* 2024; 14: 5489.
- [7] Hsu E, Malagaris I, Kuo Y-F, et al. Deep learning-based NLP data pipeline for EHR-scanned document information extraction. *JAMIA Open* 2022; 5: ooac045.
- [8] Li X, Zhang H, Zhou X-H. Chinese clinical named entity recognition with variant neural structures based on BERT methods. *Journal of Biomedical Informatics* 2020; 107: 103422.
- [9] Hou R. Hyperparameter Optimization for Improving BERT-Based Irony Sentence Recognition. In: Wang Y (ed) *Proceedings of the 2024 2nd International Conference on Image, Algorithms and Artificial Intelligence (ICIAAI 2024)*. Dordrecht: Atlantis Press International BV, pp. 634–639.
- [10] Zhou Y, Srikumar V. A Closer Look at How Fine-tuning Changes BERT. In: *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*. Dublin, Ireland: Association for Computational Linguistics, pp. 1046–1061.
- [11] Anugerah Simanjuntak, Rosni Lumbantoruan, Kartika Sianipar, et al. Research and Analysis of IndoBERT Hyperparameter Tuning in Fake News Detection. *Jurnal Nasional Teknik Elektro dan Teknologi Informasi* 2024; 13: 60–67.