

REFERENCES

- [1] S. Rahman and S. Ullah, "Email Spam Detection using Bidirectional Long Short Term Memory with Convolutional Neural Network," *IEEE Region 10 Symposium(TENSYMP)*, pp. 1307-1311, 2020.
- [2] C. Shaik, N. Penumaka, S. Abbireddy, V. Kumar and S. Aravindh, "Bi-LSTM and Conventional Classifiers for Email Spam Filtering," *Third International Conference on Artificial Intelligence and Smart Energy (ICAIS)*, pp. 1350-1355, 2023.
- [3] P. Bhuvaneshwari, A. N. Rao and Y. H. Robinson, "Spam review detection using self attention based CNN and bi-directional LSTM," *Multimedia Tools and Applications*, 2021.
- [4] P. Malhotra and S. Malik, "Spam Email Detection Using Machine Learning and Deep Learning Techniques," *SSRN Electronic Journal*, 2022.
- [5] P. Bahad, P. Saxena and R. & Kamal, "Fake News Detection using Bi-directional LSTM-Recurrent Neural Network," *Procedia Computer Science*, 2019.
- [6] Y. Liu, L. Wang, T. Shi and J. Li, "Detection of spam reviews through a hierarchical attention architecture with N-gram CNN and Bi-LSTM," *Information Systems*, 2022.
- [7] P. Bhuvaneshwari, A. Rao, Y. Robinson and M. Thippeswamy, "Sentiment analysis for user reviews using Bi-LSTM self-attention based CNN model," *Multimedia Tools and Applications*, 2022.
- [8] A. R. Merryton and M. Gethsiyal Augasta, "An Attribute-wise Attention model with Bi-LSTM for an efficient Fake News Detection," *Multimedia Tools and Applications*, 2023.
- [9] S. A. Shinde, R. R. Pawar, A. A. Jagtap, P. A. Tambewagh, P. U. Rajput, M. K. Mali and S. V. Mulik, "Deceptive opinion spam detection using bidirectional long short-term memory with capsule neural network," *Multimedia Tools and Applications*, 2023.
- [10] K. Iqbal, S. A. Khan, S. Anisa, A. Tasneem and N. Mohammad, "A Preliminary Study on Personalized Spam E-mail Filtering Using Bidirectional Encoder Representations from Transformers (BERT) and TensorFlow 2.0," *International Journal of Computing and Digital Systems*, 2021.
- [11] T. R. Group, "Statista," Number of e-mail users worldwide, 22 November 2022. [Online]. Available: <https://www.statista.com/statistics/255080/number-of-e-mail-users-worldwide/>. [Accessed 14 May 2024].
- [12] D. T. I. ITB, "Spam Dan Kiat Mengatasinya," 2022. [Online]. Available: <https://dti.itb.ac.id/spam-dan-kiat-mengatasinya/>.
- [13] Anishnama, "Understanding Bidirectional LSTM for Sequential Data Processing," Medium, 18 Mei 2023. [Online]. Available: <https://medium.com/@anishnama20/understanding-bidirectional-lstm-for-sequential-data-processing-b83d6283befc>.
- [14] R. Arthana, "Mengenai Accuracy, Precision, Recall dan Specificity serta yang diprioritaskan dalam Machine Learning," Medium, 5 April 2019. [Online]. Available: <https://rey1024.medium.com/mengenai-accuracy-precision-recall-dan-specificity-septa-yang-diprioritaskan-b79ff4d77de8>. [Accessed 17 Mei 2024].
- [15] Rina, "Memahami Confusion Matrix: Accuracy, Precision, Recall, Specificity, dan F1-Score untuk Evaluasi Model Klasifikasi," Medium, 12 Juni 2023. [Online]. Available: <https://esairina.medium.com/memahami-confusion-matrix-accuracy-precision-recall-specificity-dan-f1-score-610d4f0db7cf>. [Accessed 17 Mei 2024].
- [16] R. Siringoringo, Jamaludin, R. Perangin-angin, G. J. E. Harianja, G. Lumbantoruan and N. E. Purba, "MODEL BIDIRECTIONAL LSTM UNTUK PEMROSESAN SEKUENSIAL DATA TEKS SPAM," *Jurnal Manajemen Informatika & Komputerisasi Akuntansi*, 2023.
- [17] A. Karim, S. Azam, B. Shanmugam, K. Kannoorpatti and M. Alazab, "A Comprehensive Survey for Intelligent Spam Email Detection," *IEEE Access*, 2019.
- [18] S. Lotfi, "github," 27 February 2021. [Online]. Available: <https://github.com/sl-93/detecting-spam-in-emails/tree/main/dataset>.
- [19] M. A. Renhoran, J. M. Alibasa, H. H. Nuha and A. W. M. Bawono, "Development of a Monitoring and Guidance Android Application for Pregnant Women," *3rd International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA)*, pp. 34-38, 2023.
- [20] H. J. H. Sulistiyo, H. H. Nuha and G. R. Utomo, "Design and Implementation of Cloud Computing-Based API for Mobile Application Tookar," *2023 3rd International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA)*, pp. 490-495, 2023.
- [21] J. W. Wisesa, H. H. Nuha and G. R. Utomo, "Implementation of Network Security Using a Cloud Computing-Based Firewall on the PukulEnam Company Website," *2023 3rd International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA)2*, pp. 432-437, 2023.