

DAFTAR PUSTAKA

- [1] Undang-Undang Republik Indonesia No. 36 Tahun 2009, Tentang Kesehatan
- [2] Kementerian Kesehatan Republik Indonesia, "Profil Kesehatan Indonesia 2020," Kementerian Kesehatan Republik Indonesia, Jakarta, 2020.
- [3] Dinas Kesehatan Daerah Istimewa Yogyakarta, " Perbandingan Kecukupan Dokter, Dokter Gigi, Perawat Dan Bidan Di Puskesmas Lintas Provinsi," Dinas Kesehatan DIY, DI Yogyakarta, 2023
- [4] A. J. B. Kockx, "Development and Evaluation of a Diagnosis and Triage Healthcare Chatbot," Master's thesis, Universitas Utrecht, Utrecht, Belanda, 2021.
- [5] E. Alpaydin, "Machine learning," MIT Press, 2021
- [6] Y. LeCun, Y. Bengio, and G. Hinton, "Deep learning," in *Nature*, vol. 521, no. 7553, pp. 436-444, May 2015, doi: 10.1038/nature14539.
- [7] X. Li, H. Zhong, B. Zhang, and J. Zhang, "A general Chinese chatbot based on deep learning and its application for children with ASD," in *International Journal of Machine Learning and Computing*, vol. 10, no. 4, pp. 519-526, 2020.
- [8] A. Elcholiqi and A. Musdholifah, "Chatbot in Bahasa Indonesia using NLP to provide banking information," *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, vol. 14, no. 1, pp. 91-102, 2020.
- [9] C. S. Kulkarni, A. U. Bhavsar, S. R. Pingale, and S. S. Kumbhar, "BANK CHAT BOT – an intelligent assistant system using NLP and machine learning," *International Research Journal of Engineering and Technology*, vol. 4, no. 5, pp. 2374-2377, 2017.
- [10] G. Dzakwan and A. Purwarianti, "Comparative study of topology and feature variants for non-task-oriented chatbot using sequence to sequence learning," in *2018 5th International Conference on Advanced Informatics: Concept Theory and Applications (ICAICTA)*, August 2018, pp. 135-140.
- [11] V. Chandwani, S. Kumar, and P. K. Singh, "Long Short-Term Memory based Conversation Modelling," in *2020 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE)*, February 2020, pp. 105-109.



- [12] Y. D. Prabowo, H. L. H. S. Warnars, W. Budiharto, A. I. Kistijantoro, and Y. Heryadi, "LSTM and simple RNN comparison in the problem of sequence to sequence on conversation data using Bahasa Indonesia," in 2018 Indonesian Association for Pattern Recognition International Conference (INAPR), September 2018, pp. 51-56. IEEE.
- [13] A. Chowanda and A. D. Chowanda, "Recurrent neural network to deep learn conversation in Indonesian," *Procedia Computer Science*, vol. 116, pp. 579-586, 2017.
- [14] A. Chowanda and A. D. Chowanda, "Generative Indonesian conversation model using recurrent neural network with attention mechanism," *Procedia Computer Science*, vol. 135, pp. 433-440, 2018.
- [15] Y.W. Chandra and S. Suyanto, "Indonesian chatbot of university admission using a question answering system based on sequence-to-sequence model," *Procedia Computer Science*, vol. 157, pp. 367-374, 2019.
- [16] M. S. Mehrjardi, A. Trabelsi, and O. R. Zaiane, "Self-attentional models application in task-oriented dialogue generation systems," *arXiv preprint arXiv:1909.05246*, 2019.
- [17] K. Imamura and E. Sumita, "Recycling a pre-trained BERT encoder for neural machine translation," in *Proceedings of the 3rd Workshop on Neural Generation and Translation*, November 2019, pp. 23-31.
- [18] L. Bradesko and D. Mladenic, "A Survey of Chatbot Systems through a Loebner Prize Competition," vol.2, pp. 2-5, 2014.
- [19] S. A. Thorat dan V. Jadhav, "A Review on Implementation Issues of Rule-Based Chatbot Systems," *SSRN Journal*, 2020, doi: 10.2139/ssrn.3567047.
- [20] K. Palasundram, N. Mohd Sharef, K. A. Kasmiran, dan A. Azman, "Enhancements to Sequence-to-Sequence Based Natural Answer Generation Model," *IEEE Access*, vol. 8, pp. 45738-45752, 2020, doi: 10.1109/ACCESS.2020.2978557.
- [21] D. Dongbo, S. Miniaoui, L. Fen, S. A. Althubiti, and T. R. Alsenani, "Intelligent chatbot interaction system capable for sentimental analysis using hybrid machine learning algorithms," *Information Processing & Management*, vol. 60, no. 5, p. 103440, 2023.
- [22] K. Koesoemo, A. Setiawan, and I. Sugiarto, "Chatbot untuk Website Utama UK Petra dengan Hidden Markov Model dan k-Nearest Neighbor untuk Generate Jawaban," *Jurnal Infra*, vol. 9, no. 2, pp. 254-260, 2021.



- [23] M. Madani, H. Motameni, and H. Mohamadi, "Fake news detection using deep learning integrating feature extraction, natural language processing, and statistical descriptors," *Security and Privacy*, vol. 5, no. 6, p. e264, 2022.
- [24] S. Qaiser and R. Ali, "Text mining: use of TF-IDF to examine the relevance of words to documents," *International Journal of Computer Applications*, vol. 181, no. 1, pp. 25-29, 2018.
- [25] B. Wang, A. Wang, F. Chen, Y. Wang, and C. C. J. Kuo, "Evaluating word embedding models: Methods and experimental results," *APSIPA Transactions on Signal and Information Processing*, vol. 8, p. e19, 2019.
- [26] V. R. Kota and M. S. Devi, "Multichannel Approach for Sentiment Analysis Using Stack of Neural Network with Lexicon Based Padding and Attention Mechanism," *Applied Computer Systems*, vol. 28, no. 1, pp. 137-147, 2023.
- [27] Kafei Mo, "Hands-on NLP Deep Learning Model Preparation in TensorFlow 2.X," *Toward Data Science*, Aug 17, 2020. [Online]. Available: <https://towardsdatascience.com/hands-on-nlp-deep-learning-model-preparation-in-tensorflow-2-x-2e8c9f3c7633> [Accessed: July 2, 2023].
- [28] R. C. Staudemeyer dan E.R. Morris, "Understanding LSTM – a Tutorial into Long Short-Term Memory Recurrent Neural Network," arXiv: 1909.09586 [cs], Sep. 2019, Accessed: 21 Agustus 2023. [Online]. Available: <http://arxiv.org/abs/1909.09586>.
- [29] F. Anggara, "Implementasi Speech To Text Pada Pencarian Buku Berbasis Android," Doctoral dissertation, Universitas Islam Riau, 2021.
- [30] A. Setiawan, A. Hidayatno, and R. R. Isnanto, "Aplikasi Pengenalan Ucapan dengan Ekstraksi Mel-Frequency Cepstrum Coefficients (MFCC) Melalui Jaringan Syaraf Tiruan (JST) Learning Vector Quantization (LVQ) untuk Mengoperasikan Kursor Komputer," Doctoral dissertation, Diponegoro University, 2012.
- [31] A. S. M. Romli, "Manajemen Program dan Teknik Produksi Siaran Radio," Nuansa Cendekia, 2023.
- [32] J. Kaur, S. Baghla, and S. Kumar, "A review: Audio noise reduction and various techniques," *Int. J. of Advances in Sci. Engn. and Techn.*, vol. 3, no. 3, pp. 132-135, 2015.
- [33] J. Kaur, S. Baghla, and S. Kumar, "A review: Audio noise reduction and various techniques," *Int. J. of Advances in Sci. Engn. and Techn.*, vol. 3, no. 3, pp. 132-135, 2015.



- [34] J. Kaur, S. Baghla, and S. Kumar, "A review: Audio noise reduction and various techniques," *Int. J. of Advances in Sci. Engn. and Techn.*, vol. 3, no. 3, pp. 132-135, 2015.
- [35] K. R. Borisagar, R. M. Thanki, B. S. Sedani, K. R. Borisagar, R. M. Thanki, and B. S. Sedani, "Fourier transform, short-time Fourier transform, and wavelet transform," in *Speech enhancement techniques for digital hearing aids*, pp. 63-74, 2019.
- [36] K. R. Borisagar, R. M. Thanki, B. S. Sedani, K. R. Borisagar, R. M. Thanki, and B. S. Sedani, "Fourier transform, short-time Fourier transform, and wavelet transform," in *Speech enhancement techniques for digital hearing aids*, pp. 63-74, 2019.
- [37] "All Topics," European Centre for Disease Prevention and Control. [Online]. Available: <https://www.ecdc.europa.eu/en/all-topics>. [Accessed: 6 Agustus 2023].
- [38] Y. Arouri and M. Sayyafzadeh, 'An adaptive moment estimation framework for well placement optimization', *Comput. Geosci.*, vol. 26, no. 4, pp. 957–973, Aug. 2022, doi: 10.1007/s10596-022-10135-9.
- [39] X. Hu and R. Zhang, 'Text classification based on machine learning', in 2022 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA), Dalian, China: IEEE, Jun. 2022, pp. 911–916. doi: 10.1109/ICAICA54878.2022.9844556.
- [40] Uberi. "speech_recognition." https://github.com/Uberi/speech_recognition, 2023.

