REFERENCES

[1] S. Negash, P. Musa, D. Vogel, and S. Sahay, "Healthcare information technology for development: improvements in people's lives through innovations in the uses of technologies," 2018.

[2] M. Jovanović, M. Baez, and F. Casati, "Chatbots as conversational healthcare services," *IEEE Internet Computing*, vol. 25, no. 3, pp. 44–51, 2020.

[3] D. Effendi, S. Handayani, A. Nugroho, I. Ardani, Y. Fitrianti, K. Karlina, and C. Latifah, "The significance of physician-patient communication on telemedicine patients' health outcomes: Evidence from indonesia.," *Health communication*, pp. 1–10, 2023.

[4] M. Pandey, G. M. Maina, J. Amoyaw, Y. Li, R. Kamrul, C. Michaels, and R. Maroof, "Impacts of english language proficiency on healthcare access, use, and outcomes among immigrants: a qualitative study," *BMC Health Services Research*, vol. 21, 2021.

[5] D. Sowmya, K. Debbata, G. S. Vignesh, D. S. N. Sagar, A. R. Bavanthula, and L. Pallavi, "Emerging role of healthcare chatbots in improving medical assistance," *2023 3rd Asian Conference on Innovation in Technology (ASIANCON)*, pp. 1–6, 2023.

[6] L. Athota, V. K. Shukla, N. Pandey, and A. Rana, "Chatbot for healthcare system using artificial intelligence," in *2020 8th International conference on reliability, infocom technologies and optimization (trends and future directions)(ICRITO)*, pp. 619–622, IEEE, 2020.

[7] 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.

[8] G. H. Setiawan, I. M. B. Adnyana, *et al.*, "Improving helpdesk chatbot performance with term frequency-inverse document frequency (tf-idf) and cosine similarity models," *Journal of Applied Informatics and Computing*, vol. 7, no. 2, pp. 252–257, 2023.

[9] A. Tabassum and R. R. Patil, "A survey on text pre-processing & feature extraction techniques in natural language processing," *International Research Journal of Engineering and Technology (IRJET)*, vol. 7, no. 06, pp. 4864–4867, 2020.

[10] M. Muliyono, *Identifikasi Chatbot dalam Meningkatkan Pelayanan Online Menggunakan Metode Natural Language Processing*. PhD thesis, Universitas Putra Indonesia YPTK, 2021.

[11] L. A. Mullen, K. Benoit, O. Keyes, D. Selivanov, and J. Arnold, "Fast, consistent tokenization of natural language text," *Journal of Open Source Software*, vol. 3, no. 23, p. 655, 2018.

[12] S. Mulyatun, H. Utama, and A. Mustopa, "Pendekatan natural language processing pada aplikasi chatbot sebagai alat bantu customer service," *Journal of Information System Management (JOISM)*, vol. 2, no. 2, pp. 12–17, 2021.

[13] R. Pramana, J. J. Subroto, A. A. S. Gunawan, *et al.*, "Systematic literature review of stemming and lemmatization performance for sentence similarity," in *2022 IEEE 7th international conference on information technology and digital applications (ICITDA)*, pp. 1–6, IEEE, 2022.

[14] H. T. Y. Achsan, D. Kurniawan, D. G. Purnama, Q. K. D. Barcah, and Y. Y. Astoria, "Application of natural language processing using cosine-similarity algorithm in making chatbot information on the new capital city of the republic of indonesia," *2022 7th International Workshop on Big Data and Information Security (IWBIS)*, pp. 1–6, 2022.

[15] S. M. Suhaili, N. Salim, and M. N. Jambli, "Service chatbots: A systematic review," *Expert Syst. Appl.*, vol. 184, p. 115461, 2021.

[16] G. F. Avisyah, I. J. Putra, and S. Hidayat, "Open artificial intelligence analysis using chatgpt integrated with telegram bot," *Jurnal ELTIKOM*, 2023.