

DAFTAR PUSTAKA

- Adamopoulou, E., & Moussiades, L. (2020). An Overview of Chatbot Technology. In *IFIP Advances in Information and Communication Technology: Vol. 584 IFIP* (Issue June). Springer International Publishing. https://doi.org/10.1007/978-3-030-49186-4_31
- Alzubi, J. A., Jain, R., Singh, A., Parwekar, P., & Gupta, M. (2023). COBERT: COVID-19 Question Answering System Using BERT. *Arabian Journal for Science and Engineering*, 48(8), 11003–11013. <https://doi.org/10.1007/s13369-021-05810-5>
- Amin, F. M. (2022). Confusion Matrix in Binary Classification Problems: A Step-by-Step Tutorial. *Journal of Engineering Research*, 6(5).
- Andriansyah, D., & Eka Wulansari Fridayanthie. (2023). Optimization of Support Vector Machine and XGBoost Methods Using Feature Selection to Improve Classification Performance. *Journal of Informatics and Telecommunication Engineering*, 6(2), 484–493. <https://doi.org/10.31289/jite.v6i2.8373>
- Aurpa, T. T., Fariha, K. N., Hossain, K., Jeba, S. M., Ahmed, M. S., Adib, M. R. S., Islam, F., & Akter, F. (2024). Deep transformer-based architecture for the recognition of mathematical equations from real-world math problems. *Heliyon*, 10(20), e39089. <https://doi.org/10.1016/j.heliyon.2024.e39089>
- Ayanouz, S., Abdelhakim, B. A., & Benhmed, M. (2020). A Smart Chatbot Architecture based NLP and Machine Learning for Health Care Assistance. *ACM International Conference Proceeding Series*, April. <https://doi.org/10.1145/3386723.3387897>
- Babu, A., & Boddu, S. B. (2024). BERT-Based Medical Chatbot: Enhancing Healthcare Communication through Natural Language Understanding. *Exploratory Research in Clinical and Social Pharmacy*, 13(January), 100419. <https://doi.org/10.1016/j.rcsop.2024.100419>
- Bengio, Y., Lecun, Y., & Hinton, G. (2021). Deep learning for AI. *Communications of the ACM*, 64(7), 58–65. <https://doi.org/10.1145/3448250>
- Dharrao, D., & Gite, S. (2024). TherapyBot: a chatbot for mental well-being using transformers. *International Journal of Advances in Applied Sciences*, 13(1), 1–12. <https://doi.org/10.11591/ijaas.v13.i1.pp1-12>
- Fajar Ramadhan, D., Noertjahjono, S., & Dedy Irawan, J. (2020). Penerapan Chatbot Auto Reply Pada Whatsapp Sebagai Pusat Informasi Praktikum Menggunakan Artificial Intelligence Markup Language. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 4(1), 198–205. <https://doi.org/10.36040/jati.v4i1.2375>
- Guntoro, G., Loneli Costaner, & Lisnawita, L. (2020). Aplikasi Chatbot untuk Layanan Informasi dan Akademik Kampus Berbasis Artificial Intelligence Markup Language (AIML). *Digital Zone: Jurnal Teknologi Informasi Dan Komunikasi*, 11(2), 291–300. <https://doi.org/10.31849/digitalzone.v11i2.5049>
- Koroteev, M. V. (2021). BERT: A Review of Applications in Natural Language Processing and Understanding. <http://arxiv.org/abs/2103.11943>
- Mohana, M. (2024). *Natural Language Processing Presented by*. April. <https://doi.org/10.13140/RG.2.2.13534.04169>
- Mustakim, F., Fauziah, F., & Hayati, N. (2021). Algoritma Artificial Neural

- Network pada Text-based Chatbot Frequently Asked Question (FAQ) Web Kuliah Universitas Nasional. *Jurnal JTIK (Jurnal Teknologi Informasi Dan Komunikasi)*, 5(4), 438. <https://doi.org/10.35870/jtik.v5i4.261>
- Patil, C. S. (2022). NLP Assisted Text Annotation. *Interantional Journal of Scientific Research in Engineering and Management*, 06(06), 1–10. <https://doi.org/10.55041/ijsrem14651>
- Pokhrel, S. (2024). A Systematic Review of Chatbot Model and chatbot technologies. *Ayan*, 15(1), 37–48. https://www.iceesem.com/researchpaper/A_Systematic_Literature_Review_and_Existing_Challenges_of_Chatbot_Models.pdf
- Sarker, I. H. (2021). Deep Learning: A Comprehensive Overview on Techniques, Taxonomy, Applications and Research Directions. *SN Computer Science*, 2(6), 1–20. <https://doi.org/10.1007/s42979-021-00815-1>
- Shadiq, J., Safei, A., & Loly, R. W. R. (2021). Pengujian Aplikasi Peminjaman Kendaraan Operasional Kantor Menggunakan BlackBox Testing. *INFORMATION MANAGEMENT FOR EDUCATORS AND PROFESSIONALS: Journal of Information Management*, 5(2), 97. <https://doi.org/10.51211/imbi.v5i2.1561>
- Supriyono. (2020). Software Testing with the approach of Blackbox Testing on the Academic Information System. *International Journal of Information System & Technology*, 3(36), 227–235.
- Zhou, Q., Liu, C., Duan, Y., Sun, K., Li, Y., Kan, H., Gu, Z., Shu, J., & Hu, J. (2024). GastroBot: a Chinese gastrointestinal disease chatbot based on the retrieval-augmented generation. *Frontiers in Medicine*, 11(May). <https://doi.org/10.3389/fmed.2024.1392555>
- Zuraiyah, T. A., Utami, D. K., & Herlambang, D. (2019). Implementasi Chatbot Pada Pendaftaran Mahasiswa Baru Menggunakan Recurrent Neural Network. *Jurnal Ilmiah Teknologi Dan Rekayasa*, 24(2), 91–101. <https://doi.org/10.35760/tr.2019.v24i2.2388>