

DAFTAR PUSTAKA

- Adi, A. P. (2022). *Panduan Cepat Belajar HTML, PHP, & MySql*. Elex Media Komputindo.
- Akter, S. N., Yu, Z., Muhamed, A., Ou, T., Bäuerle, A., Cabrera, Á. A., ... & Neubig, G. (2023). *An in-depth look at gemini's language abilities*. *arXiv preprint arXiv:2312.11444*.
- Binarso, Y. A., & Sarwoko, E. A. (2012). *PEMBANGUNAN SISTEM INFORMASI ALUMNI BERBASIS WEB PADA PROGRAM STUDI TEKNIK INFORMATIKA UNIVERSITAS DIPONEGORO*. 1(1).
- Brown, T. B., Mann, B., Ryder, N., Subbiah, M., Kaplan, J., Dhariwal, P., Neelakantan, A., Shyam, P., Sastry, G., Askell, A., Agarwal, S., Herbert-Voss, A., Krueger, G., Henighan, T., Child, R., Ramesh, A., Ziegler, D. M., Wu, J., Winter, C., ... Amodei, D. (2020). *Language Models are Few-Shot Learners* (No. arXiv:2005.14165). arXiv. <https://doi.org/10.48550/arXiv.2005.14165>
- Cahyawati, A. F., & Hadiono, K. (2024). *IMPLEMENTASI CHATBOT UNTUK REKOMENDASI COFFEE SHOP DI KOTA SEMARANG*. 9(4).
- Caldarini, G., Jaf, S., & McGarry, K. (2022). A Literature Survey of Recent Advances in Chatbots. *Information*, 13(1), 41. <https://doi.org/10.3390/info13010041>
- Tong, L., Zhang, C., Liu, R., Yang, J., & Sun, Z. (2024). *Comparative performance analysis of large language models: ChatGPT-3.5, ChatGPT-4 and Google Gemini in glucocorticoid-induced osteoporosis*. *Journal of Orthopaedic Surgery and Research*, 19(1), 574.

- Du, S., Tao, Y., Shen, Y., Zhang, H., Shen, Y., Qiu, X., & Shi, C. (2025). *Zero-Shot End-to-End Relation Extraction in Chinese: A Comparative Study of Gemini, LLaMA and ChatGPT* (No. arXiv:2502.05694). arXiv. <https://doi.org/10.48550/arXiv.2502.05694>
- 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>
- Firdayanti, M. PERANCANGAN DAN IMPLEMENTASI REKAM MEDIS PASIEN POLI UMUM DI RUMAH SAKIT AISYIYAH MUHAMMADIYAH PADANG MENGGUNAKAN PHP.
- Furqan, M., Sriani, S., & Shidqi, M. N. (2023). *Chatbot* Telegram Menggunakan Natural Language Processing. *Walisongo Journal of Information Technology*, 5(1), 15–26. <https://doi.org/10.21580/wjit.2023.5.1.14793>
- 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>
- Hakim, M. R., & Baizal, A. (2022). *CHATBOT* FOR KNOWLEDGE – BASED MUSEUM RECOMMENDER SYSTEM (CASE STUDY: MUSEUM IN

- JAKARTA). *JIPi (Jurnal Ilmiah Penelitian Dan Pembelajaran Informatika)*, 7(2), 364–373. <https://doi.org/10.29100/jipi.v7i2.2738>
- Hikmah, A., Azmi, F., & Nugrahaeni, R. A. (2023). Implementasi Natural Language Processing Pada Chatbot Untuk Layanan Akademik. *eProceedings of Engineering*, 10(1).
- Krisnawati, L. D., Butar-Butar, B. E., & Virginia, G. (2018). Prototyping a Chatbot for Student Supervision in a Pre-Registration Process. *CommIT (Communication and Information Technology) Journal*, 12(2), 87. <https://doi.org/10.21512/commit.v12i2.4813>
- Maskur, M. (2016). PERANCANGAN CHATBOT PUSAT INFORMASI MAHASISWA MENGGUNAKAN AIML SEBAGAI VIRTUAL ASSISTANT BERBASIS WEB. *KINETIK*, 1(3), 123. <https://doi.org/10.22219/kinetik.v1i3.47>
- Mu'arif, S., & Saefurrohman, F. N. U. (2024). PERAWATAN DAN KONSULTASI PEMELIHARAAN BURUNG KENARI MENGGUNAKAN CHATBOT BERBASIS DIALOGFLOW. *JIPi (Jurnal Ilmiah Penelitian dan Pembelajaran Informatika)*, 9(3), 1237–1247. <https://doi.org/10.29100/jipi.v9i3.5296>
- Specification, O. A. (2007). *Omg unified modeling language (omg uml), superstructure, v2. 1.2. Object Management Group*, 70, 16.
- Mohammad-Rahimi, H., Ourang, S. A., Pourhoseingholi, M. A., Dianat, O., Dummer, P. M. H., & Nosrat, A. (2024). Validity and reliability of artificial intelligence chatbots as public sources of information on endodontics. *International Endodontic Journal*, 57(3), 305-314.

- Prasetyo, V. R., Benarkah, N., & Chrisintha, V. J. (2021). Implementasi Natural Language Processing Dalam Pembuatan *Chatbot* Pada Program Information Technology Universitas Surabaya. *Teknika*, 10(2), 114–121. <https://doi.org/10.34148/teknika.v10i2.370>
- Redd, M. V. (2014). *Semantical and Syntactical Analysis of NLP*. 5.
- Saputra, D. G., & Hadi, A. (2024). SISTEM INTEGRASI PEMBAYARAN SPP DI SEKOLAH MENGGUNAKAN MODEL NLP PADA TOKO RETAIL. *JIPi (Jurnal Ilmiah Penelitian dan Pembelajaran Informatika)*, 9(2), 1073–1084. <https://doi.org/10.29100/jipi.v9i2.5333>
- Shakhovska, N., Basystiuk, O., & Shakhovska, K. (2019, May). Development of the Speech-to-Text *Chatbot* Interface Based on Google API. In *MoMLeT* (pp. 212-221).
- Sallam, M., Al-Mahzoum, K., Almutawaa, R. A., Alhashash, J. A., Dashti, R. A., AlSafy, D. R., ... & Barakat, M. (2024). The performance of OpenAI ChatGPT-4 and Google Gemini in virology multiple-choice questions: a comparative analysis of English and Arabic responses. *BMC Research Notes*, 17(1), 247.
- Team, G., Georgiev, P., Lei, V. I., Burnell, R., Bai, L., Gulati, A., ... & Batsaikhan, B. O. (2024). Gemini 1.5: Unlocking multimodal understanding across millions of tokens of context. *arXiv preprint arXiv:2403.05530*.
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, L., & Polosukhin, I. (2023). *Attention Is All You Need* (No. arXiv:1706.03762). arXiv. <https://doi.org/10.48550/arXiv.1706.03762>

- Wang, J., Liu, Z., Zhao, L., Wu, Z., Ma, C., Yu, S., Dai, H., Yang, Q., Liu, Y., Zhang, S., Shi, E., Pan, Y., Zhang, T., Zhu, D., Li, X., Jiang, X., Ge, B., Yuan, Y., Shen, D., ... Zhang, S. (2023). Review of large vision models and visual prompt engineering. *Meta-Radiology*, 1(3), 100047. <https://doi.org/10.1016/j.metrad.2023.100047>
- Wang, J., Shi, E., Yu, S., Wu, Z., Ma, C., Dai, H., Yang, Q., Kang, Y., Wu, J., Hu, H., Yue, C., Zhang, H., Liu, Y., Pan, Y., Liu, Z., Sun, L., Li, X., Ge, B., Jiang, X., ... Zhang, S. (2024). *Prompt Engineering for Healthcare: Methodologies and Applications* (No. arXiv:2304.14670). arXiv. <https://doi.org/10.48550/arXiv.2304.14670>
- Wei, W., Na, L., Lei, Z., Fang, L., Hao, C., Xiuying, Y., Lei, H., Min, Z., Gang, W., Jie, Z., Jing, X., Tao, S., Li, M., Qiang, Z., Jun, H., Wei, G., Yong, H., Yuan, G., Dan, L., ... Li, S. (2025). *An Extensive Study on Text Serialization Formats and Methods* (No. arXiv:2505.13478). arXiv. <https://doi.org/10.48550/arXiv.2505.13478>
- Wicaksono, A., Al Anshary, F. M., & Fauzi, R. (2023). Perancangan backend pada website Helpmeong menggunakan framework Laravel dengan metode Scrum. *eProceedings of Engineering*, 10(3).
- 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>