DAFTAR PUSTAKA

[1] E. Seun, G. Babajide, F. Taye, A. Aderonke, and B. Olabode, "Impact of Information Systems on Operational Efficiency: A Comprehensive Analysis," *Indian J. Comput. Sci. Eng.*, vol. 14, no. 4, pp. 661–673, Aug. 2023, doi: 10.21817/indjcse/2023/v14i4/231404013.

[2] B. Ramadan, H. Nassereddine, T. R. B. Taylor, and P. Goodrum, "Impact of technology use on workforce performance and information access in the construction industry," *Front. Built Environ.*, vol. 9, 2023, [Online]. Available: https://www.frontiersin.org/journals/built-environment/articles/10.3389/fbuil.2023.1079203

[3] M. Espinosa, H. Kim, and S. Prada, "Real-time Information and Organizational Performance".

[4] A. Malik, "The Impact of Technology on Organizational Effectiveness: An Empirical Study of Leading Oraganizations," *journalofcardiovasculardiseaseresearch*, vol. 12, no. 05, Jun. 2023, doi: 10.48047/jcdr.2021.12.05.319.

[5] A. L. Curry and N. J. Stroud, "The effects of journalistic transparency on credibility assessments and engagement intentions," *Journalism*, vol. 22, no. 4, pp. 901–918, Apr. 2021, doi: 10.1177/1464884919850387.

[6] T. D. Le, A. R. Dobele, and L. J. Robinson, "Information sought by prospective students from social media electronic word-of-mouth during the university choice process," *J. High. Educ. Policy Manag.*, vol. 41, no. 1, pp. 18–34, Jan. 2019, doi: 10.1080/1360080X.2018.1538595.

[7] G. Connie, A. R. bin S. Senathirajah, P. Subramanian, R. Ranom, and Z. Osman, "Factors Influencing Students' Choice Of An Institution Of Higher Education," *J. Posit. Sch. Psychol.*, pp. 10015–10043, Jun. 2022.

[8] A. Kusumawati, "Students' perceptions of choice criteria in the selection of an Indonesian public university," thesis, University of Wollongong, 2024. Accessed: May 21, 2025. [Online]. Available: https://ro.uow.edu.au/articles/thesis/Students_perceptions_of_choice_criteria_in_the_selection_of_an_Indonesian_public_university/27660195/1

[9] P. Indonesia, *Undang-Undang Nomor 14 Tahun 2008 tentang Keterbukaan Informasi Publik*. 2008.

[10] Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi, *Peraturan Menteri Pendidikan, Kebudayaan, Riset, dan Teknologi Nomor 53 Tahun 2023 tentang Penjaminan Mutu Pendidikan Tinggi*. 2023.

[11] "Kampus Belanegara," UPN "Veteran" Jawa Timur. Accessed: Jan. 15, 2025. [Online]. Available: https://www.upnjatim.ac.id/kampus-belanegara/

[12] "Pusat Penerimaan Mahasiswa Baru – Pusat Penerimaan Mahasiswa Baru." Accessed: May 19, 2025. [Online]. Available: https://ppmb.upnjatim.ac.id/

[13] "Beranda," UPN "Veteran" Jawa Timur. Accessed: Jan. 15, 2025. [Online]. Available: https://www.upnjatim.ac.id/

[14] "UPN 'Veteran' Jawa Timur (@upnveteranjawatimur) • Instagram photos and videos." Accessed: May 19, 2025. [Online]. Available: https://www.instagram.com/upnveteranjawatimur/

[15] “Profil PPID,” PPID. Accessed: Jan. 15, 2025. [Online]. Available: https://ppid.upnjatim.ac.id/profil/
[16] “Jumlah Pegawai,” Sistem Informasi Eksekutif UPN “Veteran” Jawa Timur. Accessed: Jan. 15, 2025. [Online]. Available: https://sie.upnjatim.ac.id/kepegawaian
[17] “Jadwal Helpdesk,” PPID. Accessed: Jan. 15, 2025. [Online]. Available: https://ppid.upnjatim.ac.id/jadwal-helpdesk/
[18] P. Cimiano, C. Unger, and J. McCrae, *Ontology-based interpretation of natural language*. in Synthesis Lectures on Human Language Technologies, no. 24. Cham: Springer International Publishing AG, 2014.
[19] O. Campesato, *Large Language Models: An Introduction*. Walter de Gruyter GmbH & Co KG, 2024.
[20] T. B. Brown *et al.*, “Language Models are Few-Shot Learners,” Jul. 22, 2020, *arXiv*: arXiv:2005.14165. doi: 10.48550/arXiv.2005.14165.
[21] P. Lewis *et al.*, “Retrieval-Augmented Generation for Knowledge-Intensive NLP Tasks,” in *Advances in Neural Information Processing Systems*, Curran Associates, Inc., 2020, pp. 9459–9474. Accessed: Jan. 15, 2025. [Online]. Available: https://proceedings.neurips.cc/paper_files/paper/2020/hash/6b493230205f780e1bc26945df7481e5-Abstract.html
[22] K. Guu, K. Lee, Z. Tung, P. Pasupat, and M.-W. Chang, “REALM: Retrieval-Augmented Language Model Pre-Training,” Feb. 10, 2020, *arXiv*: arXiv:2002.08909. doi: 10.48550/arXiv.2002.08909.
[23] K. Shuster, S. Poff, M. Chen, D. Kiela, and J. Weston, “Retrieval Augmentation Reduces Hallucination in Conversation,” Apr. 15, 2021, *arXiv*: arXiv:2104.07567. doi: 10.48550/arXiv.2104.07567.
[24] G. Izacard and E. Grave, “Leveraging Passage Retrieval with Generative Models for Open Domain Question Answering,” Feb. 03, 2021, *arXiv*: arXiv:2007.01282. doi: 10.48550/arXiv.2007.01282.
[25] “Learning to reason with LLMs | OpenAI.” Accessed: May 18, 2025. [Online]. Available: https://openai.com/index/learning-to-reason-with-llms/
[26] I. Pujiono, I. M. Agtyaputra, and Y. Ruldeviyani, “Implementing Retrieval-Augmented Generation and Vector Databases for Chatbots in Public Services Agencies Context,” *JITK J. Ilmu Pengetah. Dan Teknol. Komput.*, vol. 10, no. 1, Art. no. 1, Aug. 2024, doi: 10.33480/jitk.v10i1.5572.
[27] M. R. Anam, A. S. Akbar, and H. Saputro, “QnA Chatbot with Mistral 7B and RAG method: Traffic Law Case Study,” *Lontar Komput. J. Ilm. Teknol. Inf.*, vol. 15, no. 03, Art. no. 03, Jan. 2025, doi: 10.24843/LKJITI.2024.v15.i03.p06.
[28] H. Tohir, N. Merlina, and M. Haris, “Utilizing Retrieval-Augmented Generation in Large Language Models to Enhance Indonesian Language NLP,” *JITK J. Ilmu Pengetah. Dan Teknol. Komput.*, vol. 10, no. 2, Art. no. 2, Nov. 2024, doi: 10.33480/jitk.v10i2.5916.
[29] D. Firdaus, I. Sumardi, and Y. Kulsum, “Integrating Retrieval-Augmented Generation with Large Language Model Mistral 7b for Indonesian Medical Herb,” *JISKA J. Inform. Sunan Kalijaga*, vol. 9, no. 3, Art. no. 3, Sep. 2024, doi: 10.14421/jiska.2024.9.3.230-243.
[30] A. A. Alim and M. Indriasari, “Retrieval-Augmented Generation (RAG)

pada Chatbot WhatsApp untuk Layanan Informasi Akademik Institut Teknologi Indonesia," *Technopex 2025*, vol. 9, no. 1, pp. 866–872, 2025.
[31] R. / NORVIG, *Artificial Intelligence: A Modern Approach, Global Edition*, 3rd edition. Boston: Pearson, 2014.
[32] J. Eisenstein, *Introduction to Natural Language Processing*. MIT Press, 2019.
[33] D. Jurafsky and J. H. Martin, *Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition with Language Models*, 3rd ed. 2025. [Online]. Available: https://web.stanford.edu/~jurafsky/slp3/
[34] E. Cambria and B. White, "Jumping NLP Curves: A Review of Natural Language Processing Research [Review Article]," *IEEE Comput. Intell. Mag.*, vol. 9, no. 2, pp. 48–57, May 2014, doi: 10.1109/MCI.2014.2307227.
[35] M. Besta *et al.*, "Reasoning Language Models: A Blueprint," Jun. 11, 2025, *arXiv*: arXiv:2501.11223. doi: 10.48550/arXiv.2501.11223.
[36] "Gemini 2.0 is now available to everyone," Google. Accessed: May 18, 2025. [Online]. Available: https://blog.google/technology/google-deepmind/gemini-model-updates-february-2025/
[37] DeepSeek-AI *et al.*, "DeepSeek-R1: Incentivizing Reasoning Capability in LLMs via Reinforcement Learning," Jan. 22, 2025, *arXiv*: arXiv:2501.12948. doi: 10.48550/arXiv.2501.12948.
[38] B. F. Green, A. K. Wolf, C. Chomsky, and K. Laughery, "Baseball: an automatic question-answerer," in *Papers presented at the May 9-11, 1961, western joint IRE-AIEE-ACM computer conference on - IRE-AIEE-ACM '61 (Western)*, Los Angeles, California: ACM Press, 1961, p. 219. doi: 10.1145/1460690.1460714.
[39] J. Weizenbaum, "ELIZA—a computer program for the study of natural language communication between man and machine," *Commun. ACM*, vol. 9, no. 1, pp. 36–45, Jan. 1966, doi: 10.1145/365153.365168.
[40] C. Xtracts, *NLP Natural Language Processing- A Complete Overciew*. by Mocktime Publication, 2023.
[41] "The ELI5 Guide to Retrieval Augmented Generation | Lakera – Protecting AI teams that disrupt the world." Accessed: Sep. 18, 2025. [Online]. Available: https://www.lakera.ai/blog/retrieval-augmented-generation
[42] M. McTear and M. Ashurkina, *Transforming Conversational AI: Exploring the Power of Large Language Models in Interactive Conversational Agents*. Springer Nature, 2024.
[43] L. Khandelwal and S. Das, *Applied Deep Learning on Graphs*. Packt Publishing Ltd, 2024.
[44] "Text splitters | 🦜🔗 LangChain." Accessed: May 21, 2025. [Online]. Available: https://python.langchain.com/docs/concepts/text_splitters/
[45] "How to split Markdown by Headers | 🦜🔗 LangChain." Accessed: May 21, 2025. [Online]. Available: https://python.langchain.com/docs/how_to/markdown_header_metadata_splitter/
[46] "Embeddings APIs overview | Generative AI on Vertex AI," Google

Cloud. Accessed: Sep. 17, 2025. [Online]. Available: https://cloud.google.com/vertex-ai/generative-ai/docs/embeddings
[47] "Vector embeddings - OpenAI API." Accessed: Sep. 17, 2025. [Online]. Available: https://platform.openai.com/docs/guides/embeddings
[48] Y. Gao *et al.*, "Retrieval-Augmented Generation for Large Language Models: A Survey," Mar. 27, 2024, *arXiv*: arXiv:2312.10997. doi: 10.48550/arXiv.2312.10997.
[49] C.-M. Chan *et al.*, "RQ-RAG: Learning to Refine Queries for Retrieval Augmented Generation," Mar. 31, 2024, *arXiv*: arXiv:2404.00610. doi: 10.48550/arXiv.2404.00610.
[50] C. Manning, P. Raghavan, and H. Schuetze, "Introduction to Information Retrieval," 2009.
[51] R. Baeza-Yates and B. Ribeiro-Neto, *Modern Information Retrieval: The Concepts and Technology Behind Search*. Addison Wesley, 2011.
[52] S. Lemeš, "Prompt Engineering," in *Artificial Intelligence in Industry 4.0: The future that comes true*, Academy of Sciences and Arts of Bosnia and Herzegovina, Sep. 2024, pp. 159–170. doi: 10.5644/PI2024.215.08.
[53] J. Wei *et al.*, "Chain-of-Thought Prompting Elicits Reasoning in Large Language Models," Jan. 10, 2023, *arXiv*: arXiv:2201.11903. doi: 10.48550/arXiv.2201.11903.
[54] E. Reiter and R. Dale, *Building natural language generation systems*. in Studies in natural language processing. Cambridge: Cambridge University Press, 2000. doi: 10.1017/CBO9780511519857.
[55] C. Dong *et al.*, "A Survey of Natural Language Generation," *ACM Comput. Surv.*, vol. 55, no. 8, pp. 1–38, Aug. 2023, doi: 10.1145/3554727.
[56] "Google Colab." Accessed: May 17, 2025. [Online]. Available: https://research.google.com/colaboratory/faq.html
[57] "Welcome to Python.org," Python.org. Accessed: Jan. 24, 2025. [Online]. Available: https://www.python.org/about/
[58] W. McKinney, *Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython*. O'Reilly Media, Incorporated, 2017.
[59] "Introduction | 🦜🔗 LangChain." Accessed: Jan. 24, 2025. [Online]. Available: https://python.langchain.com/docs/introduction/
[60] "Chroma." Accessed: Jan. 24, 2025. [Online]. Available: https://www.trychroma.com/
[61] "Chroma | 🦜🔗 LangChain." Accessed: Sep. 30, 2025. [Online]. Available: https://python.langchain.com/docs/integrations/vectorstores/chroma/
[62] "List of available metrics - Ragas." Accessed: Feb. 04, 2025. [Online]. Available: https://docs.ragas.io/en/stable/concepts/metrics/available_metrics/
[63] "Faithfulness - Ragas." Accessed: May 19, 2025. [Online]. Available: https://docs.ragas.io/en/stable/concepts/metrics/available_metrics/faithfulness/
[64] "Factual Correctness - Ragas." Accessed: Sep. 16, 2025. [Online]. Available: https://docs.ragas.io/en/v0.2.0/concepts/metrics/available_metrics/factual_correctness/#factual-correctness
[65] "Semantic Similarity - Ragas." Accessed: May 19, 2025. [Online]. Available:

https://docs.ragas.io/en/stable/concepts/metrics/available_metrics/semantic_similarity/
[66] G. Team, “Quickstart.” Accessed: Sep. 17, 2025. [Online]. Available: https://www.gradio.app/guides/quickstart
[67] A. Abid, A. Abdalla, A. Abid, D. Khan, A. Alfozan, and J. Zou, “Gradio: Hassle-Free Sharing and Testing of ML Models in the Wild,” Jun. 06, 2019, *arXiv*: arXiv:1906.02569. doi: 10.48550/arXiv.1906.02569.
[68] Donghun Shin, Xigui Li, H. Li, Shaojie Shi, Kaitao Chen, and Daocheng Fu, “Prompt Engineering and Format on LLMs in the Financial Domain,” 2024, doi: 10.13140/RG.2.2.17057.11365.
[69] “Text Embeddings,” Voyage AI. Accessed: May 21, 2025. [Online]. Available: https://docs.voyageai.com/docs/embeddings
[70] K. Enevoldsen *et al.*, “MMTEB: Massive Multilingual Text Embedding Benchmark,” Apr. 08, 2025, *arXiv*: arXiv:2502.13595. doi: 10.48550/arXiv.2502.13595.
[71] W.-L. Chiang *et al.*, “Chatbot Arena: An Open Platform for Evaluating LLMs by Human Preference,” Mar. 07, 2024, *arXiv*: arXiv:2403.04132. doi: 10.48550/arXiv.2403.04132.
[72] L. Zheng *et al.*, “Judging LLM-as-a-Judge with MT-Bench and Chatbot Arena,” Dec. 24, 2023, *arXiv*: arXiv:2306.05685. doi: 10.48550/arXiv.2306.05685.