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DAFTAR PUSTAKA

[1] P. Lewis *dkk.*, "Retrieval-Augmented Generation for Knowledge-Intensive NLP Tasks," 12 April 2021, *arXiv*: arXiv:2005.11401. doi: 10.48550/arXiv.2005.11401.

[2] K. Santhanam, O. Khattab, J. Saad-Falcon, C. Potts, dan M. Zaharia, "ColBERTv2: Effective and Efficient Retrieval via Lightweight Late Interaction," dalam *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, M. Carpuat, M.-C. de Marneffe, dan I. V. Meza Ruiz, Ed., Seattle, United States: Association for Computational Linguistics, Jul 2022, hlm. 3715–3734. doi: 10.18653/v1/2022.naacl-main.272.

[3] B. B. İrican, M. Sivri, V. Kokach, B. Kocaçınar, dan F. P. Akbulutl, "QBot: Domain-Specific Chatbots with Retrieval-Augmented Generation and Vector Embedding for Complex Documentation Queries," dalam *2024 Innovations in Intelligent Systems and Applications Conference (ASYU)*, Ankara, Turkiye: IEEE, Okt 2024, hlm. 1–6. doi: 10.1109/ASYU62119.2024.10757125.

[4] W. M. A. Dayata dan S. Y. C. Yap, "Carolinian Chatbot: End-to-End Question-Answer Pipeline on the University of San Carlos Policies, Procedures, and Guidelines Via Retrieval Augmented Generation," dalam *2024 IEEE International Conference on Communication, Networks and Satellite (COMNETSAT)*, Mataram, Indonesia: IEEE, Nov 2024, hlm. 130–137. doi: 10.1109/COMNETSAT63286.2024.10862750.

[5] M. Maryamah, M. M. Irfani, E. B. Tri Raharjo, N. A. Rahmi, M. Ghani, dan I. K. Raharjana, "Chatbots in Academia: A Retrieval-Augmented Generation Approach for Improved Efficient Information Access," dalam *2024 16th International Conference on Knowledge and Smart Technology (KST)*, Krabi, Thailand: IEEE, Feb 2024, hlm. 259–264. doi: 10.1109/KST61284.2024.10499652.

[6] S. Sharma *dkk.*, "Retrieval Augmented Generation for Domain-specific Question Answering," 29 Mei 2024, *arXiv*: arXiv:2404.14760. doi: 10.48550/arXiv.2404.14760.

[7] Y. Pu, Z. He, T. Qiu, H. Wu, dan B. Yu, "Customized Retrieval Augmented Generation and Benchmarking for EDA Tool Documentation QA," 26 Juli 2024, *arXiv*: arXiv:2407.15353. doi: 10.48550/arXiv.2407.15353.

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

[8] S. Wu *dkk.*, "Retrieval-Augmented Generation for Natural Language Processing: A Survey," 19 Mei 2026, *arXiv*: arXiv:2407.13193. doi: 10.48550/arXiv.2407.13193.

[9] S. Pokhrel, B. K. C., dan P. B. Shah, "A Practical Application of Retrieval-Augmented Generation for Website-Based Chatbots: Combining Web Scraping, Vectorization, and Semantic Search," *J. Trends Comput. Sci. Smart Technol.*, vol. 6, no. 4, hlm. 424–442, Jan 2025, doi: 10.36548/jtcsst.2024.4.007.

[10] M. Vještica *dkk.*, "Evaluation of User Experience with RAG-based Chatbots for Searching Documentation: Industrial Case Study," dipresentasikan pada 33rd International Conference on Information Systems Development, Belgrade, Serbia, Nov 2025. doi: 10.62036/ISD.2025.49.

[11] "Introduction," Dify Docs. Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs.dify.ai/en/use-dify/getting-started/introduction

[12] "Knowledge," Dify Docs. Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs.dify.ai/en/use-dify/knowledge/readme

[13] "Weaviate Database | Weaviate Documentation." Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs.weaviate.io/weaviate

[14] "Docker Compose," Docker Documentation. Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs.docker.com/compose/

[15] "NGINX Reverse Proxy | NGINX Documentation." Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs.nginx.com/nginx/admin-guide/web-server/reverse-proxy/

[16] "REST API endpoints for Git trees," GitHub Docs. Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://docs-internal.github.com/_next/data/EezZfUL_aTWBtVD36hwXA/en/free-pro-team%40latest/rest/git/trees.json?apiVersion=2026-03-10&versionId=free-pro-team%40latest&category=git&subcategory=trees

[17] "crontab(5) - Linux manual page." Diakses: 17 Juni 2026. [Daring]. Tersedia pada: https://man7.org/linux/man-pages/man5/crontab.5.html

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[18] M. S. Rumetna, "Pemanfaatan Cloud Computing pada Dunia Bisnis: Studi Literatur," *J. Teknol. Inf. Dan Ilmu Komput.*, vol. 5, no. 3, hlm. 305–314, Agu 2018, doi: 10.25126/jtiik.201853595.