

DAFTAR PUSTAKA

- Alessandria, S. (2023). Flutter Cookbook: 100+ step-by-step recipes for building cross-platform, professional-grade apps with Flutter 3.10.x and Dart 3.x, second edition (2nd ed). Packt Publishing. https://books.google.co.id/books?id=gcnAEAAQBAJ&newbks=1&newbks_redir=0&dq=Flutter+Cookbook:+100%2Bstep-by-step+recipes+for+building+cross-platform,+professional-grade+apps+with+Flutter+3.10.x+and+Dart+3.x,+second+edition&source=gbs_navlinks_s
- Ali, U., Ismail, M. A., Ariyaluran Habeeb, R. A., & Ali Shah, S. R. (2024). Performance Evaluation of YOLO Models in Plant Disease Detection. *Journal of Informatics and Web Engineering*, 3(2), 199–211. <https://doi.org/10.33093/jiwe.2024.3.2.15>
- Aziza, R. F. A., Nurmasani, A., & Azizah, M. (2024). Teori dan Praktik Desain UI/UX: Studi Kasus Implementasi dengan Metode Design Thinking. Penerbit Andi. https://books.google.co.id/books?id=XOArEQAAQBAJ&newbks=1&newbks_redir=0&dq=single+ease+question&source=gbs_navlinks_s
- Baijuri, A., Irmawati, I., Tresnawati, S., Permana, A. A., Ariati, N., Ekawati, N., Anggreini, N. L., Dhamayanti, Ernawati, T., Abdurrohman, & Istiono, W. (2023). Analisis Sistem Informasi. CV. Gita Lentera. https://books.google.co.id/books?id=_fznEAAQBAJ&newbks=1&newbks_redir=0&dq=fungsional+dan+non+fungsional+requirement&source=gbs_navlinks_s
- Bandopadhyay, D., Ghosh, R., Chatterjee, R., Das, N., & Sadhukhan, B. (2023). Speech Recognition and Neural Networks based Talking Health Care Bot (THCB): Medibot. 399–404. <https://doi.org/10.1109/ICCMC56507.2023.10084191>
- Bhangdia, Y., Bhansali, R., Chaudhari, N., Chandnani, D., & Dhore, M. L. (2021). Speech emotion recognition and sentiment analysis based therapist bot. 96–101. <https://doi.org/10.1109/ICIRCA51532.2021.9544671>

- Bhardwaj, T., Deshpande, P., Murke, T., Deshpande, S., & Deshpande, K. (2021). Farmer-Assistive Chatbot in Indian Context Using Learning Techniques. Dalam Security Issues and Privacy Threats in Smart Ubiquitous Computing (Vol. 341, hlm. 239–246). Springer Nature Link. https://link.springer.com/chapter/10.1007/978-981-33-4996-4_16
- Binoy, J., Thomas, A., & Muralidharan, A. (2023). A Dialog flow Chatbot for Farmer Producer Organizations: Enhancing Agricultural Decision-Making. https://www.researchgate.net/publication/375925882_A_Dialog_flow_Ch_atbot_for_Farmer_Producer_Organizations_Enhancing_Agricultural_Deci_sion-_Making
- BPS, B. P. S. (2024). Sebaran Tenaga Kerja Berdasarkan Sektor Pekerjaan (Jiwa) [Dataset]. <https://www.bps.go.id/id/statistics-table/1/OTcwIzE=/penduduk-15-tahun-ke-atas-yang-bekerja-menurut-lapangan-pekerjaan-utama-1986---2024.html>
- Cheng, V. C.-W., Lau, V. K.-T., Lam, R. W.-K., Zhan, T.-J., & Chan, P.-K. (2020). Improving English Phoneme Pronunciation with Automatic Speech Recognition Using Voice Chatbot. 88–99. https://doi.org/10.1007/978-981-33-4594-2_8
- Choudrie, J., Mahalle, P. N., Perumal, T., & Joshi, A. (Ed.). (2024). ICT for intelligent systems. Volume 6. International Conference on Information and Communication Technology for Intelligent Systems, Singapore. Springer.
- Cybellium. (2023). Mastering Back-end development. Cybellium Ltd. https://www.google.co.id/books/edition/Mastering_Back_end_developme nt/y7bnEAAQBAJ?hl=en&gbpv=1&dq=backend&pg=PA275&printsec=frontcover
- Darapaneni, N., Raj, S., V, R., Sivaraman, V., Mohan, S., & Paduri, A. R. (2022). LSTM-RASA Based Agri Farm Assistant for Farmers (No. arXiv:2204.09717). arXiv. <https://doi.org/10.48550/arXiv.2204.09717>
- Dawis, A. M., Putra, Y. W. S., Fitria, F., Hamidin, D., Yutia, S. N., Maniah, M., Feta, N. R., Rahma, D. W., & Natsir, F. (2024). Rekayasa Perangkat Lunak Panduan Praktis Untuk Pengembangan Aplikasi Berkualitas. Penerbit Widina Media Utama.

- https://books.google.co.id/books?id=ttnVEAAAQBAJ&newbks=1&newbks_redir=0&dq=metode+pengujian+software&source=gbs_navlinks_s
- DeepSeek-AI, Liu, A., Feng, B., Xue, B., Wang, B., Wu, B., Lu, C., Zhao, C., Deng, C., Zhang, C., Ruan, C., Dai, D., Guo, D., Yang, D., Chen, D., Ji, D., Li, E., Lin, F., Dai, F., ... Pan, Z. (2025). DeepSeek-V3 Technical Report (No. arXiv:2412.19437). arXiv. <https://doi.org/10.48550/arXiv.2412.19437>
- Dennis, A., Wixom, B. H., & Tegarden, D. (2015). *Systems Analysis & Design: An Object-Oriented Approach with UML* (5 ed.). WILEY.
- Eiry, E. M., Baharum, A., Tanalol, S. H., Deris, F. D., & Noor, N. A. M. (2021). Chatbot: Virtual Counsellor Using Speech Emotion Recognition System. MNMF. https://www.academia.edu/102933933/Chatbot_Virtual_Counsellor_Using_Speech_Emotion_Recognition_System
- Febriati, M. N., & Prajawinanti, A. (2023). Analisis Pemenuhan Kebutuhan Informasi Petani Melon di Desa Mojorejo Kecamatan Wates Kabupaten Blitar untuk Meningkatkan Produktivitas Hasil Pertanian. *BIBLIOTIKA: Jurnal Kajian Perpustakaan dan Informasi*, 7(2), 131–140. <https://doi.org/10.17977/um008v7i22023p131-140>
- J, S., S, S., R, C. S., G, V., & D, B. (2021). Doctor Chatbot – Smart Health Prediction. *International Journal of Scientific Research in Science and Technology*, 751–756. <https://doi.org/10.32628/IJSRST2183172>
- Joshi, D. (2023). *Building Cross-Platform Apps with Flutter and Dart: Build Scalable Apps for Android, iOS, and Web from a Single Codebase* (1st ed). BPB Publications.
- Karamitsou, T., Seventekidis, D., Karapiperis, C., Banti, K., Karampelias, I., Kyriakidis, T., & Louta, M. (2022). Open weather data evaluation for crop irrigation prediction mechanisms in the AUGIAS project. 2022 7th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM), 1–4. <https://doi.org/10.1109/SEEDA-CECNSM57760.2022.9932913>

- Kaviya, P., Bhavyashree, M., Krishnan, M. D., & Sugacini, M. (2021). Artificial Intelligence Based Farmer Assistant Chatbot. *IJRESM*, 4(4).
<https://journal.ijresm.com/index.php/ijresm/article/view/631/603>
- Kendall, K. E., & Kendall, J. E. (2020). *Systems analysis and design* (Tenth edition, global edition). Pearson.
- Kharis, S. A. A., Zili, A. H. A., Putri, A., & Robiansyah, A. (2023). Analisis Tren Minat Masyarakat Indonesia Terhadap Artificial Intelligence Dalam Menyongsong Society 5.0: Studi Menggunakan Google Trends. *G-Tech : Jurnal Teknologi Terapan*, 7(4), 1345–1354.
- Khin, N. N., & Soe, K. M. (2020). University Chatbot using Artificial Intelligence Markup Language. 1–5. <https://doi.org/10.1109/ICCA49400.2020.9022814>
- Khoirunisa, R., Apriliyanto, E., A, A. S. S., & Kusriani. (2020). Penggunaan Natural Language Processing Pada Chatbot Untuk Media Informasi Pertanian. *IJAI (Indonesian Journal of Applied Informatics)*, 4(2), 55–63.
- Krishnam, N. P., Bora, A., Swathi, R. S. V. R., Gehlot, A., Talwar, S., & Raghu, T. (2023). AI-Based advanced Talk-chatbot for Implementation. 1808–1814.
<https://doi.org/10.1109/ICACITE57410.2023.10182611>
- Kumari, S., Naikwadi, Z., Akole, A., & Darshankar, P. (2020). Enhancing College Chat Bot Assistant with the Help of Richer Human Computer Interaction and Speech Recognition. 427–433.
<https://doi.org/10.1109/ICESC48915.2020.9155951>
- Kusyono, A. Z. A., Adi, T. N., & Thohiroh, E. L. (2024). Pengembangan Website Edukasi Kesehatan Balita dengan Menggunakan Metode Iterative Incremental. *KLIK*, 5(1), 263–274. <https://doi.org/10.30865/klik.v5i1.1962>
- Lestari, Y. M., & Yahya, M. (2020). Perilaku Petani Sayuran Dalam Mencari Informasi Pertanian Menggunakan Internet. *Jurnal Agroteknosains*, 4(2).
<http://portaluniversitasquality.ac.id:5388/Ojssystem/index.php/AGROTEK NOSAINS/article/view/430>
- Lewis, W. E. (with Dobbs, D., & Veerapillai, G.). (2009). *Software testing and continuous quality improvement* (Third edition). CRC Press.

- Maduri, P. K., Dhiman, P., Shukla, M. R., Anand, S., & Singh, S. P. (2021). Farmers Agriculture Assistance Chatbot. 1884–1889. <https://doi.org/10.1109/ICAC3N53548.2021.9725634>
- Majidi, F., & Bahrami, M. (2023). Utilizing Speech Emotion Recognition and Recommender Systems for Negative Emotion Handling in Therapy Chatbots. Arxiv. <https://doi.org/10.48550/arXiv.2311.11116>
- Mamun, K. A., Nabid, R. A., Pranto, S. I., Lamim, S. M., Rahman, M. M., Mahammed, N., Huda, M. N., Sarker, F., & Khan, R. R. (2024). Smart reception: An artificial intelligence driven bangla language based receptionist system employing speech, speaker, and face recognition for automating reception services. *Engineering Applications of Artificial Intelligence*, 136, 108923. <https://doi.org/10.1016/j.engappai.2024.108923>
- Marla, A., Paul, R., Saha, A. K., Basha, N. K., & Anandhakrishnan, B. (2023). An AgroBot: Natural Language Processing Based Chatbot for Farmers. 1235–1241. <https://doi.org/10.1109/ICOSEC58147.2023.10276356>
- Momaya, M., Khanna, A., Sadavarte, J., & Sankhe, M. (2021). Krushi–the farmer chatbot. 1–6. <https://doi.org/10.1109/ICCICT50803.2021.9510040>
- Mushtaq, F., Azam, F., & Anwar, M. W. (2024). Performance Comparison of Single Code Base Development Tools: Flutter, React Native, and Xamarin. 2024 14th International Conference on Software Technology and Engineering (ICSTE), 17–23. <https://doi.org/10.1109/ICSTE63875.2024.00011>
- Nokkaew, A., Chuechote, S., Poonpaiboonpipat, T., & Poonpaiboonpipat, W. (2023). Integration of Context-Based Learning with Informative Chatbot for Grassroots Farmers. 136–140. <https://doi.org/10.1109/ICIET56899.2023.10111435>
- Nordeen, A. (2020). Learn Software Testing in 24 Hours: Definitive Guide to Learn Software Testing for Beginners. Guru99. <https://books.google.co.id/books?id=hRwGEAAQBAJ>
- OpenAI. (2022, September). Introducing Whisper. OpenAI. https://openai.com/index/whisper/?utm_source=chatgpt.com

- OpenWeather. (2025). OpenWeather – Global Weather Data API and Forecast Services. About OpenWeather. <https://openweathermap.org/>
- Pangestika, R., & Dirgahayu, R. T. (2020). Pengembangan Back-end Sistem Informasi Pendataan Sekolah Desa Komunitas Pendar Foundation Yogyakarta. Universitas Islam Indonesia.
- Pedro, B. (2024). Building an API Product: Design, implement, release, and maintain API products that meet user needs. Packt Publishing Ltd. https://books.google.co.id/books?id=JfbuEAAAQBAJ&newbks=1&newbks_redir=0&dq=API&source=gbs_navlinks_s
- Piyathilake, V., Dilni, T. D., Pushpananda, R., Silva, L. D., & Zaheed, Y. (2024). Towards a Conversational AI Chatbot to Assist Farmers in Disease Detection. *Progress in Artificial Intelligence*, 206–217. https://doi.org/10.1007/978-3-031-73497-7_17
- Prasetyo, S. M., Nugroho, M. I. P., Putri, R. L., & Fauzi, O. (2022). Pembahasan Mengenai Front-End Web Developer dalam Ruang Lingkup Web Development. *BULLET : Jurnal Multidisiplin Ilmu*, 01(6), 1015–1020.
- Purbohadi, D., Afriani, S., Rachmanio, N., & Dewi, A. (2021). Developing Medical Virtual Teaching Assistant Based on Speech Recognition Technology. *International Journal of Online and Biomedical Engineering (iJOE)*, 17(04), 107–120. <https://doi.org/10.3991/ijoe.v17i04.21343>
- Sabry, F. (2023). Speech Recognition: Fundamentals and Applications (Vol. 233). One Billion Knowledgeable. https://books.google.co.id/books?id=FA3KEAAAQBAJ&newbks=0&dq=speech+recognition&source=gbs_navlinks_s
- Srinivas, J., Prashanth, U. S., Malapaka, A., & Amulya, V. (2024). Raithubot: An RLHF-Fine-Tuned Telugu Chatbot for Farmers. 819, 393–403. https://doi.org/10.1007/978-981-99-7820-5_32
- Sudipa, I. G. I., Ariantini, M. S., Pomalingo, S., Ridwan, A., Primasari, D., Ariana, A. A. G. B., Ibrahim, R. N., Irmawati, I., Yanuarsyah, I., & Ilham, R. (2023). Buku Ajar Rekayasa Perangkat Lunak. PT. Sonpedia Publishing Indonesia. https://books.google.co.id/books?id=22zdEAAAQBAJ&newbks=1&newbks_redir=0&printsec=frontcover#v=onepage&q&f=false

- Suebsombut, P., Sureephong, P., Sekhari, A., Chernbumroong, S., & Bouras, A. (2022). Chatbot Application to Support Smart Agriculture in Thailand. 2022 Joint International Conference on Digital Arts, Media and Technology with ECTI Northern Section Conference on Electrical, Electronics, Computer and Telecommunications Engineering (ECTI DAMT & NCON), 364–367. <https://doi.org/10.1109/ectidamtncon53731.2022.9720318>
- Supartha, I. K. D. G., Elly, E., Arifin, N. Y., Ridwan, A., Rivanthio, T. R., Santika, P. P., Hita, H., & Primasari, D. (2023). Buku Ajar Analisa Perancangan Sistem. PT. Sonpedia Publishing Indonesia.
- Suryanto, A. E., Lumbantobing, M. A., & Pancawati, R. (2024). Transformasi Pendidikan Melalui Penggunaan Chatbot: Manfaat, Tantangan, dan Rekomendasi untuk Masa Depan. *Journal on Education*, 7(2). <http://jonedu.org/index.php/joe>
- Tarmana, D., & Ulfah, A. (2021). Peningkatan Pemahaman Informasi Iklim Melalui Sekolah Lapang Iklim (SLI) Bagi Petani. *JMM (Jurnal Masyarakat Mandiri)*, 5(2), 798–809. <https://doi.org/10.31764/jmm.v5i2.4250>
- Tullis, T., & Albert, B. (2010). *Measuring the user experience: Collecting, analyzing, and presenting usability metrics*. Elsevier Science.
- Turban, E., Pollard, C., & Wood, G. R. (2021). *Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability (illustrated ed.)*. John Wiley & Sons.
- Usip, P. U., Udo, E. N., Asuquo, D. E., & James, O. R. (2022). A Machine Learning-Based Mobile Chatbot for Crop Farmers. 1666, 192–211. https://doi.org/10.1007/978-3-031-22950-3_15
- V, N., G. A, S., S, G., M, K., A, M., & S, T. (2024). AgriBot: An Integrated Chatbot Platform for Precision Agriculture and Farmer Support using Deep Learning Techniques. 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), 1–6. <https://doi.org/10.1109/ICPECTS62210.2024.10780432>
- Wirjohamidjojo, S., & Swarinoto, Y. S. (2012). *Praktek meteorologi pertanian (Cetakan II)*. Badan Meteorologi, Klimatologi, dan Geofisika.

Yas, Q., Alazzawi, A., & Rahmatullah, B. (2023). A Comprehensive Review of Software Development Life Cycle methodologies: Pros, Cons, and Future Directions. *Iraqi Journal for Computer Science and Mathematics*, 173–190. <https://doi.org/10.52866/ijcsm.2023.04.04.014>