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Erlangga Syifa Sutrisno, Dr.Eng. Ir. Ganjar Alfian, S.T., M.Eng.
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DAFTAR PUSTAKA

[1] C. Haouel and A. Nemeslaki, "Digital Transformation in Oil and Gas Industry," *Period. Polytech. Soc. Manag. Sci.*, vol. 32, no. 1, pp. 1–16, Mar. 2023, doi: 10.3311/PPso.20830.

[2] M. Y. Garza *et al.*, "Error rates of data processing methods in clinical research: A systematic review and meta-analysis of manuscripts identified through PubMed," *Int. J. Med. Inform.*, vol. 195, p. 105749, Mar. 2025, doi: 10.1016/j.ijmedinf.2024.105749.

[3] M. Nazeem, A. R, N. S, and R. R. R, "Open-Source OCR Libraries: A Comprehensive Study for Low Resource Language," *Proc. 21st Int. Conf. Nat. Lang. Process.*, pp. 416–421, 2024, [Online]. Available: https://aclanthology.org/2024.icon-1.48/

[4] C. Cui *et al.*, "PaddleOCR 3.0 Technical Report," Jul. 2025.

[5] V. K. Soni, V. Shukla, S. R. Tandan, A. Pimpalkar, N. K. Nema, and M. Naik, "Performance Evaluation of Efficient and Accurate Text Detection and Recognition in Natural Scenes Images Using EAST and OCR Fusion," *Int. J. Adv. Comput. Sci. Appl.*, vol. 16, no. 1, 2025, doi: 10.14569/IJACSA.2025.0160144.

[6] S. KONSTANTINOV, "ANALYSIS AND COMPARISON OF OPEN-SOURCE TOOLS FOR OPTICAL CHARACTER RECOGNITION IN BUSINESS DOCUMENT PROCESSING," *Annu. Konstantin Preslavsky Univ. Shumen, Fac. Math. informatics*, vol. XXVI C, pp. 22–40, Nov. 2025, doi: 10.46687/HIVE1644.

[7] Z. Wang and X. Shen, "Hybrid OCR-LLM Framework for Enterprise-Scale Document Information Extraction Under Copy-heavy Task," Oct. 2025.

[8] W. Yang and M. Yu, "Automatic Extraction of PDF Table Data Based on Deep Learning," in *Proceedings of the 2025 4th International Conference on Big Data, Information and Computer Network*, New York, NY, USA:

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ACM, Jan. 2025, pp. 222–226. doi: 10.1145/3727353.3727391.

[9] N. Lefeuvre *et al.*, "Characterizing Natural Hydrogen Occurrences in the Paris Basin From Historical Drilling Records," *Geochemistry, Geophys. Geosystems*, vol. 25, no. 5, May 2024, doi: 10.1029/2024GC011501.

[10] Z. Ma, J. E. Santos, G. Lackey, H. Viswanathan, and D. O'Malley, "Information extraction from historical well records using a large language model," *Sci. Rep.*, vol. 14, no. 1, p. 31702, Dec. 2024, doi: 10.1038/s41598-024-81846-5.

[11] R. Sinha and R. B. S, "Digitization of Document and Information Extraction using OCR," Jun. 2025.

[12] A. Al-Hajri, A. Magid Hamouda, and G. M. Abdella, "Sustainability-Based Strategic Framework for Digital Transformation in the Oil and Gas Industry," *IEEE Access*, vol. 13, pp. 52114–52133, 2025, doi: 10.1109/ACCESS.2025.3548960.

[13] M. Nagayi, A. Scaria Khan, T. Frank, R. Swart, and C. Nyirenda, "Evaluating OCR Performance on Food Packaging Labels in South Africa," *Commun. Comput. Inf. Sci.*, vol. 2784 CCIS, pp. 127–143, 2026, doi: 10.1007/978-3-032-11733-5_8.

[14] Y. Baek, B. Lee, D. Han, S. Yun, and H. Lee, "Character Region Awareness for Text Detection," in *2019 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, IEEE, Jun. 2019, pp. 9357–9366. doi: 10.1109/CVPR.2019.00959.

[15] B. Shi, X. Bai, and C. Yao, "An End-to-End Trainable Neural Network for Image-Based Sequence Recognition and Its Application to Scene Text Recognition," *IEEE Trans. Pattern Anal. Mach. Intell.*, vol. 39, no. 11, pp. 2298–2304, Nov. 2017, doi: 10.1109/TPAMI.2016.2646371.

[16] M. A. Sohail, "Deciphering the Underserved: Benchmarking LLM OCR for Low-Resource Scripts," *Proc. ACM Conf.*, vol. 1, 2024.

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GADJAH MADA
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[17] Xavctn, "img2table," 2026.

[18] M. Salaheldin Kasem *et al.*, "Deep Learning for Table Detection and Structure Recognition: A Survey," *ACM Comput. Surv.*, vol. 56, no. 12, pp. 1–41, Dec. 2024, doi: 10.1145/3657281.

[19] V. I. Levenshtein, "BINARY CODES CAPABLE OF CORRECTING DELETIONS, INSERTIONS, AND REVERSALS," *Sov. Phys. - Dokl.*, vol. 10, no. 8, pp. 707–710, 1966.

[20] C. Clausner, S. Pletschacher, and A. Antonacopoulos, "Flexible character accuracy measure for reading-order-independent evaluation," *Pattern Recognit. Lett.*, vol. 131, pp. 390–397, 2020, doi: 10.1016/j.patrec.2020.02.003.

[21] B. Gregg, *Systems Performance Enterprise and the Cloud*. Pearson Education, 2014.

[22] G. Rodolà, "psutil documentation," Read the Docs.

[23] W. McKinney, "Data Structures for Statistical Computing in Python," 2010, pp. 56–61. doi: 10.25080/Majora-92bf1922-00a.

[24] H. Bast and C. Korzen, "A Benchmark and Evaluation for Text Extraction from PDF," in *2017 ACM/IEEE Joint Conference on Digital Libraries (JCDL)*, IEEE, Jun. 2017, pp. 1–10. doi: 10.1109/JCDL.2017.7991564.

[25] J. X. McKie, "PyMuPDF documentation," Read the Docs.

[26] S. Ramírez, "FastAPI documentation," FastAPI.

[27] Vercel, "Next.js Documentation," Next.js.

[28] Oracle Corporation, "MySQL 8.0 Reference Manual," MySQL Documentation.

[29] I. Sommerville, *Software Engineering*, 10th ed. Boston, MA: Pearson, 2016.

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[30] R. Elmasri and S. B. Navathe, *Fundamentals of Database Systems*, 7th ed. Pearson.

[31] B. Hambling and P. van Goethem, *User Acceptance Testing: A Step-by-Step Guide*. UK: BCS, 2013.

[32] Sugiyono, *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. 2013.

[33] International Organization for Standardization, "Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Product quality model," 2023, *International Organization for Standardization, Geneva, Switzerland*.

[34] GeeksforGeeks, "Iterative Waterfall Model," GeeksforGeeks. Accessed: Sep. 03, 2026. [Online]. Available: https://www.geeksforgeeks.org/software-engineering/software-engineering-iterative-waterfall-model/

[35] B. Shneiderman, C. Plaisant, M. Cohen, S. Jacobs, N. Elmqvist, and N. Diakopoulos, *Designing the User Interface: Strategies for Effective Human-Computer Interaction*, 6th ed. Pearson, 2016.

[36] S. Few, *Information Dashboard Design: Displaying Data for At-a-Glance Monitoring*. Burlingame, CA: Analytics Press, 2013.