

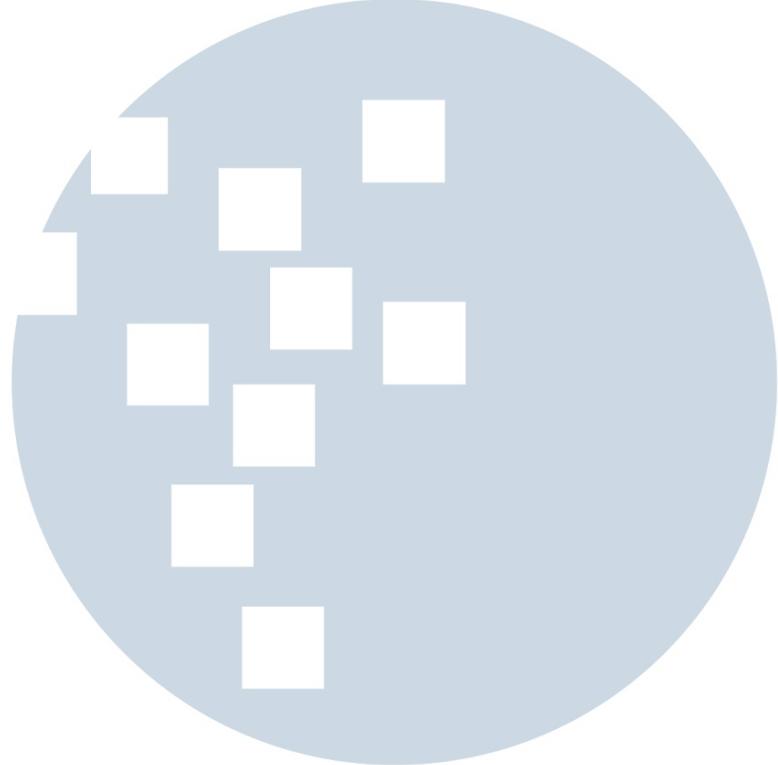
DAFTAR PUSTAKA

- [1] K. John, L. Kogan, and F. Saleh, “Smart contracts and decentralized finance,” *Available at SSRN*, 2022.
- [2] A. Shaidullin and M. Komarov, “Another approach of defi: P2p smart contracts,” in *2022 IEEE 24th Conference on Business Informatics (CBI)*, vol. 2. IEEE, 2022, pp. 97–103.
- [3] F. Schär, “Decentralized finance: On blockchain-and smart contract-based financial markets,” *FRB of St. Louis Review*, 2021.
- [4] R. Khan, S. Ansari, S. Jain, and S. Sachdeva, “Blockchain based land registry system using ethereum blockchain,” *Researchgate. Net*, vol. 12, pp. 3640–3648, 2020.
- [5] L. Marchesi, M. Marchesi, and R. Tonelli, “Abcde—agile block chain dapp engineering,” *Blockchain: Research and Applications*, vol. 1, no. 1-2, p. 100002, 2020.
- [6] R. Karanjai, E. Li, L. Xu, and W. Shi, “Who is smarter? an empirical study of ai-based smart contract creation,” *arXiv preprint arXiv:2308.02955*, 2023.
- [7] I. Salami, “Challenges and approaches to regulating decentralized finance,” *American Journal of International Law*, vol. 115, pp. 425–429, 2021.
- [8] Medium. [Online]. Available: <https://medium.com/coinmonks/smart-contract-automation-use-cases-an-overview>
- [9] L. Marchesi, K. Mannaro, M. Marchesi, and R. Tonelli, “Automatic generation of ethereum-based smart contracts for agri-food traceability system,” *IEEE Access*, vol. 10, pp. 50 363–50 383, 2022.
- [10] Huggingface. [Online]. Available: https://huggingface.co/transformers/v3.5.1/model_doc/gpt.html
- [11] OpenAI, “Gpt-4 technical report,” 2023.
- [12] A. Chowdhery, S. Narang, J. Devlin, M. Bosma, G. Mishra, A. Roberts, P. Barham, H. W. Chung, C. Sutton, S. Gehrmann *et al.*, “Palm: Scaling language modeling with pathways,” *arXiv preprint arXiv:2204.02311*, 2022.
- [13] H. W. Chung, L. Hou, S. Longpre, B. Zoph, Y. Tay, W. Fedus, Y. Li, X. Wang, M. Dehghani, S. Brahma *et al.*, “Scaling instruction-finetuned language models,” *arXiv preprint arXiv:2210.11416*, 2022.
- [14] Z. Feng, D. Guo, D. Tang, N. Duan, X. Feng, M. Gong, L. Shou, B. Qin, T. Liu, D. Jiang *et al.*, “Codebert: A pre-trained model for programming and natural languages,” *arXiv preprint arXiv:2002.08155*, 2020.

- [15] B. Roziere, J. Gehring, F. Gloeckle, S. Sootla, I. Gat, X. E. Tan, Y. Adi, J. Liu, T. Remez, J. Rapin *et al.*, “Code llama: Open foundation models for code,” *arXiv preprint arXiv:2308.12950*, 2023.
- [16] R. Gupta, J. B. Park, I. Herzog, N. Yosufi, A. Mangan, P. K. Firouzbakht, and B. A. Mailey, “Applying gpt-4 to the plastic surgery inservice training examination,” *Journal of Plastic, Reconstructive & Aesthetic Surgery*, vol. 87, pp. 78–82, 2023.
- [17] S. S. Biswas, “Role of chat gpt in public health,” *Annals of biomedical engineering*, vol. 51, no. 5, pp. 868–869, 2023.
- [18] T. Zhang, F. Ladhak, E. Durmus, P. Liang, K. McKeown, and T. B. Hashimoto, “Benchmarking large language models for news summarization,” *arXiv preprint arXiv:2301.13848*, 2023.
- [19] A. Hamid, H. R. Samidi, T. Finin, P. Pappachan, and R. Yus, “Genaipabench: A benchmark for generative ai-based privacy assistants,” *arXiv preprint arXiv:2309.05138*, 2023.
- [20] P. Agarwal, M. Kansal, P. Kumar, and S. Gupta, “Benchmarking: A tool for gaining competitive advantage:(a case study of xerox),” *Mangalmay Journal of Management & Technology*, vol. 5, no. 2, pp. 56–68, 2011.
- [21] Ethereum gas and fees. [Online]. Available: <https://ethereum.org/en/developers/docs/gas/>
- [22] L. Marchesi, M. Marchesi, G. Destefanis, G. Barabino, and D. Tigano, “Design patterns for gas optimization in ethereum,” in *2020 IEEE International Workshop on Blockchain Oriented Software Engineering (IWBOSE)*. IEEE, 2020, pp. 9–15.
- [23] A. Aldweesh, M. Alharby, E. Solaiman, and A. Van Moorsel, “Performance benchmarking of smart contracts to assess miner incentives in ethereum,” in *2018 14th European Dependable Computing Conference (EDCC)*. IEEE, 2018, pp. 144–149.
- [24] A. Aldweesh, M. Alharby, M. Mehrnezhad, and A. van Moorsel, “The opbench ethereum opcode benchmark framework: Design, implementation, validation and experiments,” *Performance Evaluation*, vol. 146, p. 102168, 2021.
- [25] D. Saingre, T. Ledoux, and J.-M. Menaud, “Measuring performances and footprint of blockchains with bctmark: a case study on ethereum smart contracts energy consumption,” *Cluster Computing*, vol. 25, no. 4, pp. 2819–2837, 2022.

- [26] A. Zuiderwijk, A. Pirannejad, and I. Susha, “Comparing open data benchmarks: Which metrics and methodologies determine countries’ positions in the ranking lists?” *Telematics and Informatics*, vol. 62, p. 101634, 2021.
- [27] G. Wood *et al.*, “Ethereum: A secure decentralised generalised transaction ledger,” *Ethereum project yellow paper*, vol. 151, no. 2014, pp. 1–32, 2014.
- [28] W. Metcalfe *et al.*, “Ethereum, smart contracts, dapps,” *Blockchain and Cryptocurrency*, vol. 77, 2020.
- [29] L. Breidenbach, C. Cachin, B. Chan, A. Coventry, S. Ellis, A. Juels, F. Koushanfar, A. Miller, B. Magauran, D. Moroz *et al.*, “Chainlink 2.0: Next steps in the evolution of decentralized oracle networks,” *Chainlink Labs*, vol. 1, pp. 1–136, 2021.
- [30] E. H. Umucu, “Solidity: Smart contract language or legal contract language,” Available at SSRN 3916072, 2021.
- [31] Ethereum improvement protocols. [Online]. Available: <https://eips.ethereum.org/erc>
- [32] F. Vogelsteller and V. Buterin, “erc-20: Token standard,” ethereum improvement proposals, no. 20, November 2015, [Accessed 21-11-2023].
- [33] A. Süzen and O. Ceylan, “Erc-20 token creating and implementation of security measures in solidity: Aascoin,” 11 2021.
- [34] S. Somin, G. Gordon, A. Pentland, E. Shmueli, and Y. Altshuler, “Erc20 transactions over ethereum blockchain: Network analysis and predictions,” *arXiv preprint arXiv:2004.08201*, 2020.
- [35] J. J. A. C. C. Joey Santoro, t11s and S. Doggo, “erc-4626: Tokenized vaults,” ethereum improvement proposals, no. 4626, December 2021, [Accessed 21-11-2023].
- [36] f. Alberto Cuesta Cañada, Fiona Kobayashi and A. Williams, “erc-3156: Flash loans,” ethereum improvement proposals, no. 3156, November 2020, [Accessed 21-11-2023].
- [37] Meta, code-llama. [Online]. Available: <https://ai.meta.com/blog/code-llama-large-language-model-coding/>
- [38] J. Horváthová, M. Mokrišová, and M. Vrábliková, “Benchmarking—a way of finding risk factors in business performance,” *Journal of Risk and Financial Management*, vol. 14, no. 5, p. 221, 2021.
- [39] A. Delice, “The sampling issues in quantitative research.” *Educational Sciences: Theory and Practice*, vol. 10, no. 4, pp. 2001–2018, 2010.

- [40] Eduardo Muñoz, “llama-2-7b-int4-python-coder,” 2023. [Online]. Available: <https://huggingface.co/edumunozsala/llama-2-7b-int4-python-18k-alpaca>



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