

## References

- [1] P. Krigsholm, K. Ridanpää, and K. Riekkinen, “Blockchain as a technological solution in land administration-what are current barriers to implementation?”
- [2] M. Shuaib, S. Alam, R. Ahmed, S. Qamar, M. S. Nasir, and M. S. Alam, “Current status, requirements, and challenges of blockchain application in land registry,” *International Journal of Information Retrieval Research*, vol. 12, no. 2, pp. 1–20, Aug. 2022, doi: 10.4018/IJIRR.299934.
- [3] J. Michael Graglia and C. Mellon, “Blockchain and property in 2018,” 2018, [Online]. Available: [http://direct.mit.edu/itgg/article-pdf/12/1-2/90/705267/inov\\_a\\_00270.pdf](http://direct.mit.edu/itgg/article-pdf/12/1-2/90/705267/inov_a_00270.pdf)
- [4] Z. Zheng, S. Xie, H. Dai, X. Chen, and H. Wang, “An Overview of Blockchain Technology: Architecture, consensus, and future trends,” in *2017 IEEE International Congress on Big Data (BigData Congress)*, IEEE, Jun. 2017, pp. 557–564. doi: 10.1109/BigDataCongress.2017.85.
- [5] W. Baiod, J. Light, and A. Mahanti, “Blockchain technology and its applications across multiple domains: A Survey,” *Journal of International Technology and Information Management*, vol. 29, no. 4, pp. 78–119, Jan. 2021, doi: 10.58729/1941-6679.1482.
- [6] Y. Cai and D. Zhu, “Fraud detections for online businesses: a perspective from blockchain technology,” *Financial Innovation*, vol. 2, no. 1, p. 20, Dec. 2016, doi: 10.1186/s40854-016-0039-4.
- [7] Q. Shang and A. Price, “A blockchain-based land titling project in the Republic of Georgia rebuilding public trust and lessons for future pilot projects 72 innovations/blockchain for global development II,” 2018. [Online]. Available: [http://direct.mit.edu/itgg/article-pdf/12/3-4/72/705280/inov\\_a\\_00276.pdf](http://direct.mit.edu/itgg/article-pdf/12/3-4/72/705280/inov_a_00276.pdf)
- [8] I. Racetin, J. Kilić Pamuković, M. Zrinjski, and M. Peko, “Blockchain-based land management for sustainable development,” Sep. 01, 2022, MDPI. doi: 10.3390/su141710649.
- [9] Cicy V Abraham, Nikhil T Das, Anvitha V, Jincy Joy, and Dr. Susheel George Joseph, “Harnessing blockchain for transparent and efficient land asset value creation in India,” *International Journal of Engineering Technology and Management Sciences*, vol. 7, no. 4, pp. 323–328, 2023, doi: 10.46647/ijetms.2023.v07i04.044.
- [10] R. I. Shithy, N. Mohammad, H. N. A. Ruhullah, S. M. Y. Oni, and Md. A. Amin, “A blockchain based land registration and ownership management system for Bangladesh,” in *2021 4th International Conference on Blockchain Technology and Applications*, New York, NY, USA: ACM, Dec. 2021, pp. 94–100. doi: 10.1145/3510487.3510501.
- [11] Y. Akhmetbek and D. Špaček, “Opportunities and barriers of using blockchain in public administration: the case of real estate registration in Kazakhstan,” *NISPAce Journal of Public Administration and Policy*, vol. 14, no. 2, Dec. 2021, doi: 10.2478/nispa-2021-0014.
- [12] M. Aquib, L. Das Dhomeja, K. Dahri, and Y. A. Malkani, “Blockchain-based land record management in Pakistan,” in *2020 3rd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)*, IEEE, Jan. 2020, pp. 1–5. doi: 10.1109/iCoMET48670.2020.9073927.
- [13] S. Pongnumkul, C. Khonnasee, S. Lertpattanasak, and C. Polprasert, “Proof-of-Concept (PoC) of land mortgaging process in blockchain-based land registration system of Thailand,” in *Proceedings of the 2020 The 2nd International Conference on Blockchain Technology*, New York, NY, USA: ACM, Mar. 2020, pp. 100–104. doi: 10.1145/3390566.3391669.

- [14] R. M. Thamrin, E. P. Harahap, A. Khoirunisa, A. Faturahman, and K. Zelina, "Blockchain-based land certificate management in Indonesia," *ADI Journal on Recent Innovation (AJRI)*, vol. 2, no. 2, pp. 232–252, Feb. 2021, doi: 10.34306/ajri.v2i2.339.
- [15] A. Tumasjan, "The promise and prospects of blockchain-based decentralized business models," 2024, pp. 203–224. doi: 10.1007/978-3-031-39101-9\_11.
- [16] D. Senthilkumar, "Data confidentiality, integrity, and authentication," pp. 246–274, 2019, doi: 10.4018/978-1-5225-9257-0.ch012.
- [17] A. Alamsyah and S. Syahrir, "A taxonomy on blockchain-based technology in the financial industry: drivers, applications, benefits, and threats," in *Blockchain and Smart-Contract Technologies for Innovative Applications*, Cham: Springer Nature Switzerland, 2024, pp. 91–129. doi: 10.1007/978-3-031-50028-2\_4.
- [18] A. Alkhateeb, C. Catal, G. Kar, and A. Mishra, "Hybrid blockchain platforms for the Internet of Things (IoT): a systematic literature review," Feb. 01, 2022, MDPI. doi: 10.3390/s22041304.
- [19] D. A. Asmare and F. Gedefaw, "Blockchain technology: understanding its meaning, architecture, and diverse applications", doi: 10.13140/RG.2.2.25588.32643/1.
- [20] A. Rezkki, S. Syawaludin, and R. Munir, "Registration of land and building certificate ownership using blockchain technology." [Online]. Available: <https://www.arsitag.com/article/statuskepemilikan-tanah>
- [21] A. Alamsyah, N. Hakim, and R. Hendayani, "Blockchain-based traceability system to support the Indonesian halal supply chain ecosystem," *Economies*, vol. 10, no. 6, p. 134, Jun. 2022, doi: 10.3390/economies10060134.
- [22] S. Dutta and Kavita, "Evolution of blockchain technology in business applications," *J Emerg Technol Innov Res*, 2019.
- [23] J. Werth, M. Berenjestanaki, H. Barzegar, N. El Ioini, and C. Pahl, "A review of blockchain platforms based on the scalability, security and decentralization trilemma," in *Proceedings of the 25th International Conference on Enterprise Information Systems, SCITEPRESS - Science and Technology Publications*, 2023, pp. 146–155. doi: 10.5220/0011837200003467.
- [24] J. Doe, "Addressing the blockchain trilemma: challenges and solutions," *IEEE Trans Dependable Secure Comput*, vol. 20, no. 3, pp. 456–467, 2021.
- [25] H. Wang, Z. Zheng, S. Xie, H. N. Dai, and X. Chen, "Blockchain challenges and opportunities: a survey," *International Journal of Web and Grid Services*, vol. 14, no. 4, p. 352, 2018, doi: 10.1504/ijwgs.2018.10016848.
- [26] J. P. Nugraha, A. P. Kurniawan, I. D. Putri, R. K. Wicaksono, and T. Tarisa, "Penerapan blockchain untuk pencegahan sertipikat tanah ganda di Kementerian Agraria dan Tata Ruang/Badan Pertanahan Nasional," *Widya Bhumi*, vol. 2, no. 2, pp. 123–135, Dec. 2022, doi: 10.31292/wb.v2i2.43.
- [27] V. Thakur, M. N. Doja, Y. K. Dwivedi, T. Ahmad, and G. Khadanga, "Land records on blockchain for implementation of land titling in India," *Int J Inf Manage*, vol. 52, p. 101940, Jun. 2020, doi: 10.1016/j.ijinfomgt.2019.04.013.
- [28] M. Adi Kusuma, P. Sukarno, and A. Arif Wardana, "Security system for digital land certificate based on blockchain and QR code validation in Indonesia," , *IEEE*, 2022.

- [29] A. Alamsyah et al., “Blockchain traceability model in the coffee industry,” *Journal of Open Innovation: Technology, Market, and Complexity*, vol. 9, no. 1, Mar. 2023, doi: 10.1016/j.joitmc.2023.100008.
- [30] B. Guidi, A. Michienzi, and L. Ricci, “Data persistence in decentralized social applications: the IPFS approach,” in *2021 IEEE 18th Annual Consumer Communications & Networking Conference (CCNC)*, IEEE, Jan. 2021, pp. 1–4. doi: 10.1109/CCNC49032.2021.9369473.
- [31] G. Community, “Public Key Infrastructure,” *geeksforgeeks.org*. Accessed: Jan. 15, 2024. [Online]. Available: <https://www.geeksforgeeks.org/public-key-infrastructure/>
- [32] S. Dutta and K. Saini, “Statistical assessment of hybrid blockchain for SME sector,” *Wseas Transactions on System and Control*, vol. 16, pp. 83–95, Jan. 2021, doi: 10.37394/23203.2021.16.6.

