Pengembangan Dashboard Monitoring Pengadaan Material Konstruksi Berbasis Blockchain dan Smart
Contract
Zafira Andiela Putri, blockchain, smart contract, pengadaan material konstruksi, monitoring pembayaran, dashboard.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ahmed, W.A.H., MacCarthy, B.L., 2023a. Blockchain-enabled supply chain traceability – How wide? How deep? Int. J. Prod. Econ. 263. https://doi.org/10.1016/j.ijpe.2023.108963

Atmaja, R. T. (2022). *Pengembangan smart contract berbasis blockchain dan BIM pada konstruksi bangunan gedung untuk peningkatan kinerja manajemen keuangan* [Tesis magister, Universitas Indonesia].Basheer, M., Elghaish, F., Brooks, T., Pour Rahimian, F., Park, C., 2024. Blockchain-based decentralised material management system for construction projects. Journal of Building Engineering 82. https://doi.org/10.1016/j.jobe.2023.108263

Benet, J., 2014. IPFS - Content Addressed, Versioned, P2P File System.

Benet, J., 2014. IPFS - Content Addressed, Versioned, P2P File System. arXiv. https://arxiv.org/abs/1407.3561

Chart.js, 2026. Chart.js Documentation. https://www.chartjs.org/docs/

Ethereum Foundation, 2026. Introduction to Smart Contracts. Ethereum Documentation. https://ethereum.org/en/developers/docs/smart-contracts/

Ethers.js, 2026. ethers.js Documentation Version 6. https://docs.ethers.org/v6/

Few, Stephen., 2006. Information dashboard design : the effective visual communication of data. O'Reilly.

Few, S. (2006). *Information dashboard design: The effective visual communication of data*. O'Reilly Media.

Hamledari, H., Fischer, M., 2021a. Measuring the impact of blockchain and smart contracts on construction supply chain visibility. Advanced Engineering Informatics 50. https://doi.org/10.1016/j.aei.2021.101444

Hamledari, H., Fischer, M., 2021b. Construction payment automation using blockchain-enabled smart contracts and robotic reality capture technologies. Autom. Constr. 132. https://doi.org/10.1016/j.autcon.2021.103926

Pengembangan Dashboard Monitoring Pengadaan Material Konstruksi Berbasis Blockchain dan Smart
Contract
Zafira Andiela Putri, blockchain, smart contract, pengadaan material konstruksi, monitoring pembayaran, dashboard.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kamel, M.A., Bakhoum, E.S., Marzouk, M.M., 2023. A framework for smart construction contracts using BIM and blockchain. Sci. Rep. 13. https://doi.org/10.1038/s41598-023-37353-0

Li, J., Kassem, M., 2021. Applications of distributed ledger technology (DLT) and Blockchain-enabled smart contracts in construction. Autom. Constr. https://doi.org/10.1016/j.autcon.2021.103955

MetaMask, 2026. MetaMask Developer Documentation. https://docs.metamask.io/

Mozilla Developer Network, 2026. CSS: Cascading Style Sheets. MDN Web Docs. https://developer.mozilla.org/en-US/docs/Web/CSS

Mozilla Developer Network, 2026. Document Object Model (DOM). MDN Web Docs. https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model

Mozilla Developer Network, 2026. HTML: HyperText Markup Language. MDN Web Docs. https://developer.mozilla.org/en-US/docs/Web/HTML

Mozilla Developer Network, 2026. JavaScript. MDN Web Docs. https://developer.mozilla.org/en-US/docs/Web/JavaScript

Nanayakkara, S., Perera, S., Senaratne, S., Weerasuriya, G.T., Bandara, H.M.N.D., 2021. Blockchain and smart contracts: A solution for payment issues in construction supply chains. Informatics 8. https://doi.org/10.3390/informatics8020036

Pham, V.H.S., Vo, T.T., Dang, N.T.N., 2024. Applying blockchain technology in smart contracts for construction payment: a comprehensive solution for lumpsum contracts. Asian Journal of Civil Engineering 25, 3549–3564. https://doi.org/10.1007/s42107-024-00995-0

Pinata, 2026. Pin File to IPFS. Pinata Documentation. https://docs.pinata.cloud/api-reference/endpoint/ipfs/pin-file-to-ipfs

Project Management Institute, 2017. A guide to the project management body of knowledge. Project Management Institute, Inc.

Rathnayake, I., Wedawatta, G., Tezel, A., 2022. Smart Contracts in the Construction Industry: A Systematic Review. Buildings. https://doi.org/10.3390/buildings12122082

Pengembangan Dashboard Monitoring Pengadaan Material Konstruksi Berbasis Blockchain dan Smart
Contract
Zafira Andiela Putri, blockchain, smart contract, pengadaan material konstruksi, monitoring pembayaran, dashboard.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Remix, 2026. Remix IDE Documentation. https://remix-ide.readthedocs.io/

Sigalov, K., Ye, X., König, M., Hagedorn, P., Blum, F., Severin, B., Hettmer, M., Hückinghaus, P., Wölkerling, J., Groß, D., 2021. Automated payment and contract management in the construction industry by integrating building information modeling and blockchain-based smart contracts. Applied Sciences (Switzerland) 11. https://doi.org/10.3390/app11167653

SheetJS, 2026. SheetJS Documentation. https://docs.sheetjs.com/

Solidity, 2026. Solidity Documentation. Solidity Foundation. https://docs.soliditylang.org/

Sommerville, Ian., 2016. Software engineering. Pearson.

Yaga, D., Mell, P., Roby, N., Scarfone, K., 2019. Blockchain Technology Overview. https://doi.org/10.6028/NIST.IR.8202

Ye, X., Zeng, N., König, M., 2022. Systematic literature review on smart contracts in the construction industry: Potentials, benefits, and challenges. Frontiers of Engineering Management. https://doi.org/10.1007/s42524-022-0188-2

Yigit, E., Dag, T., 2024. Improving Supply Chain Management Processes Using Smart Contracts in the Ethereum Network Written in Solidity. Applied Sciences (Switzerland) 14. https://doi.org/10.3390/app14114738

Yigitbasioglu, O.M., Velcu, O., 2012. A review of dashboards in performance management: Implications for design and research. International Journal of Accounting Information Systems 13, 41–59. https://doi.org/10.1016/j.accinf.2011.08.002

Yuda, T. A. (2025). *Pemodelan smart contract berbasis blockchain melalui integrasi BIM dan rantai pasok dalam proyek konstruksi* [Tesis magister, Institut Teknologi Sepuluh Nopember].