

## DAFTAR PUSTAKA

- Alexandratos, N., & Bruinsma, J. (2012). World Agriculture towards 2030/2050: the 2012 revision. In WORLD AGRICULTURE. [www.fao.org/economic/esa](http://www.fao.org/economic/esa)
- Ameer, R. (2017). What is Blockchain Technology? A Step-by-Step Guide For Beginners. [Online]. Blockgeeks. <https://blockgeeks.com/guides/what-is-blockchain-technology/> [Diakses pada 29 Maret 2024].
- Amalina, N. N., Liputra, D. T., & Heryanto, R. M. (2024). Analisis Penyebab Risiko pada Rantai Pasok Darah di Masa Pandemi COVID-19 Menggunakan Model Supply Chain Operations Reference (SCOR) dan Failure Modes and Effects Analysis (FMEA). JISI: Jurnal Integrasi Sistem Industri, 11(1), 65. <https://doi.org/10.24853/jisi.11.1.65-76>
- Armadini, G., Karsiningsih, E., Program, R. P., Agribisnis, S., Perikanan, P., Biologi, D., Bangka, U., Kampus, B., Merawang, T. B., Bangka, K. B., & Belitung, I. (2024). Mimbar Agribisnis: Jurnal Pemikiran Masyarakat Ilmiah Berwawasan Agribisnis Faktor-faktor yang Memengaruhi Kepuasan Konsumen dan Loyalitas Konsumen Beras BULOG di Kota Pangkalpinang Factors Affecting Customer Satisfaction and Customer Loyalty of BULOG Rice in Pangkalpinang City. 10(1), 899–913.
- Ayu, C. (2022). Analisis Rantai Nilai Dan Efisiensi Pemasaran Beras di Kabupaten Lombok Barat. Jurnal Sosial Ekonomi Dan Humaniora, 8, 347–354. <http://www.>
- Badan Pusat Statistik (BPS). (2023). Konsumsi beras per kapita di Indonesia. <https://databoks.katadata.co.id/datapublish/2022/09/22/konsumsi-beras-penduduk-ri-meningkat-sejak-pandemi> [Diakses pada 29 Maret 2024].

Badan Pusat Statistik (BPS). (2023). Statistik Padi dan Beras Indonesia. Badan Pusat Statistik Republik Indonesia.

Bashir, I. (2017). Mastering Blockchain: Distributed ledger technology, decentralization, and smart contracts explained. Packt Publishing.

Bettín-Díaz, R., Rojas, A. E., & Mejía-Moncayo, C. (2018). Methodological approach to the definition of a blockchain system for the food industry supply chain traceability. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) (Vol. 10961, pp. 19-33). Springer, Cham.

Binance Academy. Delegated Proof of Stake Explained. Binance Academy. Retrieved from <https://academy.binance.com/blockchain/delegated-proof-of-stake-explained> [Diakses pada 15 Mei 2024].

Braun, V., & Clarke, V. (2006). Using Thematic Analysis in Qualitative Research. *Qualitative Research in Psychology*, 3(2), 183-221.

Brush, K., Rosencrance, L., & Cobb, M. (2020, March). Asymmetric cryptography (public key cryptography). SearchSecurity. [Online] <https://searchsecurity.techtarget.com/definition/asymmetric-cryptography> [Diakses pada 29 Maret 2024].

Casino, F., Dasaklis, T. K., & Patsakis, C. (2019). A systematic literature review of blockchain-based applications: Current status, classification, and open issues. *Telecommunications Policy*, 43(10), 101848. <https://doi.org/10.1016/j.telpol.2019.101848>

- Castro, M., & Liskov, B. (1999). Practical Byzantine Fault Tolerance. In Proceedings of the Third Symposium on Operating Systems Design and Implementation (pp. 173-186).
- Cooper, D. R., & Schindler, P. S. (2014). Business Research Methods (12th ed.). McGraw-Hill Education.
- Daymon, C., & Holloway, I. (2011). Qualitative research methods in public health [Chapter 3: Interpretivism and constructionism]. Routledge.
- Elkington, J. (1997). Cannibals with forks: The triple bottom line of 21st-century business. Capstone.
- Debaro Huyler, & Craig M. McGill. (2019). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches,. New Horizons in Adult Education & Human Resource Development.
- Dwi Susanti, I. A. M., Tamba, I. M., Sukanteri, N. P., Budiasa, I. M., & Jarut, G. A. (2023). Faktor-faktor yang mempengaruhi pembelian beras organik “Mentik Susu” di Badan Usaha Milik Desa (BUMDes) Sidan. Media Agribisnis, 7(2), 21–32. <https://doi.org/10.35326/agribisnis.v7i2.3815>
- Francisco, K., & Swanson, D. (2018). The Supply Chain Has No Clothes: Technology Adoption of Blockchain for Supply Chain Transparency. Logistics, 2(1), 2. <https://doi.org/10.3390/logistics2010002>
- Friedman, N., & Ormiston, J. (2022). Blockchain as a sustainability-oriented innovation?: Opportunities for and resistance to Blockchain technology as a driver of sustainability in global food supply chains. Technological Forecasting and Social Change, 175. <https://doi.org/10.1016/j.techfore.2021.121403>

- Frankenfield, J. (2020, June 28). Proof of Work. Investopedia. Retrieved from <https://www.investopedia.com/terms/p/proof-work.asp> [Diakses pada 15 Mei 2024].
- Grybniak, S. (2019, August 12). What You Need To Know About pBFT Consensus. DZone. Retrieved from <https://dzone.com/articles/what-you-need-to-know-about-pbft-consensus-plus-ap> [Diakses pada 15 Mei 2024].
- Guba, E. G., & Lincoln, Y. S. (1994). Competing paradigms in qualitative research. Sage Publications.
- Hoonsopon, D., & Viriyasitavat, W. (2019). Blockchain characteristics and consensus in modern business processes. *Journal of Industrial Information Integration*, 13, 32-39. <https://doi.org/10.1016/j.jii.2018.07.004> [Diakses pada 29 Maret 2024].
- Hafy, Z., Larasati, V., & Sari Puspita, R. (2018). Hubungan Lama Penyimpanan Sampel Arsip Jaringan dalam Blok Parafin Terfiksasi Formalin dengan Kualitas Hasil Ekstraksi DNA Mitokondria Jaringan.
- Herlina. (2006). HUBUNGAN TIPE STRATEGI BISNIS DAN STRATEGI PEMASARAN DALAM MENCIPTAKAN KEUNGGULAN BERSAING PERUSAHAAN DENGAN MENGGUNAKAN MANAJEMEN TENAGA PENJUAL. In *Jurnal Manajemen* (Vol. 6, Issue 1).
- Hukmian, A. (2020). Dinamika Harga Gabah dan Beras di Indonesia: Analisis Ekonomi dan Kebijakan. *Jurnal Agroekonomi*, 19(1), 1-18.
- Iansiti, M., & Lakhani, K. R. (2018, Februari). The Truth about Blockchain. *Harvard Business Review*. <https://hbr.org/2017/01/the-truth-about-blockchain> [Diakses pada 29 Maret 2024].

- Indonesian Climate Change Trust Fund (ICCTF). (n.d.). 5P dalam TPB/SDGs. Retrieved from <https://www.icctf.or.id/sdgs/> [Diakses pada 13 Agustus 2024]
- International Rice Research Institute (IRRI). (2023). Rice value chain. <https://www.irri.org/research-areas> [Diakses pada 29 Maret 2024].
- JD.com. (2023). JD Blockchain. <https://blockchain.jd.com/en/> [Diakses pada 29 Maret 2024].
- Janssen, A. (2018). The Formation of Smart Contracts and Beyond: Shaking the Fundamentals of Contract Law? <https://www.researchgate.net/publication/327732779>
- Johnson, D., Menezes, A., & Vanstone, S. (2001). The Elliptic Curve Digital Signature Algorithm (ECDSA).
- Joop J. Hox, & Boeijs, H. R. (2005). Data Collection, Primary vs. Secondary.
- Kabi, O. R., & Franqueira, V. N. L. (2019). Blockchain-based distributed marketplace. Lecture Notes in Business Information Processing, 339, 197–210. [https://doi.org/10.1007/978-3-030-04849-5\\_17](https://doi.org/10.1007/978-3-030-04849-5_17)
- Kamilaris, A., Fonts, A., & Prenafeta-Boldú, F. X. (2019). The rise of blockchain technology in agriculture and food supply chains. Trends in Food Science & Technology, 91, 640-652. <https://doi.org/10.1016/j.tifs.2019.07.034>
- Kim, H. M., & Laskowski, M. (2018). Toward an ontology-driven blockchain design for supply-chain provenance. Intelligent Systems in Accounting, Finance and Management, 25(1), 18-27. <https://doi.org/10.1002/isaf.1424>
- Kirepi, Y. (2014). Rantai Nilai Beras di Indonesia: Sebuah Kajian Sistemik. Jurnal Agroekonomi, 17(2), 117-130.

- Kofman, F. (2006). *Conscious business: How to build value through values*. Boulder, CO: Sounds True. Retrieved from <https://archive.org/details/consciousbusiness0000kofm> [Diakses pada 13 Agustus 2024]
- Kriyantono, R. (2014). *Teknik Praktik Riset Komunikasi*. Jakarta: Kencana Prenada Media Group.
- Lambert, D. M., & Cooper, M. C. (2000). Issues In Supply Chain Management. *Industrial Marketing Management*, 29(1).
- Lamport, L., Shostak, R., & Pease, M. (1982). The Byzantine Generals Problem.
- Lioutas, E. D., & Charatsari, C. (2020). Smart farming and short food supply chains: Are they compatible? *Land Use Policy*, 94. <https://doi.org/10.1016/j.landusepol.2020.104541>
- Luhkito, G. A., Kusyanti, A., & Siregar, R. A. (2021). Implementasi Blockchain pada Peer-to-Peer Transaction menggunakan Algoritma U-Quark (Vol. 5, Issue 4). <http://j-ptiik.ub.ac.id>
- Marchesi, M., Marchesi, L., & Tonelli, R. (2018). An Agile Software Engineering Method to Design Blockchain Applications. 1–8. <https://doi.org/10.1145/3290621.3290627>
- Mearin, L. (2019, January 29). What is blockchain? The complete guide. [Online]. Computerworld. <https://www.computerworld.com/article/3191077/what-is-blockchain-the-complete-guide.html>. [Diakses pada 29 Maret 2024].
- Ministry of Agriculture, Republic of Indonesia. (2020). Varietas padi di Indonesia. Retrieved from <https://www.pertanian.go.id> [Diakses pada 3 Juli 2024]

Nakamoto, S. (2009). Bitcoin: A Peer-to-Peer Electronic Cash System. Retrieved from

<https://bitcoin.org/bitcoin.pdf> [Diakses pada 15 Mei 2024].

Natarajan, H., Krause, S., & Gradstein, H. (2017). Distributed Ledger Technology (DLT) and Blockchain. Washington, DC: World Bank Group.

Neuman, L. W. (2006). Social research methods: Qualitative and quantitative approaches (6th ed.). Pearson Education. (Chapter on Interpretivism)

Nomura Research Institute. (2016). Survey on blockchain technologies and related services FY2015 report. [Report]

Natarajan, H., Krause, S., & Gradstein, H. (2017). Distributed Ledger Technology (DLT) and Blockchain Acknowledgments 3.

Prasetyowati, K. (2021). ANALISIS PEMASARAN BERAS ORGANIK BERSERTIFIKAT DAN NON ORGANIK DI DESA DLINGO KECAMATAN MOJOSONGO KABUPATEN BOYOLALI.

Reiff, N. (2020, February 1). Blockchain Explained. Investopedia.

<https://www.investopedia.com/terms/b/blockchain.asp#what-is-blockchain>

[Diakses pada 29 Maret 2024].

Riessman, C. K. (2008). Narrative Methods for the Human Sciences. Sage Publications.

Saberi, S., Kouhizadeh, M., Sarkis, J., & Shen, L. (2019). Blockchain technology and its relationships to sustainable supply chain management. International Journal of

Production Research, 57(7), 2117-2135.

<https://doi.org/10.1080/00207543.2018.1533261>

- Sari, D. A., & Handarini, F. (2018). Analisis Sistem Value Chain Beras Organik di Kabupaten Bantul. *Jurnal Agroteknologi Universitas Muhammadiyah Yogyakarta*, 7(1), 1-10.
- Saunders, M., Lewis, P., & Thornhill, A. (2016). *Research Methods for Business Students* (7th ed.). Pearson Education.
- Sectigo. (n.d.). Public key cryptography explained: Public keys and private keys in public key cryptography. [Online]. Available: <https://sectigo.com/public-key-vs-private-key> [Diakses pada 29 Maret 2024].
- Sekaran, U., & Bougie, R. (2009). *Research Methods for Business: A Skill Building Approach* (5th ed.). John Wiley & Sons Ltd.
- Singh, A., Parizi, R. M., Zhang, Q., Choo, K. K. R., & Dehghantanha, A. (2020). Blockchain smart contracts formalization: Approaches and challenges to address vulnerabilities. In *Computers and Security* (Vol. 88). <https://doi.org/10.1016/j.cose.2019.101654>
- Stake, R. E. (1995). The Case Study Method in Case Studies in Science Education. In S. B. Flamer (Ed.), *Case Studies in Science Education* (pp. 3-16). Lawrence Erlbaum Associates.
- Surplus, F. (2021). Tantangan dan Peluang Peningkatan Produksi Padi di Indonesia. *Jurnal Analisis Kebijakan Pertanian*, 25(2), 185-196.
- Surplus, Y. (2018). Rantai Pasokan Beras di Indonesia: Tantangan dan Peluang Peningkatan Efisiensi dan Efektivitas. *Jurnal Kebijakan Pertanian*, 12(1), 1-10.



- Suwarno, A., Syukur, M. A., & Hakim, A. (2018). Analisis Sistem Value Chain Beras di Indonesia: Studi Kasus di Kabupaten Subang. *Jurnal Agrikultur dan Bisnis*, 33(2), 111-122.
- Szabo, N. (1997). Smart Contracts: Formalizing and Securing Relationships on Public Networks. *First Monday*, 2(9).  
<https://www.fon.hum.uva.nl/rob/Courses/InformationInSpeech/CDROM/Literature/LOTwinterschool2006/szabo.best.vwh.net/idea.html> [Diakses pada 29 Maret 2024].
- Tempo.co. (2017, July 27). Kasus beras Maknyuss, polisi tetapkan bos PT IBU jadi tersangka. <https://nasional.tempo.co/read/896418/kasus-beras-maknyuss-polisi-tetapkan-bos-pt-ibu-jadi-tersangka> [Diakses pada 12 Agustus 2024].
- Thailand Policy and Strategy Office (TPSO). (2023). Thailand Rice Blockchain Pilot Project. <https://coinvestasi.com/berita/thailand-gunakan-blockchain-untuk-distribusi-beras> [Diakses pada 29 Maret 2024].
- The Investopedia Team. (2024, May 11). What Does Proof-of-Stake (PoS) Mean in Crypto? Investopedia. Reviewed by D. Clemon, Fact checked by S. Kvilhaug. Retrieved from <https://www.investopedia.com/terms/p/proof-stake-pos.asp> [Diakses pada 15 Mei 2024].
- The Jakarta Post. (2017, July 25). Producer denies any wrongdoing in its premium rice. <https://www.thejakartapost.com/news/2017/07/25/producer-denies-any-wrongdoing-in-its-premium-rice.html> [Diakses pada 13 Agustus 2024]
- Tian, F. (2016). An agri-food supply chain traceability system for China based on RFID & blockchain technology. 11th International Conference on Service Systems and

Service Management (ICSSSM), 1-6.

<https://doi.org/10.1109/ICSSSM.2016.7538424>

Tripoli, M., & Schmidhuber, J. (2018). Emerging opportunities for the application of blockchain in the agri-food industry. Food and Agriculture Organization of the United Nations (FAO). Retrieved from

<http://www.fao.org/3/ca1335en/CA1335EN.pdf> [Diakses pada 14 Juli 2024]

Tsui, S. F. L., & Bourque, S. (2014). A lawyer's introduction to smart contracts. Poland: Scientia Nobilitat.

Vasin, P. (2014). BlackCoin's Proof-of-Stake Protocol v2. Retrieved from <https://blackcoin.org/blackcoin-pos-protocol-v2.pdf> [Diakses pada 15 Mei 2024].

Wang, S., Ouyang, L., Yuan, Y., Ni, X., Han, X., & Wang, F.-Y. (2019). Blockchain-enabled smart contracts: Architecture, applications, and future trends. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 49(11), 2266-2277. [Doi: 10.1109/TSMC.2019.2895123]

WFP. (2022). Food Security Brief: Indonesia. World Food Programme.

Wimmer, R. D., & Dominick, J. R. (2011). Mass media research: An introduction (9th ed.). Wadsworth Publishing Company. (Chapter on Interpretivism)

Winarto, Y. (2016). Struktur Pasar Beras dan Kesejahteraan Petani: Sebuah Analisis Empiris di Kabupaten Bantul, Yogyakarta. Jurnal Agribusiness, 20(1), 1-12.

World Bank. (2023). Blockchain for agriculture: Opportunities and challenges. <https://www.worldbank.org/en/programs/competitiveness-for-jobs-and-economic-transformation/brief/mobilizing-blockchain-value-chain-financing> [Diakses pada 29 Maret 2024].

- Wulandari, C. A., Nuraeni, A., & Arifin, Z. (2020). Faktor-Faktor yang Mempengaruhi Kepuasan Konsumen terhadap Beras di Indonesia. *Jurnal Manajemen Agroindustri*, 11(1), 43-52.
- Viriyasitavat, W., & Hoonsopon, D. (2019). Blockchain characteristics and consensus in modern business processes. *Journal of Industrial Information Integration*, 13. <https://doi.org/10.1016/j.jii.2018.07.004>
- Wang, S., Ouyang, L., Yuan, Y., Ni, X., Han, X., & Wang, F. Y. (2019). Blockchain-Enabled Smart Contracts: Architecture, Applications, and Future Trends. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 49(11), 2266–2277. <https://doi.org/10.1109/TSMC.2019.2895123>
- Wust, K., & Gervais, A. (2018). Do you need a blockchain? *Proceedings - 2018 Crypto Valley Conference on Blockchain Technology, CVCBT 2018*, 45–54. <https://doi.org/10.1109/CVCBT.2018.00011>
- Yin, R. K. (2018). *Case Study Research and Applications*. Sixth Edition.
- Zheng, Z., Xie, S., Dai, H., Chen, X., & Wang, H. (2017). An Overview of Blockchain Technology: Architecture, Consensus, and Future Trends. *Proceedings - 2017 IEEE 6th International Congress on Big Data, BigData Congress 2017*, 557–564. <https://doi.org/10.1109/BigDataCongress.2017.85>