REFERENCES

- Abeyratne, S.A. and Monfared, R.P., 2016. Blockchain ready manufacturing supply chain using distributed ledger. International Journal of Research in Engineering and Technology, 05(09), pp. 1-10.
- Advantages & disadvantages of Blockchain technology. Blockchain Technology. (2016, November 23). Retrieved May 16, 2022, from https://blockchaintechnologycom.wordpress.com/2016/11/21/advantages-disadvantages/
- Agrawal, T. K., Kumar, V., Pal, R., Wang, L., & Engineering, 154, 107130.

 https://doi.org/10.1016/j.cie.2021.107130
- Ahmed, I., Shilpi, & Amjad, M. (2018). Blockchain Technology A Literature Survey. International Research Journal of Engineering and Technology (IRJET), 05(10), 1490–1493.
- Aung, M. M., & Chang, Y. S. (2013). Traceability in a food supply chain: Safety and Quality Perspectives. *Food Control*, *39*, 172–184. https://doi.org/10.1016/j.foodcont.2013.11.007
- Badila, G., Janine, Masurkar, S., & Al Mahri, F. Q. (2019). FINAL REPORT SUPPLY CHAIN MANAGEMENT PROJECT.
- Bischoff, O., & Seuring, S. (2021). Opportunities and limitations of public blockchain-based supply chain traceability. *Modern Supply Chain Research and Applications*, *3*(3), 226–243. https://doi.org/10.1108/mscra-07-2021-0014
- Blockchain in food industry: Food Traceability and safety. 101 Blockchains. (2022, March 14).

 Retrieved May 12, 2022, from https://101blockchains.com/blockchain-in-food/#:~:text=Nestl%C3%A9,OpenSc%20on%20the%20pilot%20project.
- B. M. A. L. Basnayake and C. Rajapakse, "A Blockchain-based decentralized system to ensure the transparency of organic 14 Scientific Programming food supply chain," *in*

- Proceedings of the 2019 International Research Conference on Smart Computing and Systems Engineering (SCSE), pp. 103–107, IEEE, Colombo, Sri Lanka, 28 March 2019.
- Cahyaningratri. (2022). [Personal Interview]
- Casado-Vara, R., Prieto, J., la Prieta, F. D., & D., & M. (2018). How blockchain improves the Supply Chain: Case Study Alimentary Supply Chain. Procedia Computer Science, 134, 393–398. https://doi.org/10.1016/j.procs.2018.07.193
- Center for Drug Evaluation and Research. (n.d.). *Graphic a drug supply chain example*. U.S. Food and Drug Administration. Retrieved April 23, 2022, from https://www.fda.gov/drugs/drug-shortages/graphic-drug-supply-chain-example
- Cole, R., Stevenson, M., & Aitken, J. (2019). Blockchain technology: Implications for Operations and Supply Chain Management. Supply Chain Management: An International Journal, 24(4), 469–483. https://doi.org/10.1108/scm-09-2018-0309
- Contributor, T. T. (2005, April 5). What is system? definition from whatis.com.

 SearchWindowsServer. Retrieved May 11, 2022, from https://www.techtarget.com/searchwindowsserver/definition/system
- Council of Supply Chain Management Professionals. (2009). Supply Chain management/logistics management definitions. [Online] Available: http://www.cscmp.org/Website/AboutCSCMP/Definitions/Definitions.asp. (April 22, 2022)
- Demestichas, K., Peppes, N., Alexakis, T., & Adamopoulou, E. (2020). Blockchain in agriculture traceability systems: A Review. *Applied Sciences*, 10(12), 4113. https://doi.org/10.3390/app10124113
- Develop, govern and operate your business network with the IBM Blockchain Platform. IBM developer. (n.d.). Retrieved May 22, 2022, from https://developer.ibm.com/tutorials/cl-ibm-blockchain-platform-develop-govern-operate-your-business-network/
- European Parliament and of the Council. 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and

- laying down procedures in matters of food safety. In Social Journal of the European Union 31; European Parliament Regulation (EC) No 178/2002; European Parliament and of the Council: Brussels, Belgium, 2002; pp. 1–24.
- Feng, H., Wang, X., Duan, Y., Zhang, J., & Zhang, X. (2020). Applying blockchain technology to improve agri-food traceability: A review of development methods, benefits and challenges. *Journal of Cleaner Production*, 260, 121031. https://doi.org/10.1016/j.jclepro.2020.121031
- Galvez, J. F., Mejuto, J. C., & Simal-Gandara, J. (2018). Future challenges on the use of blockchain for food traceability analysis. TrAC Trends in Analytical Chemistry, 107, 222–232. https://doi.org/10.1016/j.trac.2018.08.011
- Garaus, M., & Treiblmaier, H. (2021). The influence of blockchain-based food traceability on retailer choice: The mediating role of trust. *Food Control*, *129*, 108082. https://doi.org/10.1016/j.foodcont.2021.108082
- Getting started with Blockchain. IBM. (n.d.). Retrieved May 22, 2022, from https://www.ibm.com/blockchain/getting-started
- Grant, D., Lambert, D., Stock, J., & Ellram, L. (2006). Fundamentals of Logistics Management, European Edn. Berkshire: McGraw-Hill Book Co.
- Golosova, J., & Romanovs, A. (2018). The advantages and disadvantages of the blockchain technology. 2018 IEEE 6th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE). https://doi.org/10.1109/aieee.2018.8592253
- Harrison, A., & van, H. R. I. (2011). *Logistics Management and Strategy: Competing through the supply chain* (4th ed.). Pearson/Financial Times Prentice Hall. Page 7; paragraph 1-2
- How does a transaction get into the blockchain? Blockchain Explained: How does a transaction get into the blockchain? | Euromoney Learning. (n.d.). [ONLINE] Retrieved April 4, 2022, from https://www.euromoney.com/learning/blockchain-explained/how-transactions-get-into-the-blockchain
- IBM blockchain platform IBM Blockchain. IBM. (n.d.). Retrieved May 21, 2022, from https://www.ibm.com/blockchain/platform

- Ibm. (2019, December 23). *Platform FAQ: IBM blockchain: IBM*. Your top enterprise blockchain questions... answered. Retrieved May 21, 2022, from https://www.ibm.com/blockchain/resources/platform-faq/#section-5
- Islam, S., & Cullen, J. M. (2021). Food Traceability: A generic theoretical framework. *Food Control*, 123, 107848. https://doi.org/10.1016/j.foodcont.2020.107848
- Jabbar, S., Lloyd, H., Hammoudeh, M., Adebisi, B., & Raza, U. (2020). Blockchain-enabled Supply Chain: Analysis, challenges, and Future Directions. *Multimedia Systems*, 27(4), 787–806. https://doi.org/10.1007/s00530-020-00687-0
- Janse, A. (2022). [Personal Interview]
- Kshetri, N. (2017). Blockchain's Roles in Meeting Key Supply Chain Management Objectives.

 International Journal of Information Management, 39, 80–89.

 https://doi.org/10.1016/j.ijinfomgt.2017.12.005
- Kumar, M. P., Raju, N. V. S., & Kumar, M. V. S. (2016). Quality of Quality Definitions An Analysis. *International Journal of Scientific Engineering and Technology*, 05(3), 142–148. https://doi.org/doi:10.17950/ijset/v5s3/304
- learnerlearner 144 bronze badges, & Yserbius Yserbius 1. (2018, February 18). *How to modify the stored data in a block chain?* Stack Overflow. Retrieved May 12, 2022, from https://stackoverflow.com/questions/48848668/how-to-modify-the-stored-data-in-a-block-chain#:~:text=One%20of%20the%20foundations%20of,there%20has%20been%20a%20change.
- Lin, I.C., Liao, T.C.: A survey of Blockchain security issues and challenges. Int. J. Netw. Secur. 19(5), 653–659 (2017). https://doi.org/10.6633/ijns.201709.19(5).01
- Longo, F., Nicoletti, L., Padovano, A., d'Atri, G., & Discrete, M. (2019). Blockchain-enabled Supply Chain: An experimental study. Computers & Discrete Engineering, 136, 57–69. https://doi.org/10.1016/j.cie.2019.07.026

- Masudin, I., Ramadhani, A., & Restuputri, D. P. (2021). Traceability system model of Indonesian food cold-chain industry: A COVID-19 pandemic perspective. *Cleaner Engineering and Technology*, *4*, 100238. https://doi.org/10.1016/j.clet.2021.100238
- Musamih, A., Salah, K., Jayaraman, R., Arshad, J., Debe, M., Al-Hammadi, Y., & Ellahham, S. (2021). A blockchain-based approach for drug traceability in Healthcare Supply Chain. *IEEE Access*, *9*, 9728–9743. https://doi.org/10.1109/access.2021.3049920
- Nasiri, M., Ukko, J., Saunila, M., & Rantala, T. (2020). Managing the Digital Supply Chain: The role of smart technologies. *Technovation*, 96-97, 102121. https://doi.org/10.1016/j.technovation.2020.102121
- Niranjanamurthy, M., Nithya, B. N., & Jagannatha, S. (2018). Analysis of Blockchain technology: Pros, Cons and swot. *Cluster Computing*, 22(S6), 14743–14757. https://doi.org/10.1007/s10586-018-2387-5
- Ochoa Robles, J., De-León Almaraz, S., & Azzaro-Pantel, C. (2017). Design of experiments for sensitivity analysis of a hydrogen supply chain design model. *Process Integration and Optimization for Sustainability*, 2(2), 95–116. https://doi.org/10.1007/s41660-017-0025-y
- *Process.* Cambridge Dictionary. (n.d.). Retrieved May 11, 2022, from https://dictionary.cambridge.org/dictionary/english/process
- People. Cambridge Dictionary. (n.d.). Retrieved May 11, 2022, from https://dictionary.cambridge.org/dictionary/english/people
- Regent Monitoring, Y. D., & Nurprihatin, F. (2021). Model of quality control station allocation with consider work in process, and defect probability of final product. *Journal of Physics: Conference Series*, 1811(1), 012013. https://doi.org/10.1088/1742-6596/1811/1/012013
 (accessed on 11 March 2022)
- Sarpong, S. (2014). Traceability and supply chain complexity: Confronting the issues and concerns. *European Business Review*, 26(3), 271–284. https://doi.org/10.1108/ebr-09-2013-0113

- Schwägele, F. (2005). Traceability from a European perspective. *Meat Science*, 71(1), 164–173. https://doi.org/10.1016/j.meatsci.2005.03.002
- Septiono, T (2022). [Personal Interview]
- Solutions, W. I. T. (2021, November 10). *Hybrid blockchain: The best of both worlds*. 101 Blockchains. Retrieved May 17, 2022, from https://101blockchains.com/hybrid-blockchain/
- Traceability in Food and Agricultural Products. Available online: http://www.intracen.org/uploadedFiles/ intracenorg/Content/Exporters/Exporting_Better /Quality_Management/Redesign/EQM%20Bulletin%2091- 2015_Traceability_FINAL%2014Oct15_web.pdf (accessed on 15 March 2022)
- Types of blockchain: Public, private, or something in between: Foley & Lardner LLP. Blogs | Manufacturing Industry Advisor | Foley & Lardner LLP. (n.d.). Retrieved May 17, 2022, from https://www.foley.com/en/insights/publications/2021/08/types-of-blockchain-public-private-between#:~:text=1.,and%20validate%20blocks%20of%20data.
- Wang, Y., Han, J. H., & Beynon-Davies, P. (2019). Understanding blockchain technology for future supply chains: A Systematic Literature Review and Research Agenda. Supply Chain Management: An International Journal, 24(1), 62–84. https://doi.org/10.1108/scm-03-2018-0148
- Wegrzyn, K. E., & Wang, E. (2021). *Types of blockchain: Public, private, or something in between: Foley & Lardner LLP*. Blogs | Manufacturing Industry Advisor | Foley & Lardner LLP. Retrieved May 17, 2022, from https://www.foley.com/en/insights/publications/2021/08/types-of-blockchain-public-private-between#:~:text=1.,and%20validate%20blocks%20of%20data.
- Who controls the blockchain? Harvard Business Review. [ONLINE] (2021, August 30). Retrieved April 4, 2022, from https://hbr.org/2017/04/who-controls-the-blockchain
- Wibowo Putro, P. A., Purwaningsih, E. K., Sensuse, D. I., Suryono, R. R., & Kautsarina. (2021). Model and implementation of Rice Supply Chain Management: A literature review. *Procedia Computer Science*, 197, 453–460. https://doi.org/10.1016/j.procs.2021.12.161

- World Health Organization. (n.d.). *Food safety*. World Health Organization. Retrieved January 15, 2022, from https://www.who.int/news-room/fact-sheets/detail/food-safety
- Xue, X., Dou, J., & Shang, Y. (2020). Blockchain-driven supply chain decentralized operations

 information sharing perspective. *Business Process Management Journal*, 27(1), 184–203. https://doi.org/10.1108/bpmj-12-2019-0518
- Yang, L., Zhang, J., & Shi, X. (2021). Can blockchain help food supply chains with platform operations during the COVID-19 outbreak? *Electronic Commerce Research and Applications*, 49, 101093. https://doi.org/10.1016/j.elerap.2021.101093
- Yang, M., Fu, M., & Zhang, Z. (2021). The adoption of digital technologies in supply chains: Drivers, process and impact. *Technological Forecasting and Social Change*, *169*, 120795. https://doi.org/10.1016/j.techfore.2021.120795
- Yuan, C., Wang, S., & Yu, X. (2020). The impact of food traceability system on consumer perceived value and purchase intention in China. *Industrial Management & Data Systems*, 120(4), 810–824. https://doi.org/10.1108/imds-09-2019-0469