

**BLOCKCHAIN IN SUPPLY CHAIN:  
CASE STUDY OF LOTTEMART CIPUTAT**

By

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### STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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## ABSTRACT

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Current supply chain methods are having difficulties in resolving problems arising from the lack of trust in supply chains. The root reason lies in three challenges brought to the traditional mechanism: self-interests of supply chain members, information asymmetry in production processes, costs and limitations of quality inspections. Blockchain is a promising technology to address these problems. The key objective of this paper is to present qualitative analysis for blockchain in supply chain as the decision-making framework to implement this new technology. The analysis method used Val IT business case framework, validated by the expert judgements. The further study needs to be elaborated to either the existing organization that use blockchain or assessment to the organization will use blockchain to improve their supply chain management.

*Keywords: Supply Chain; Blockchain; Val IT*



## DEDICATION

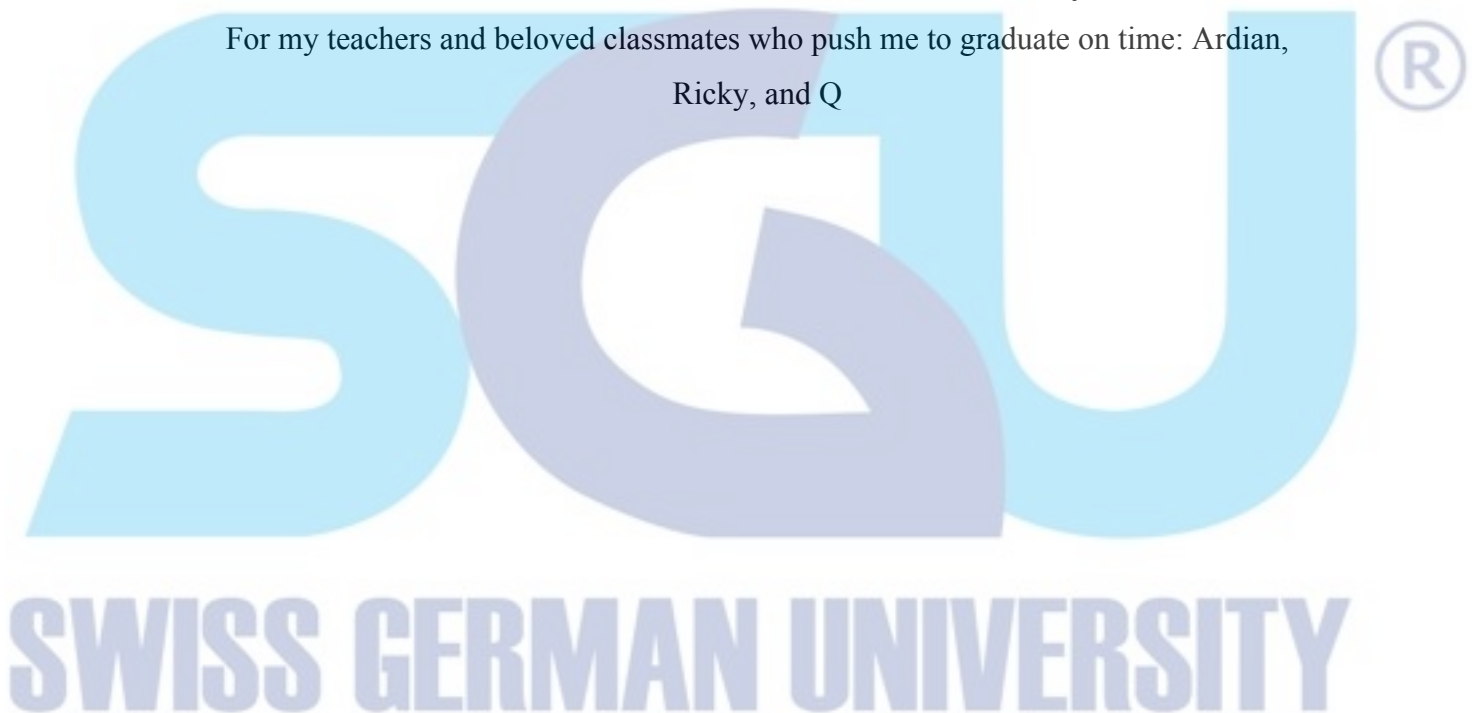
I dedicate this works to God Almighty my creator, my strong pillar, my source of  
inspiration

For the future of the country I loved: Indonesia

For the companies I honored: Ritase.com and Lottemart Wholesale Indonesia

For the school I honored: Swiss German University

For my teachers and beloved classmates who push me to graduate on time: Ardian,  
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