A Structured Blockchain for Green Supply Chain and Logistics: Sky Handling Partner as a Case Study in Sierra Leone

Thesis

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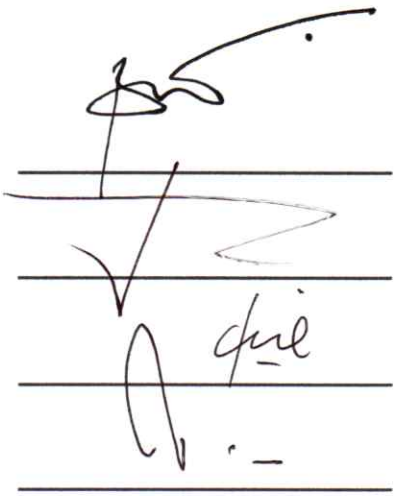

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Abstract

A Structured Blockchain for Green Supply Chain and Logistics: Sky Handling Partner as a Case Study in Sierra Leone. By: Alhaji Sheku Sankoh. NIM: 4030120419030. Master of Business Administration, Universitas Diponegoro

The evolution of blockchain started a few decades ago as part of the effort to promote competitive and reliable digital transformation in the area of logistics and supply chain. This has further evolved due to convergence of several technologies ranging from database programming, right through to digital communications including embedded systems. As a result thereof, blockchain environments are highly developed.

In this research, a framework known as “UAMBNPP Blockchain Framework” is design for SHP-SL in order to incorporate green supply chain and logistics through the adoption of green technologies to enhance business growth and competitive advantages.

Owing to the hustling of several logistics businesses embracing green technologies particularly in the supply chain and logistics market, modern values are used for the optimization of competitive business in the aspect of established trade. In order to increase the chances of success, in the circumstance where trade logistics and supply chain challenges exist, the intervention of efficient blockchain frameworks are required for logistic and supply chain. Even though there are other hindering factors, the standards of green supply chain and logistics within Blockchain frameworks needs to be continually improve and adopted.

The integration of such technological framework within SHP-SL business environment introduces a dynamic uturn for competitive business growth and hence attract more logistics and supply chain confidence and successful business advantages and growth. Based on this reasons, ensuring a secured health and communication environment between reliable green equipment is essential to protect the exchange of information within this business.

Focusing on this framework and taking into consideration the business characteristics of blockchain based technological environments, this thesis shows a secure, reliable and distributed framework for green resource management via blockchain environment. This proposed framework enabled by UAMBNPP blockchain is not only dynamic but efficient and can yield better competitive advantage.

Key words: UAMBNPP Blockchain, Framework, Competitive Advantage, Trust, WoT.