

Transparency of Covid 19 Vaccine Distribution Using Block Chain Technology

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Abstract

The number of victims of the COVID-19 virus that continues to increase requires effective prevention efforts. One of the factors that can reduce the number of victims of the COVID-19 virus is vaccination for citizens, which is supported by an even distribution of vaccines to all regions in Indonesia. But currently the distribution process is experiencing problems due to abuse of authority by vaccine distributors and the uneven distribution of vaccines. This problem arises because there is no system that can monitor the distribution of vaccines comprehensively which covers all the weaknesses mentioned above. Meanwhile, blockchain is a system that provides a high level of security that can protect transactions in it. The purpose of this research is to help the government build a system that monitors the distribution of vaccines as planned. The result of this research is a model for controlling the distribution of the COVID-19 vaccine using block chain technology. The research method uses a qualitative approach through observation and literature review to identify problems and alternative solutions.

Keywords

Distribution, Vaccine Covid-19 and Blockchain.

Biographies

Inayatulloh SE.MMSI,CDMS.CSCA is a lecturer at Bina Nusantara University, School of Information System Jakarta Indonesia and also a doctoral candidate of computer science, experienced in managing systems in the retail, automotive, convection and education industries. research domain in e-learning, e-business, e-commerce, cloud computing, IoT and block chain technology.

Destiana Kumala, S.kom, M.M., C. HR. Adm. Completed Bachelor of Information Systems Education (2009) and Master of Management with a concentration on Human Resources (2012), besides that the author has also completed training in Human Resources Administration (2021). Currently active as a permanent lecturer at STEBIS Bina Mandiri Cileungsi in the sharia business management study program and focuses on the field of management science. Apart from being the vice chairman of the academic field, the author is also a researcher in the fields of economics, management, and computers