





EMAIL: firdausza@ump.edu.my

CO-INVENTORS: Yong Yew Khen, Ts. Dr. Mohd Faizal Ab Razak, Dr. Wan Isni Wan Sofiah, Dr. Zamri Osman, Che Akmal Che Yahaya









Product Background

Organ donation information is importance to save someone's life. It is because the timeliness of the data will help patient to find suitable organ faster. Besides that, the data must consistence and accurate among the data communication process. Therefore, decentralized data storage is the most suitable way to store the data because of the characteristics of the storage. The Organ Management System nowadays is using client-server system. This kind of system is storing data in server means that if the server is failure, the data will be lost and hard to recover back. This project is proposing a blockchain based organ donation management system in order to fix the problem of clientserver system.

Problem Statement

- 1) Challenge faced to maintain the data integrity of the organ donation.
- 2) The feasibility of implementation of decentralized database to organ management system.

Objectives

- 1) To study the concept of Blockchain Technology.
- 2) To develop an Organ Donation Management System using Blockchain Technology.
- 3) To evaluate and test the system to make

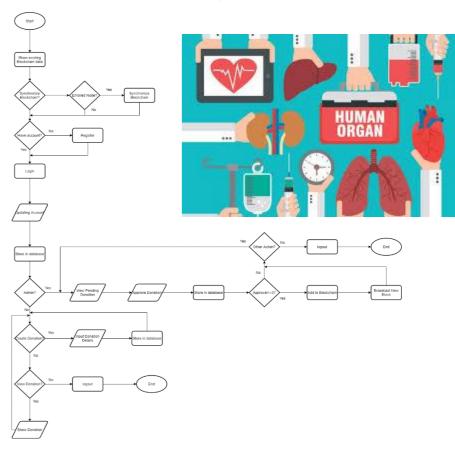
Scope

- 1) Blockchain technology is implemented to store the organ donation data to make sure the data in blockchain network is always up to date within local network.
- 2) Targeted user is staff in hospital, donor, and staff related to organ transplantation

Conclusion

In conclusion, the system have successfully implement the blockchain technology within local network, which means that the system is able to perform decentralized database.

Flow chart of methodology



Result

