

ABSTRACT

Blockchain technology provides various potential benefits in many different industries, one of them including the healthcare industry. With its decentralized database system, it can solve many database issues of the current centralized database system. Although much previous research has found out the potential benefits of blockchain implementation in healthcare, there are still several challenges it faces and needs to be addressed. One of the various challenges is the lack of data standardization, in which data should be stored, how to classify them, and who can gain access to them. Therefore, this research aims to provide the solution to this problem by creating a data metrics of data access requirement that contain a list of data elements, stakeholders involved in a general view, as well as the conditions and arguments on how the stakeholders can access the data elements. An interview is conducted with someone who has the knowledge and experience of blockchain implementation in the healthcare industry in the Netherlands to gain insights into the current implementation and review of the data metrics proposed. The result of the research suggests that the data metrics is a great set of information and can be a starting point to solve the lack of standardization issue, despite that it still requires further deep research in the future.