ANALISIS DAN IMPLEMENTASI KONTROL AKSES PADA WEB BERBASIS BLOCKCHAIN

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Abstract
Access control is a crucial and important component in system security. Commonly used to protect important data or a sensitive action. One of them is the use on the web application. In access control there are two components, namely authentication and authorization. Authentication is used for security methods in verifying users. Then, Authorization is used to set permissions on the web application for the purpose of restricting the access of its users. Storage permissions on the web use many databases. However, there is a risk of using storage on the database, which is a SQL Injection attack. To solve the problem there is a new technology, namely blockchain, blockchain is briefly a distributed database. The advantage of blockchain one of them is that it can prevent SQL Injection attacks. Blockchains do not use SQL-like commands and use hash techniques for data storage security. In this study the storage of access rights will be replaced with blockchain technology. Therefore, the creation of a web application to be built is the setting of access control using blockchain.

Keywords: access control, blockchain, web application