ABSTRACT

Currently, technology is developing very rapidly and many things that are done manually have turned out to be done automatically. Things are starting to change, such as document recording which is starting to change digitally. In addition to document record, tracking a document has also begun to be done digitally to be more accurate when searching for documents. This makes blockchain technology used to simplify document recording and document tracking in today's modern technology.

Therefore, this final project research will focus on designing the backend part of a website-based application that can be used for uploading documents and stored on a blockchain network. This design uses the implementation of the blockchain system because blockchain has many advantages that can make it easier for users. Blockchain is also more secure when storing a document and blockchain is decentralized, transparent, and immutable means that documents in the blockchain system are stored permanently on the blockchain network and cannot be changed or deleted by anyone to maintain their authenticity. This research also combines centralized and decentralized systems where a centralized system can support several features in the application.

It is hoped that from the results of this final project, a website application with a blockchain implementation that is created can solve problems for recording and tracking documents.

Keywords: Blockchain, Document Recording, Document Tracking, Backend Design