

## ABSTRACT

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*The development of technology has now entered a new era. The emergence of digital currencies in addition to conventional currencies that have now been widely around the world is one proof of the creation of innovation called cryptocurrency. Besides the functionality of money as a payment, now financial transactions can also be done with digital technology. One of the transactions in digital currency is sending or receiving coin cryptocurrency like Bitcoin, Ethereum, Dash Coin and many more. Financial transaction carried out in the digital world certainly have their own systems. Masternode is one system that has advantages, especially in applying the blockchain concept that is able to store all transactions and data / information on transactions that have been stored can be accessed by everyone (who is in the network). Therefore, this final project will show a masternode simulation on cryptocurrency, starting from how the flow of each block is created and how each transaction occurs, also Herbcoin masternode installation steps. This simulation was built using the ADDIE model workmanship method and displayed using Adobe Flash. This simulation is expected to show how masternode works and its relation to cryptocurrency.*

*Keywords: Simulation, Cryptocurrency, Masternode*