ABSTRACT

COMPARATIVE ANALYSIS OF THE ALGORITHM RIJNDAEL AND TWOFISH ALGORITHM TO PROCESS TEXT DATA TRANSMISSION USING THE LAN NETWORK

By

Ridhky Oktavian Pradana

10107364

The problems of security and secrecy is one important aspect of a message, data or information. Where truth and originality of the information is very important both at the time of delivery or at the time the information is received. Messages, data, or information will not be useful anymore if at the time of delivery information is intercepted or hijacked by people who unauthorized or not interested .

Focusing on that problem it will try to compare two cryptographic algorithms there are the algorithm Rijndael and Twofish algorithms. Where each algorithm has advantages and disadvantages of doing encryption and decryption process of data and the time of the process, therefore it will be the comparison of the two algorithms on the network Local Area Network (LAN) on your computer to find out which one is the fastest algorithm in the process text data security through a network of Local Area Network (LAN).

Based on the test results, a system built can facilitate and expedite the security process of a data or information which is very important, where users can make delivery of such information securely without the worry will be tapped or hijacked by unauthorized persons.

Keywords: algorithm, Rijndael, Twofish, Data Delivery