

ABSTRACT

The secure of information is being a crucial thing in this era. Then many people work hard to secure the information during communication.

This final project discuss about the security in sending data use encryption algorithm. The algorithm which is used is Advanced Encryption Standard (AES) and Data Encryption Standard (DES). The purpose of use these algorithms is to compare the performance of these algorithm in encryption time, decryption time, time to find the key of encryption, and avalanche effect.

The implementation of design is provided in software use Delphi.6 language program. Personal Computer (PC) which has installed this software can communicate one another in Local Area Network (LAN).