ABSTRACT

SMS is a frequently used service society to share information from the sender to the receiver through a provider. In the delivery of a message can be in or near the manipulation by hackers. Because it takes a message security system which is usually called Cryptography . Cryptography to encrypt a message so that it is not in the know of others.

In this final project designed a SMS application by using encryption and decryption algorithms blowfish and triple DES in the android smartphone. A text message will be encrypted using the blowfish algorithm, then the message will be encrypted with the triple DES algorithm, and send SMS to the recipient.

Blowfish and triple DES algorithm had implemented in on android smartphone is expected to encrypt SMS before. it is sent and decrypts sms when received. By using double encryption security SMS became more secured and encryption and decryption time does take a long time as well as the value of the Avalanche Effect is good. This application can be used to send the message text.

Keyword: SMS, cryptographic, android, blowfish algorithm, triple DES algorithm