ABSTRACT

Development in telecomunication technology at the moment have altered the way society in communicating. At this present day, have a lot of society doing communications by using Mobile Seluler one of them is communications by using system of Messaging Service. Messaging Service expand from SMS become EMS and now MMS. SMS only able to deliver message in the form of text, EMS have supported delivery image, while MMS support delivery order in the form of text, image, voice, and video. In message delivery conducted the consumer of Mobile Seluler to this time, writer have a notion that still the lack of delivery security in delivery message or data information to be delivered, possibility of tapped message or data information enough big relative.

Pursuant to growth in The Messaging Service hence in this final task writer try to develop a security system at messaging service. Security system to be made is cryptography message or data information to be delivered, for the this final task writer major system to cryptography that is Multimedia Message Service (MMS). System will be encryption of message or data information in the form of MMS sender, then be accepted by receiver afterwards the receiver conduct decription MMS which have been sent. Algorithm cryptography use is AES (Advanced Encryption Standard) that is algorithm developed by Rijndael.

Based on the analysis taken, it is proven that size MMS have take effect for encryption and decryption process of MMS. More bigger size of MMS can made a long time for process.

Keyword : mobile seluler, Multimedia Message Service (MMS), kriptografi , encryption, decryption