

ABSTRACT

Along to growth of technology, the awareness of consumer of information media to pay attention data security more and more to mount. Especially for secret data. Data Information make a move in a network traffic freely, when they are sent to receiver. We will never know how many intruders try to get secret data. They even try with many kind of ways. Including crack the data from network.

Many Short Message Service users don't know wether SMS is not safe. Conducive parts which enable to read the SMS are SMSC and MSC. So, the sent messages trough SMS is not safe. This final project describes an application of chaotic cryptography to encrypt SMS text. Chaotic cryptography has characteristic of randomness and unpredictable. These characters will support more secure communication. Both encryption and decryption are using chaotic method.

After this chaotic generator is implemented into mobile phone, the precision no longer in accurate level. This is caused by limitation of J2ME programming which does not support floating point implementation.

Key words : Chaotic cryptography, SMS, Randomness, Unpredictable, Encyption, Decryption