Abstract

Internet have become to the part of everyday life as one of communications means in business and also for person. But in the reality internet not too peaceful because representing public communications media able to be used by whoever so that very gristle to information tapping by sides which have no business know the information. One of the way of used to get this secret information security guarantee is by encoding information content become a codes which do not understand so that if tapped hence difficulty will to know information content which in fact.

In this final duty will analyse the performa of algorithm of kriptografi Elgamal which is implementation in different operating system, that is Windows XP and Ubuntu seen time required for the process of enkription and process of dekription, and also file size measure after process of enkription.

The test-drive in the reality time required for the process of forming the key, encryption process, and decryption process quicker if implementation in Windows XP compared to implementation in Ubuntu.

Keywords: cryptography, ElGamal, encryption, decryption, Windows XP, Ubuntu.