

APLIKASI PENGAMANAN DOKUMEN MENGGUNAKAN ALGORITMA KRIPTOGRAFI ASIMETRIS RSA DAN ELGAMAL

Syaiful Efendi – Ilham, S.Kom., M.Kom., Misbah, ST., MT.

Jurusan Teknik Informatika, Fakultas Teknik, Universitas Muhammadiyah Gresik

Jl. Sumatera No 101, Gresik 61121, Jawa Timur, Indonesia

Email: efendi18@ymail.com

ABSTRACT

Advances in computer technology and telecommunications like a double-edged sword. On one side we are facilitated with the technology, but the other aspects of crime by using this technology have also increased. For example a lot of information or data belonging to a company that can only be known by certain people in the company to the security of the data used must be guaranteed within certain limits.

The method can be used to secure the data or documents by means of encryption and decryption one of which is the RSA algorithm and ElGamal algorithm.

This document security applications created using Visual Basic programming language and the results from this application can encrypt the document and can restore it to the original document with an average accuracy 85.57%.

Keyword : Encrypt, Decrypt, RSA, ElGamal