

ABSTRACT

ELGAMAL ALGORITHM IMPLEMENTATION FOR ENCRYPTION AND DECRYPTION BASED ON WEB

The large number of Internet tapers and crimes that occur today with the development of technology makes people easily access the internet makes a lot of opportunities to commit crime. Data security is something everyone wants to keep privacy. To maintain the security of the document data can be applied cryptographic algorithm so avoid the interruption, interception, modification, and fabrication. One of the algorithms that can be used is the algorithm ElGamal cryptography because many studies that use this algorithm. The security of the ElGamal algorithm lies in the difficulty of calculating the discrete logarithms of large prime modulo so that attempts to solve this logarithmic problem become difficult to solve thus the document data will remain intact.

Keywords: cryptographic, ElGamal, interruption, interception, modification.