

Abstract

RSA algorithm is one of asymmetry cryptography where the encryption key is different from decryption key. The problem of the RSA cryptosystem is that the size of a file is quite large. Large files can be compressed by the compression process. This final project proposed Huffman Algorithm to be used to compress RSA ciphertext. Huffman coding algorithm is similar to Morse code where each character (symbol) is only encoded by series of bits. Merger between cryptography algorithm and Based on the experiments, it was proven that the size of RSA ciphertext has been reduced using Huffman Algorithm

Keywords : RSA, cryptography, Huffman, compression.