

Abstract

With Internet connecting almost all computer in the world, make us easier to sending information or sharing data. Information that being send also have secret characteristic. Steganography technique can be a solution to secure secret data or information, by way of hiding information (digital data) to another digital data with the result that present of hidden data or information not make attention.

In this final project writer Implemented and Analys the Steganography technique using Singular Value Decomposition (SVD) for hiding information, which kind of information is image. Blind and non blind are Steganography method been implemented in this final project. Subjective measurement accomplish by counting Mean Opinion Score (MOS) of observer. Objective qualitative measurement accomplish by counting Peak Signal to Noise Ratio (PSNR) of steganographed image and validity of extracted image counted by correlation coefficient and Bit Error Rate (BER). From experiment, non blind method more robust from attack, but if block size of blind method expanded so it's more robust from JPEG compression, it showed by subjective measurement and increased correlation coefficient grade.

Keywords: *steganography, Singular Value Decomposition, blind, non blind, JPEG Compression.*