

Abstract

Steganography is a type of hidden data. Steganography can be done by hiding the data in time domain and frequency domain. *Spread spectrum* can be used to spread the data in frequency domain. *Spread spectrum* method hide the data by spread it in domain frequency by using *Pseudo Random Generator*. *Pseudo Random Generator* used for random the data before it hide in file carrier in frequency domain. To change in frequency domain can be used *Discrete Cosine Transform* (DCT) and *Discrete Wavelet Transform* (DWT). From the result of test got that MP3 steganography using DWT is better than DCT. For a big hidden data, steganography in *speech* audio type of MP3 have better perform than band audio type.

Keywords: *Spread spectrum, pseudo random generator, discrete cosine transform, discrete wavelet transform.*