

## Abstract

Steganography in MP3 file At process of data extraction steganography usually often happened mistake. This is because when sample audio file rewrite into MP3 compress-on happened and many sampel audio data thrown away. To lessen the happening of mistake of extraction result data must conducted process phase shifting. The propose of implementation phase shifting in native audio is for degrade correlation with data signal, so degrade error possibility from To hide it can be conducted by using method spread spectrum. Method spread spectrum hides data by disseminate parenthetic data at frequency domain use Pseudo Random Generator. Pseudo Random Generator to randomize data that will be hidden in file carrier at frequency domain. For change to frequency domain can be used Discrete Wavelet Transform (DWT).. Base testing result is obtained/got that steganography at file carrier MP3 uses phase shifting haves extraction result that better than at without phase shifting..

**Keywords:** *Spread spectrum, psuedo random generator, discrete wavelet transform, phase shifting.*