ABSTRACT

APPLICATION STEGANOGRAPHY OF MIDI FILE BY USING PHASE CODING TECHNIQUE

by

DADANG SUJANA
10103250

Steganography is a science and art studying way of information hiding inside other media in such a way that the existence is not detected by other party which is entitled to the information. First user(message sender) can send media which has been inserted the secret information through public communications line , acceptable finite by second user (message acceptor). The message acceptor can extract the secret of information.

This Final Project, will discuss steganography of MIDI file by using phase coding technique. This technique can be considered as one of media for hiding the secret information of transmitter. The characteristic of midi file which size is relatively smaller compared to other audio file format, make the midi file can be used as a carrier from the secret information, so that wouldn't make any suspiciousness.

The result from the testing, obtained that midi file which inserted by secret of information cannot be detected by other who has not right to the information.

Keyword : Embedding technique, data hiding, Steganography, MIDI, Phase coding, Audio Steganography Technique.