

Abstract

Digital technology now gives you easy to access and distribute information in digital format. One need in the distribution of digital data is a problem of access rights and visibility of data for those interested. One technique that can be used to hide the digital data is to use steganography, in which a digital data will be hidden in other digital data (media) so that the existence of the data is not known by unauthorized persons.

Imperceptibilitas and carrying capacity of a media become one of the studies in the field of steganography. LSB method is one of the traditional methods of doing steganography where this method has peformansi maximum payload of 12.5% with a low level of robustness. Dynamic Methods Cell spreading (DCS) developed by Holger Ohmacht is the development of the LSB.

In this final project development and analysis of steganography system by applying the method of Dynamic Cell spreading (DCS) by analyzing peformansi system in terms of payload, imperceptibility and robustness. The basic concept of DCS is to hide a message into the media picture / image which is changing the message and image files in binary form and made a key insertion with guidelines that have been defined by the user.

Keywords : *Steganography, Dynamic Cell Spreading (DCS), embedding, fidelity, robustness, PSNR*