

ABSTRACT

The development of technology is very rapidly making us enter into a new era of digital era. Digital media is very important in the world of technology. An example of the development of digital media is the presence of digital documents. Digital documents are very useful for everyone because of their ease and effectiveness in terms of use and duplication. Thus, this digital document can be stored and accessed at any time. But from that ease there are always people who abuse the advantages of digital documents such as copyright infringement because digital documents can be easily duplicated. In addition, digital documents such as messages or information are often misused. The impact is a lot of plagiarism that happened. Therefore, it takes a technique to maintain the security and confidentiality of the message or information. One solution is to use steganography techniques.

Steganography is the art of hiding messages in a way that no one knows that there is a secret message in it. Today more and more steganography is used to protect his secret message. Some steganography media are text, audio, image and video. With the development of steganography techniques, the attacks are increasingly diverse. For that, it takes a solution to protect the document from attack one of them using Line-Shift method.

In previous research conducted on line shift method, testing was done to test the image resistance. In this final project, will be tested by doing scenarios on variation of font type, variation of font size, *File* size change and detection of message using feature detection. As a result, the font type does not affect the insertion and retrieval process. But unlike the size of the font that greatly affect the number of lines. More lines will create more inserted messages. The size of the document stego file is reduced after the secret message inserted because the stego document is recreated by Matlab.

Keywords: Steganography, Line-Shift, feature detection, Matlab