

ABSTRACT

Exchange of information at this point is very easy to do. Forms of digital information that can be exchanged in the form of text data, image, and video. Along with these developments, the level of security or confidentiality of data is also getting weaker. People can easily perform data theft, it is necessary for the technique to hide data, with the expectation that confidential data is not known by unauthorized persons.

One technique used to protect information from unauthorized person is steganography. Steganography is a way to protect the information by means of digital data hiding on other digital media so that the existence of confidential information is not known by the human senses. There are many methods for steganography, one of which is the method of least significant bit (LSB). This method will change the LSB bits of the lowest of the cover so that the insertion of steganographic file generated will not be visible changes though have inserted the data.

*In this study has produced a steganography application that can be used for message insertion and extraction processes messages on the video file with **avi** format. of the test results for the insertion process messages on the video going well, because the video was inserted message is not visible difference with the original video, so that security and confidentiality of the message is very safe. In making this steganography application programming language used is the language of java with NetBeans tool.*

Keywords: *Steganography, Insertion Message, Method LSB, AVI video, java*