

ABSTRACT

Exchange of information has improved significantly, it can be seen from the many media used today are digital media, such as the internet. One device that offers easy internet use is Android. Currently android-based smartphones is booming among the people of the world due to the many conveniences it offers. Ease that should give you an advantage for us turned out to have a negative side. For instance the data digitalstealing which send through the internet can be abused by person who are not responsible. With the ease, person can be easily copied, distributed, and/or changed the contents of digital data. Therefore we need a technique that can deal with these issues, especially matters related to copyright label. One technique that can be used is steganography. Steganography is a technique to disguise or hide the data or information (image) into a primary digital data, which is called the the host image, with a specific purpose. There are four different methods of steganography, which is the Least Significant Bit insertion (LSB), Algorithms and Transformation, Pattern Redundant Encoding, Spread Spectrum method.

In this final project has been designed steganography based on android where the method used is Spread Spectrum and implemented on the Android operating system. Android is a Linux-based operating system for mobile phones. With this method the message is encoded and distributed to each frequency spectrum allows.

The research says, steganography system using Spread Spectrum methode give the imperceptibility performance between cover image and stego image is very similar. This conclusion is indicated by the results of 59,153 PSNR and 0,079 value of MSE which is cover image embedded by the secret image with size 16x16 pixels. Robustness performance of the stego image has a value of 0,154 BER it means the bit error that occurs due to changes in the pixels of the stego image is very small. But the system that has been created does not have a good performance when given in the form of attacks such as noise, cropping and compression process. This is proven by the value of the BER in the range of 0,995.

Keywords : *Steganography , Spread Spectrum , Android*