ABSTRACT

The rapid technology development make level security in the system must in

boost. Security a confidential information at this moment are important. A way to

secure is to use encryption. The encryption is one method that serves to secure any

information by making information that cannot read without aid special knowledge.

In the previous research, providing security by aplying steganografy or

encryption In this final assignment want to provide two levels of security. In the first

level to hide the message using steganography techniques in the last bit of biner

image. In the second level the system using 2D cellular automata. Where the result of

the insertion of text into the encrypted image resulting scrambled image.

The result that have been obtain by using 2 level security to the massage to be

sent. The level of security of information transmited is higher make the information

from eavesdroppers massage. LSB Steganography is resistant to Gaussian noise.

Computational time needed to perform image encryption cellular automata method

depend on size of the image.

Keywords: Encryption, Cellular Automata, Steganography

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