

ABSTRACT

In this globalization era, internet crime became one of the most thing to be feared. Sending message through the internet is no longer guarantee the security of data users. Therefore need a security for information access so that message are not easily known by the parties who are not allowed. One of the great technology which is used to prevent unauthorized information access is steganography. Steganography is a technique of communication to hide the data information into the cover or host such as image, video, audio, or text without providing any significant change in the cover/host. Some of the goals of steganography are copyright, feature tagging, confidential communication etc.

The latest technology of data security states that the insertion methods of the secret text message within the cover text or image are developing widely. Some method include : Based format (extra white space, line shifting and word shifting), Random and Statistical Methods, Linguistic Method, etc. these methods have limitations which level of security that are less (not using encryption algorithm), and the degradation rate is low (there is still a gap between cover and stego text).

This final project made the data insertion technique of steganography text message based on steganography model using the latest steganography namely Word Mapping Method (WMM). The main objective of this final project is to hide important information (text message) which it will be inserted to the cover text. The approach used by selecting the position that is embedded in a secret information in a cover text. By using some mathematical function and chart two bits of secret information on the position that have been selected using a specific way. For further security level , the first information encrypted, then planted in a cover text with the minimum gradation and without damaging the cover text. On the receiver side, then the process will be reversed to get the secret message.

Key Word : Steganography, Word Mapping Method, Cover Text, Secret Message, Stego Text