ABSTRACT

Nowadays, appreciation of copyrights has become a hot topic in public. This is related with motivation of the creator to keep producing something. Many piracy of copyrights do not realize the hard work of the creator. The pirates of copyrights really means to make alot of copies from someone's products or creations even they claime the products as their official rights.

This final project gives solution to deal with piracy of someones products. The solution here uses both digital signature technique and steganography. Digital signature is a cryptography technique which goals is to guaranty the originality of data. There are three reasons of the digital signature usability. They are authentication, integrity and non-repudiation. The sender authentication relates with sender identity verification. The originality of information (integrity) relates with the whole content of the information. Non-repudiation means a lot so that the sender can not deny the information sent. Steganography is an art and technique that hides information in a medium so that anybody else would never know the content of information but the receiver.

In this final project, an application would be made to hide the secret information in a medium. The secret information that will be hiden is digital signature of a medium. The medium used as hiden place of digital signature is digital image.

In cryptography technique, digital signature is sent simultaneously with signature former medium in a separated form. In this application, as an indication of image originality, a digital signature and medium should be formed as a united that uses steganography technique. The usability of digital signature as a secret information and an indicator is taken to strengthen the evidence of medium originality.

Keywords : digital signature, steganography.