

Abstract

Steganografi is one of hidden technic. With using human limitation to detect message that not in a text form which easily to see, steganografi hide message in another message can be in the form of text, picture, etc.

Today so many steganografi approach using picture file, audio file, but still rare using this approach at the computer network. In this final assignment, steganografi tehcnic implemented to the network with manipulate header packet like field ip identification from Ip Protocol. The value of IP identification will replace by decimal bits that not more than 2byte, the result from encode and message compressed by algorithm lempel ziv welch.

Communication at computer network can't be avoid from several packet that slip off, so it really needs calibration to check wether the steganografi process at the network fit with the objective of steganografi to hide secret mesage, that can take back.

The result from this testing show from all of secret message sending, all of secret message can take back.

Keywords: Steganography, covert channel, LZW, IP Protokol.