

## ABSTRACT

Steganography is one of the data concealment technique, which can be used to pacify the data in course of its delivery. These days, Steganography not only used for military purpose, but also used in industrial purpose for product authentication and also a lot of other function.

As according to literal meaning as information hiding, Steganography can use assorted media as message cache (secret). In this final assignment, I study the concealment technique at the AVI *video* (\*.AVI). Method used is SSB-4, which is, a replacement technique of the fourth bit. The bit replacement will be conducted to fourth bit blue layer of video host frame. Later then will be analyzed video host quality by MSE, PSNR, and MOS calculation.

The output from this simulation is a AVI *video* (\*.AVI) which have an equal size with its genuine file, and expected to have good quality.

**Keyword: steganografi-message concealment, AVI video, SSB 4 method.**