# *ABSTRACT*

Steganalysis is a science that is carried out to identify whether there is any hidden messages in the data (*file*s). There are many methods that can be done in steganalysis on various domains. Meanwhile, steganography technique that is often used is steganography by using the Least Significant Bit in the spatial domain or the DCT called Jsteg method.

Therefore, in this thesis I will analyze the accuracy of the steganalysis methods in digital image inserted a secret message using JSteg methods and analyzing the method of Chi-square Tests. The analysis will be performed on image *file*s to JPEG or JPG image format.

The best model is the method when using second scheme with a value of α=0.88, which reached 88,65716% accuracy. However, the use of first scheme is better, because the stability of that *p-value*. The highest accuracy using first scheme is when using α = 0.75 and reached 85,37449% accuracy. The highest detection accuracy when using scheme 1, reaching 100% in non-stego images with non-static backgrounds and 33.33% for the static background as well as 100% for both the stego image. However, the time required to pengjian using scheme 1 longer than scheme 2.

**Kata Kunci:** *steganalysis, JSteg, Chi-square Test*