ABSTRACT

The development of technological advancements affects lifestyles that occur in society, for example social media which uses more images as its objects. Because of the many images available, it's difficult to find the image you want to find, that way Image Retrieval is formed as a large scale image capture technique. In everyday life taking pictures already found many examples are Google Images that use a search engine using image data.

Based on these problems, in this Final Project the author discusses the system using the Color Feature and Scale Invariant Feature Transform methods to be able to find the image data. The color feature is the method used for color. Invariant Scale Feature Transform features to support existing algorithms in images. However, the authors do not use separate methods, the methods used in this Final Project combining these two methods to optimize image retrieval.

The expected result in this research is an increase in accuracy in image retrieval data on a large scale, with the expectation of getting a high correlation so that this study can be utilized for further research in the future.

Keywords: *image retrieval, scale invariant feature transform, color feature*.