# Abstract

*Image Retrieval is one area where some information from an image taken based on the features contained in an image. Each image contains some information, such as text documents. The technique can be used to dig information using text, content, or combination of both. Image retrieval based on information from the contents of that image is called Content-Based Image Retrieval.*

*In this final project, which was developed CBIR based on color features, shape, and texture. Color feature is extracted using Color Histogram method which takes advantage of appearance of each color in the images. For the shape feature, is extracted using Moment Invariant. It uses seven invariant moment vector value that is used as a feature vector which is constant with changes in geometry. And for the extracted texture features using Gray Level Difference Vector method, which is a continuation of the method of Gray Level Co-occurrence Matrix.*

*The results showed that each of these feature extraction methods have different performance for each type of image. In research results showed that extraction using texture features, has a uniform performance for all types image. And the merger of these feature do not give better performance value than use individual feature.*

***Keyword** : content based image retrieval, color histogram, moment invariant, gray level difference vector*