

Abstract

Image document retrieving automatically become an important research in which volume of image document via digital media is growing rapidly. This technique is known as Image Retrieval. Image Retrieval technique is a technique used to find images having similar characteristic of the reference image.

There are much techniques available for implementing Image Retrieval. Among much of techniques, a popular technique used is color histogram-based-techniques. Color histogram-based techniques. Color histogram-based technique is a technique using pixel color parameters for comparison between image.

The weakness of the color histogram technique in the implementation of Image Retrieval is this technique only uses pixel color parameters without considering the other parameters. Therefore, to increase the accuracy value in the implementation of Image Retrieval, in this final Project, Non-Binary Weighting method based on color histogram is used. The added parameter is a size of image dimensions. Thus expected to enhance the accuracy value of the Image Retrieval implementation.

The system used in this Final Project tested to implement the Image Retrieval. Conclusion from testing is the Non-Binary Weighting based on Color Histogram method can be applied to Image Retrieval system. By calculating the size of image dimension as parameters, this method can improve the accuracy value of Image Retrieval system implementation.

Keywords: *Image Retrieval, Color Histogram, Non-Binary Weighting, Vector Space Model (VSM), and accuracy.*