ABSTRACT

It's hard to find some images in your folder, because some image didn't have a file name like a normal file usually have, example "IMG_123124", because of that, we can't type any keyword to find an image that we are looking for. Moving from these problems, the authors wanted to provide a solution by creating a desktop-based application that can find your image or similar to your image using image that you choose to be an input. The process that occurs in this application is characteristic Extraction using Grey Level Co-occurrence Matrix (GLCM), color histogram, and then classified using K - Nearest Neighbor (KNN). The combination of Color Histogram, Grey Level Co-occurrence Matrix (GLCM) and K - Nearest Neighbor (KNN) , is expected to give good results to find the image that is similar to the image on your input and has an accuracy rate of 80 % of trials to find the image similar.

Keyword : *Image Processing, K-Nearest Neighbor, Grey Level Co-occurrence Matrix (GLCM), Color Histogram*