

Abstract

Face identification process is an identification process that is being much developed nowadays. One of the things that affects the performance level of face identification is gender classification. Gender classification is a technique used to differentiate a person's gender between man and woman. In this experiment, gender classification was carried out using dataset in the form of man and woman facial images. The method used in this experiment to identify gender is combination of Local Binary Pattern (LBP) as feature extraction and K-Nearest Neighbor (K-NN) as classifier. The accuracy results obtained using these two methods is 82.732% with non-ideal images data and 86.821% with ideal images data.

Keywords: Gender Classification, Local Binary Pattern, K-Nearest Neighbor, Feature Extraction