ABSTRACT

Image spam is one of spamming techniques for sending spam message through image message content. The message will detected as a spam when the system performs data processing with feature extraction. This study uses GLCM as texture-based on image extraction with an output parameter which is contrast, correlation, energy, homogeneity and entrophy. The GLCM output parameters will be the input data for naïve bayes classification process. Naïve Bayes approach used to implement the system that already built to define a set of images into image spam class or non-spam class. Based on this research observations result, known that the system has the average of performance classification f1-measure on 93%.

Keywords: *Image Analysis, Gray Level Co-Occurrence Matrix (GLCM), Naive Bayes classifier*