

Abstract

The present era, many application implementations of biometric technology. One application of biometric technology that is always used by many people is the face recognition system. Recognition of the face of using a computer device help human work become easy. Face recognition help attendance in lectures to be practical. Face recognition based on human features. The author build a system that can recognize the face of students for lecture attendance activities. The feature extraction method used is Multi-scale Block Local Binary Patterns (MB-LBP). The method of SVM Multi Class as a classification method. The results of this study have good system performance on scale parameters = 3 in the amount of 88.125%.

Keywords: Face recognition, Multi-scale Block Local Binary Patterns, SVM Multi Class.