

ABSTRACT

Batik is one of the Nusantara's heritage that has been confessed by the entire world. Since back then. Batik has become a trademark of Indonesian people. Indonesia's regions almost have their own their own batik motive characteristics. Every Batik motives have many kind of meaning and history from that region. For example, in West Java there are some regions that have been known by their Batik motives such as Mega Mendung (Cirebon), Kujang (Cimahi), and Iwak Ketong (Indramayu). Those Batiks have many differences in motive and identity themself. These motive differences that giving inispiration to the author to make system simulation for more acquaint the name of the motive.

In designing this application is Android Platform featured. The process that have been done by taking batik motive with device then get into Pre-Processing. Feature extraction and Classification method by using Priciple Component Analysis and Support Vector Machine. Final result from this application is giving the statement about name of the batik motive.

The accuracy obtained for batik motive are very diverse. Accuracy value is difficult to be perfect. This is caused batik motive does not has spesific shape. Accuracy that obtained from some testing image with orientation combined only -15°, -10°, 0°, -10°, -15°. Overall, the application accuracy system from testing batik motive is about 91,14%.

Keyword: Batik, Android, Principal Component Analysis, Support Vector Machine