

TELKOM UNIVERSITY

Abstract

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Classification of Handmade and Stamped Batik Based On Pattern Recognition

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Batik is a traditional cloth made by painting motifs with Indonesian culture nuance on plain cloth. It has always been used by the people, from their birth until marriage, even is used for purposes burial. Batik cloth made with philosophy and symbolic meaning. Every region in Indonesia has a characteristic according to the circumstances and character of the man himself. There are three ways to make batik, such as using stamps, handmade, printing. Every type of batik has different types of patterns, and there is a repetition of a pattern and a combination of several patterns. Based on the type of batik, handmade batik has the highest price, and printing batik has the lowest prices. For batik lovers, handmade batik would want to have, but not everyone knows how to characterize the stamps batik and often mistaken in the detection of the type of batik. Thus, only a few people can distinguish the differences between the three types of batik. It is difficult for ordinary people to recognize a batik pattern. The purpose of this research is to developed a method that can classify among handmade and stamped batik. Cosine similarity is used in this research to recognize the pattern and classified handmade or stamps batik. The results of this research is 82% in detecting handmade and stamps batik, then 42,52 % in detecting sum of pattern in stamps batik.

Keyword : classification batik, handmade batik, stamped batik, cosine similarity