# ABSTRACT

*Ulos is shaped Batak woven shawl. This sacred object is a symbol of blessing, love and unity. Ulos means blanket that warms the body and protect it from exposure to cold air. There are still many Indonesian people do not know the name of a very diverse motifs ulos in Indonesia. This research will be grade motifs ulos which are divided into five motifs ulos namely : Ragi Hotang, Sadum, Mangiring, Bintang Maratur, Napinunsaan. To assist the classification ulos motifs, in this research utilized based on digital image processing technology. This research will design a system that is able to perform the classification name ulos diverse motifs by using several steps, namely image acquisition, pre-processing and feature extraction. Feature extraction that is used is the statistical feature extraction methods. The feature extraction parameters will be the input for classification using motifs Ulos Support Vector Machine (SVM). The analysis will be carried out in this study, after the output of the system is a motifs name ulos. Test performed under conditions different distances and angles. Studied distance is 25 cm, 30 cm, 35 cm, and 40 cm. At each corner of the acquisition is the distance taken $5^0$, $10^0$, $15^0$, and $20^0$. Simulation results show that the accuracy rate of 70% is obtained.*

***Keywords:*** *Digital Image Processing, Ulos, Feature Extraction Statistics, Support Vector Machine*