

ABSTRACT

BITMAP-BASED DIGITAL MOTIF DESIGN WITH ULOS WEAVING INSPIRATION

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At this time, digital technology is very helpful for designers in processing the motifs of the industry *fashion*. The processing can be applied to the motifs into sheets of cloth by utilizing *digital software* that uses the basic principles divided into *vector* and *bitmap*. One of the applications used in the process of making motifs is the Adobe Photoshop application. By using the application, *adobe photoshop* we can find new visual potentials from Indonesian culture, one of which is Ulos woven fabric motifs in Indonesia, which are still very rare and even limited to research using applications *vector* and *bitmap*. One of them is the research of Riztia Nilfarisa (2019) and Mentari (2019) which raised Songket Siang fabric from Riau and Cual woven fabric from Bangka Belitung using vector-based applications.

The method used in this study is a qualitative method by conducting a *study literature, observations* that collect data about the design of motifs *digital*-based *bitmap* with the inspiration of Ulos woven fabrics. Then the exploration method is carried out, by carrying out several techniques with the aim of recognizing, mastering, and motif processing techniques as well as determining and analyzing research objects that will be used as exploration by application *adobe photoshop*.

The result of this research is the innovation of the Ulos woven motif by using a technique *pattern repetition symmetry* with a more styling *modern*. Ulos woven motifs have enormous potential when processed using applications *bitmap*. For the composition of the processed Ulos woven motifs, it has details of triangles, lines to isen - isen motifs that are abstract but have high aesthetic value. Likewise, the colors that will be produced are like the colors of the earth element, and the aurora. The results of the visual processing of the woven motif will then be applied to a sheet of cloth, namely Balloteli measuring 200 cm x 110 cm using a digital print technique.

Keywords: Motif, Digital Motif, Ulos Weaving