

## **ABSTRACT**

### ***MOTIF EXPLORATION USING ESCHER ROTATION TECHNIQUE WITH INSPIRATION FROM MADURA BATIK MOTIF FOR FASHION PRODUCT APPLICATION***

By

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*Moving from the previous research conducted by Jeremi Samuel on Motif Processing Using Escher Technique With Inspiration Of Sumba Hinggi Ikat Weaving Ornaments To Be Applied To Ready-to-Wear Clothing, it was found that one of the Escher techniques, namely the rotation technique, has not been processed properly because it requires precision, higher and separate mathematical calculations compared to other techniques, so this can be used as a study for further research. The processing of the Escher rotation technique using non-geometric motifs is carried out using non-geometric shapes as modules and geometric shapes as the result of motif composition. On the other hand, there is one Indonesian literature that also uses non-geometric elements and mathematical principles as one of its compositions, namely Madura Batik cloth. These two things can be used as potential for processing motifs using the Escher rotation technique with the inspiration of Madura batik cloth.*

*This study uses a qualitative method by making visual observations of objects in the Escher rotation technique and also Madura Batik fabrics. The next step is to process the motifs digitally using the Escher rotation technique with the inspiration of Madura Batik cloth.*

*The final result is a variation of the shape of the non-geometric motif module with the final geometric composition in the form of a modification of the Escher rotation technique by utilizing the visual potential of the Madura batik archipelago fabric as an innovation in making fashion products. The purpose of this research is to create innovative motifs as inspiration in the world of art and design, especially for artists and designers.*

**Keywords:** *Motif, Tessellation, Rotation Escher, Batik Madura*