

## ***ABSTRACT***

### ***APPLICATION OF GEOMETRIC PATTERN WITH ZERO WASTE CONCEPT IN WOMEN CLOTHING***

By

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*Zero waste technique is one way to maximize the use of fabric in making clothes. The technique of making zero waste clothing has several classifications of fashion making techniques, one of which is geometric cutting. Geometric cutting is a fashion pattern making technique that uses geometric shapes on clothing patterns such as squares, squares and triangles. This geometric pattern is considered effective in reducing clothing waste because its geometric shape can simplify the process of arranging patterns on the fabric to be used. In this study students will design a fashion collection that has a geometric pattern shape and aims to find and prove what geometric shapes are effective for manufacturing fashion patterns with the concept of zero waste fashion design so that it does not produce much fabric waste during the pre-production process. The research process is carried out by exploring clothes with geometric shapes with square, circle and triangle basic patterns. This research resulted in 6 items of clothing consisting of two (2) dresses, two (2) blouses, and two (2) skirts using a geometric pattern proven to be more able to maximize the use of fabric, the residual waste produced is less than 15% of the fabric area used. This can be a solution for making environmentally friendly fashion pre-production and as a reference for fashion practitioners and the public in Indonesia.*

*Keywords: Clothing, Geometric Pattern, Zero Waste*