

ABSTRACT

EXPLORATION OF ZERO WASTE FASHION WITH SUBTRACTION CUTTING PATTERN FOR MATERIAL/FABRIC OPTIMIZATION: SHIMMER SILK IN WOMEN'S FASHION

By

AURANISA DYAH QONITA

NIM: 1605204039

(Program Studi Kriya Tekstil dan Fashion)

Zero waste fashion is a design approach that aims to minimize waste by applying efficient pattern cutting techniques. One effective method in the concept of zero waste fashion is subtraction cutting, which involves creatively reducing fabric without adding to it, resulting in minimal waste. This research focuses on the application of subtraction cutting technique to optimize the visual appearance of shimmer fabric material using shimmer silk fabric in women's fashion. The research method includes exploration of fashion pattern design, product observation from local brands, and literature study. Three women's fashion pieces were produced using the subtraction cutting technique with the tunnel and plug-in methods. This technique not only reduced waste but also created clothes with optimal, aesthetic, and functional silhouettes. The final research results showed that the application of the subtraction cutting technique could minimize fabric waste to below 15% and produce clothes with a wavy and voluminous visual appearance. The use of shiny shimmer silk fabric requires special attention to fiber direction to ensure the shine and appearance of the garment. This research makes an important contribution to the development of zero waste fashion and can be a reference for academics, students and designers in creating quality and sustainable fashion.

Keywords: zero waste fashion, subtraction cutting, fabric fiber direction, shimmer silk.