

ABSTRACT

UTILIZATION OF DENIM WASTE USING NON-WOVEN TEXTILE TECHNIQUES BASED ON WET FELTING APPLIED TO FASHION PRODUCTS

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Denim is often used as a basic material in the production of fashion products, which remain very popular today. The large volume of production generates waste from fabric scraps, which usually comes from clothing manufacturers and alteration services. One such denim manufacturer, Teddy Collection, does not utilize the production waste and discards it.

This research aims to reduce denim waste by creating new fabric sheets with diverse textures within a single sheet. The method used in this research is the composite technique with wet felting. Referring to previous research and interviews conducted, the application of felting techniques on denim waste can adapt to various types of materials and sizes, making felting the most effective technique for utilizing waste so no denim is wasted.

The results of the research, which included exploration, analysis, and study, show that utilizing denim fiber material with wet felting technique is highly promising. This research produced an exploratory fabric sheet, which was then applied to ready-to-wear women's fashion products.

Keyword: *denim, felting, waste, structure design textile*