

Sustainable Fashion Design of Al-Sadu Fabric by Using Zero Waste

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Abstract:

The aim of this research is to study the possibility of achieving the sustainability of the modern fashion using the traditional Sadu fabric with zero waste, in order to reduce the expected waste and to preserve the traditional Al Sadu craft in the Kingdom of Saudi Arabia, and with combination of the application of the aesthetic and functional aspect in the design process, to generate new ideas that combines both textile design and fashion design to serve the fashion design approach in general.

The research followed the descriptive and experimental approach by analyzing and describe some heritage models of Sadu weaving fabric in the Kingdom of Saudi Arabia, with some experimental designs for different patterns with zero waste of Al-Sadu weaving fabric usinf the specialized three-dimensional softwares to select the best designs that meet the requirements of clients, the research also pays attention to the traditional craft of Al -Sadu weaving fabric which is not much appreciated in fashion before.

The results showed that the craft of Al Sadu was used with functional and aesthetic without compromising its main value, the research approach used the sustainable design process for fashion and the ethical use of craftsmanship, the results indicate that zero waste fashion design approach achieves sustainability and ethical use of traditional crafts.

The research recommended to use zero waste approach in the fashion design curricula, and motivate the designers of fashion and the students to come up with new ideas for craftsmen that include integrating craft with design.

Keywords:

Sustainability, Zero-waste, Al-Sadu, Fashion

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