Enriching Clothes produced using pattern design and laser cutting technology

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Abstract:
The rapid changes in society have brought about technology, sophistication and modernity, and the economic and social changes that have taken place in the world. They have cast a shadow over all aspects of life, including women's clothing, which have had a profound impact on the development of models and designs that are compatible with them. Laser technology in the field of clothing formed a vision by researchers to integrate it with pattern design to enrich women's clothing to provide a range of alternatives and designs for the single piece of clothing by designing the pattern. Models in the market has been conducted and founded that most models were worn in one way, due to the stability of the design of the Pattern, which can’t be changed. The research problem in the following questions: To what extent can the design of the model be used to obtain more than one form of the model through the design of the model? How to take advantage of the design of the form the pattern in the economic rationalization? What are the opinions of the producers in the proposed and implemented designs? What degree of acceptance of consumers and producers of the implemented designs. To what extent the laser beam can be used to develop innovative ideas for the decoration of women's clothing. Objectives: 1. Obtain variety styles of worn appearance through the design of the model. 2. Rationalize the economic aspect in the field of clothing to obtain more than one form of the model through the design of the model (pattern). 3. -Provide modern designs of models (patterns) to meet the acceptance of consumers. 4. Enrich designs implemented using units of discharge and burning laser.

Methodology: Descriptive method was used in this research, in order to prepare the theoretical framework and the previous studies and analysis of the studies related to the subject of the research and its variables, and the experimental method was used to measure the effect of independent variables. Results: The results show that the eighth design obtain the highest percentage (94%) from the point of view of the judges, Followed by the tenth design (91%), It is also show that the second design was (88%), the fifth design was (85%), the second design was (82%), the fourteenth design was (79%), the fourth (78%), the first and third designs (76%), the Thirteenth (75%), the sixth (73%), the ninth design (70%), the seventh (67%), and the eleventh design obtained the lowest percentage (64%), for the proposed designs.

Keywords:
Designing forms, Pattern Design, Laser cutting technology, Laser Cutting Technology, Clothing, Clothes

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