

Building a color management system in industrial facilities producing clothing

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Abstract:

Color is one of the important elements in design and the most exciting. The world of fashion and fashion cannot be imagined without colors, Few people are born with the gift of discernment and honest judgment on colors and their taste, but relying on this talent alone leads to repetition and boredom.

The research problem is the following questions:

- 1- What is the possibility of a color management system working in industrial establishments?
- 2- What are the opinions of specialists in analyzing some pictures of landscapes to extract color groups and their degrees?
- 3- What are the opinions of specialists in employing color groups in designs of embroidered and printed clothing and textiles?

research aims:

- 1- Creating a color management system in industrial establishments producing clothing.
- 2- Determining the degree of acceptance of specialists to analyze some pictures of landscapes to extract color groups and their degrees.
- 3- Determining the degree of acceptance of specialists in employing color groups in designs of embroidered and printed clothing and textiles.

This research follows the descriptive analytical method in addition to the applied study.

Results and discussion:

- 1 -The color management system in the industrial facilities producing clothes in the first axis obtained a quality factor of 94.00%, which indicates the existence of statistically significant differences between the opinions of the sample members in deducing the color groups resulting from the analysis of some pictures of landscapes. Thus, to prove the validity of the first hypothesis.
- 2 -The color management system in the industrial facilities producing clothes in the second axis obtained a quality factor of 96.67%, which indicates the existence of statistically significant differences between the opinions of the sample members in employing color groups in the designs of embroidered and printed clothing and textiles. Thus, to prove the validity of the second hypothesis.
- 3 -The color management system in the industrial establishments producing clothing obtained a quality factor of 94.90% in the questionnaire as a whole, which indicates the existence of statistically significant differences between the opinions of the sample members on the possibility of building a color management system in the industrial establishments producing clothing, thus proving the validity of the third hypothesis.

Keywords:

color- color management system - industrial facilities- producing clothing