

Sadu Decorations Applications to Enrich Women's Abaya Via Fashion Design Programs

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Abstract:

The research aimed to study the features that distinguished the decorative units of the Sadu art and to identify its components to benefit from them in enriching the designs of women's cloaks using three-dimensional fashion design programs in order to shed light on the traditional arts and emphasize the Sadu art as a cultural and civilizational heritage. It also shows the extent of the sustainability of Sadu in creating innovative designs derived from the Arab heritage and identity. These designs combine authenticity and modernity. The abaya is considered one of the most important pieces of clothing for women, due to its formative and aesthetic components. It is an integral part of the Arab heritage. Accordingly, Sadu decorations were employed in designing a variety of design sketches for women's cloaks, using the CLO Standalone 7.2 three-dimensional program, as this program has several characteristics, the most important of which is showing the shape from all sides. The research followed the descriptive analytical approach through analyzing decorative units from the Sadu art, in addition to the semi-experimental approach in using three-dimensional computer programs (CLO Standalone 7.2 program) to suggest designs for women's cloaks. Two questionnaires were also created. One of them was presented to a group of professors specializing in the field of fashion design, and the second was presented to consumers to ensure that the research objectives were achieved. The results showed that the following hypotheses were achieved:

The first hypothesis: "There is a statistically significant difference between the proposed designs for women's cloaks inspired by the decorative vocabulary of the art of Sadu in terms of achieving the evaluation aspects as a whole according to the opinions of specialists." The average evaluation of the proposed designs in achieving the evaluation items (as a whole) was calculated, and the analysis of variance was calculated for the average evaluation of the designs, and the value of (F) was (6.47), which is a statistically significant value, indicating the existence of differences in achieving the evaluation aspects (as a whole) according to the opinions of specialists.

The second hypothesis: "There is a statistically significant difference between the axes of the proposed designs for the women's abaya inspired by the decorative vocabulary of the Sadu art according to the opinions of specialists." The average evaluation of the proposed designs in achieving the evaluation items (as a whole) was calculated, and the analysis of variance was calculated for the average axes of the proposed designs' evaluation, and the value of (F) was (1.87), which is not statistically significant, indicating that there are no significant differences between the evaluation axes according to the opinions of the specialists.

The third hypothesis: "There is a statistically significant difference between the evaluation of the proposed designs for the women's abaya inspired by the decorative vocabulary of the Sadu art in achieving the evaluation items (as a whole) according to the opinions of consumers." The average evaluation of the proposed designs in achieving the evaluation items (as a whole) was calculated, and the analysis of variance was calculated for the average evaluation of the designs, and the value of (F) was (3.88), which is a statistically significant value, indicating that there are differences between the proposed designs for the

women's abaya inspired by the decorative vocabulary of the Sadu art in achieving the evaluation items (as a whole) according to the opinions of consumers.

The fourth hypothesis: "There is a correlation between the ranking of specialists and the ranking of the proposed designs for women's cloaks inspired by the decorative vocabulary of the Sadu art" where Spearman's rank correlation coefficient was calculated between the ranking of specialists and consumers of the proposed designs for women's cloaks and the value reached ($r = 0.857$) which is statistically significant at a significance level of (0.01) and the relationship was directly proportional which may indicate compatibility between the evaluation from a scientific and practical point of view.

- It is clear from the statistical results that the research hypotheses were achieved in terms of the possibility of drawing inspiration from the decorative units of the Sadu art and adapting them in the field of women's cloak design in a contemporary manner while preserving the heritage at the same time and the success of the designs in achieving the foundations and elements of design and the innovative and functional aspect.

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References:

- 1- The Holy Quran.
- 2- Ahmed, Duaa Mohamed Aboud. Ali, Sahar Ali Zaghloul (2020), "The intellectual and aesthetic approach to the Sadu style in women's fashion designs", Journal of Architecture, Arts and Humanities, Arab Society for Islamic Civilization and Arts, Volume 5, Issue 11, Arab Republic of Egypt.
- 3- Ismail, Ala Al-Toukhi (2024), The artistic and aesthetic values of traditional Emirati women's fashion and benefiting from them in designing a contemporary Emirati abaya through the integration of drawing applications, International Design Journal, Volume 14, Issue 5, Arab Republic of Egypt.
- 4- Al-Saidi, Hanaa Kamel Hassan. Nafady, Dina Ahmed (2020), "Contemporary visions of Saudi folk heritage and its role in enriching the designs of women's abaya fabrics as an introduction to developing national sense", International Design Journal, Issue (1), Volume (10), Arab Republic of Egypt.
- 5- Al-Sallal, Abdul Aziz Saad (2021), "Geometric shape in Sadu as an element to preserve Kuwaiti identity in interior design", Heritage and Design Magazine, Volume 1, Issue 5, Arab Republic of Egypt.
- 6- Al-Ajaji, Tahani Nasser. Wajdan Muhammad Al-Fulaij (2019), "Reviving heritage using decorative units inspired by traditional Sadu motifs and Kufic script in fashion design", College of Fine Arts, Academic Journal, University of Baghdad, Iraq.
- 7- Al-Ghamdi, Abeer Saeed (2023), "A contemporary vision of Sadu decorative units to enrich hand-woven fabric in the Kingdom of Saudi Arabia", Journal of Arts, Literature, Humanities and Social Sciences, Emirates College of Educational Sciences, Issue 98, United Arab Emirates.
- 8- Al-Qandi, Haya Ahmed Ali Al-Qandi (2021), "Sustainability of Sadu in Contemporary Furniture Design", Journal of Architecture, Arts and Humanities - Arab Society for Islamic Civilization and Arts, Volume 6, Issue 26, Arab Republic of Egypt.
- 9- Al-Barak, Faten Muhammad Saleh (2021), "The impact of the construction of Saudi Sadu forms on the inspiration of contemporary printing designs", Journal of Specific Education and Technology, Faculty of Specific Education, Kafr El-Sheikh University, Issue 8, Arab Republic of Egypt.
- 10- Al-Masry, Ali Fadel (2019), "Organizing Kuwaiti Sadu textile decorations as an approach to creating complex artistic works", Journal of Research in Art Education and Arts, Faculty of Art Education, Helwan University, Arab Republic of Egypt.
- 11- Al-Mutawa, Hessa Abdullah Ibrahim (2021), "Kuwaiti Sadu decorations as an approach to enriching the design of the decorative panel through the computer", The Eighth Scientific Conference and the Sixth International Conference, Ain Shams University, Faculty of Specific Education, Arab Republic of Egypt.
- 12- Hassan, Iman Abdel Salam Abdel Qader. Alsheikh, Karama Thabet Hassan (2012), "Inspiration for designs on the mannequin from traditional Saudi clothing accessories", Journal of Home Economics, Helwan University, Volume 28, Issue 28, Arab Republic of Egypt.

- 13- Hassanein, Ilham Abdel Aziz Mohamed (2021), "A Contemporary Artistic Vision for Implementing the Women's Abaya Inspired by Traditional Saudi Costumes", International Design Journal, Volume 1, Issue 3, Arab Republic of Egypt.
- 14- Khalaf, Islam Jumaa (2022), "Benefiting from the Aesthetics of Mandala Art to Enrich the Women's Abaya", Journal of Research in the Fields of Specific Education, Faculty of Specific Education, Minia University, Volume 8, Issue 43, Arab Republic of Egypt.
- 15- Zaghoul, Tariq Mohamed. Al-Nawsani Amira Adel (2024), "Does the CLO 3D Program Constitute a Revolution in the Design and Production of Clothing Models Using Virtual Reality? (An Explanatory Study)", International Design Journal, Volume 14, Issue 5, Arab Republic of Egypt.
- 16- Ashmawy, Magda, and others (2015), "Problems of Manufacturing Women's Outerwear (Women's Abaya)", Home Economics Journal, Helwan University, Volume 31, Issue 31, Arab Republic of Egypt.
- 17- Awam, Arwa Yahya Muhammad Ghazali, Zidane, Mirahan Faraj Arabi (2020), "Adaptation of the properties of luminous threads to enrich women's abaya using machine embroidery techniques", Journal of Arts, Literature, Humanities and Social Sciences, Emirates College of Educational Sciences, Issue 55, United Arab Emirates
- 18- Issa, Yousry Moawad Ahmed. Al-Rifai, Hatem Ahmed Mahmoud Al-Rifai Hajjaj, Muhammad Abdul Hamid Hajjaj. Mustafa Asmaa Salah Ismail (2024), "The effectiveness of an e-learning program to acquire some skills of the CLO 3D program for clothing students", International Journal of Design, Volume 14, Issue 1, Arab Republic of Egypt.
- 19- Qurban, Masouda bint Alam Jan (2019), "The aesthetics of Saudi Sadu decorations as a source of inspiration for contemporary metal works in art education", Jordanian Journal of Arts, Volume 12, Issue 2, Yarmouk University, Jordan.
- 20- Mohamed, Rasha Samir (2023), "Enriching the Cultural Experience of the Guests of God by Employing Sadu in Designing Contemporary Printed Textile Hangings", International Design Journal, Volume 13, Issue 5, Arab Republic of Egypt.
- 21- Mohamed, Mai Saeed Abdel Khaleq. Ibrahim, Safaa Mohamed Gamal Ibrahim (2020), "A Comparative Study between the Use of Bead Loom Aesthetics and Hand Embroidery to Enrich Women's Abaya Designs", Journal of Architecture, Arts and Humanities, Arab Society for Islamic Civilization and Arts, Volume 5, Issue 21, Arab Republic of Egypt.
- 22- Al- Shareef, A. D. -Alharbi, M.M, 2023, sustainable Fashion Design of Al-Sadu Fabric by Using Zero Waste, international design journal, Volume (13), Issue (3), Egypt.
- 23- A Iqahtani, Fatemah Abdullah ,2024, Creativity and Conservatism: An Investigation into the Formation of Saudi Female Artistic Identity, Published by Austin Macauley Publishers.
- 24- Cho, Y., Tsuchiya, K., Takatera, M., Inui, S., Park, H., & Shimizu, Y. Computerized pattern making focus on fitting to 3D human body shapes, 2010, International Journal of Clothing Science and Technology, Volume (22), Issue (1).
- 25- Bye, Elizabeth, McKinney, Ellen, 2010, "Fit analysis using live and 3D scan models, International Journal of Clothing Science and Technology 22(2-3):88-100. DOI:10.1108/09556221011018586

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