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A novel design vision for children's clothing inspired by the Victorian era

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Abstract

Fashion design depends on the sensory aspects of the artist, and design is a planning process that starts from the design of the outfit and ends with the selection of supplements, the technical aspects must be interrelated and compatible with each other and not be many, so the outfit becomes as if it has a design defect and the design is not free from technical aspects, in this case it should budget and follow moderation.

The Victorian era is attributed to Queen Victoria, so the fashion at that time was characterized by luxury and extravagance in the quantities used, and the fabrics used were light, transparent, silk and lace that characterize the attic of the people, then after that they took a wide spread through the wives of the court men.

The research aims to:
1- Exposing the aesthetic relations in European times "the Victorian era".
2- Creating designs inspired by the Victorian era that achieve innovation and creativity.

The research found:
1- There are statistically significant differences between the seven designs in the general form according to the opinions of specialists.
2- There are statistically significant differences between the seven designs in the novelty of the design according to the opinions of specialists.
3- There are statistically significant differences between the seven designs in creativity and innovation according to the opinions of specialists.
4- There are statistically significant differences between the seven designs in keeping pace with fashion, according to the opinions of specialists.
5- There are statistically significant differences between the seven designs according to the opinions of specialists.

I recommend searching:
1- Attention and investment in historical artistic trends for the purpose of continuous development and keeping pace with the times.
2- The need to deepen consideration of seeing the historical elements and aesthetic studies in them.
3- Attention to studying the historical nature, its components and its taste as an aesthetic science that helps develop creativity in order to develop the field of fashion design and the artistic fields that exist in the era.

4- Directing those interested in the field of fashion design to the importance of linking the field of fashion design with the history of fashion in order to give innovative solutions based on artistic foundations.

5- Carrying out more studies on the historical eras for more innovation and delving into history.

**Introduction:**
Good design is the foundation of every artistic work of all time. Fashion design is not random; it is an art based on scientific foundations and theories. As the fashion designers have to design and create what hides defects and highlights merits, not only that but also puts on what is innovative and modern, and the fashion design process is closely related to the purpose it plays. For this reason It was incumbent on the fashion designer to come with his design from the reality of the era in which he lives, taking into account the values, traditions, and the supportive environment in the society, expressing a mind ready for innovation and creativity (Samar Ali, 2005).

Fashion design depends on the sensual aspects of the artist, the design is the process of planning starts from the design of the outfit and end up with choosing supplements, and the technical aspects must be interrelated and compatible with each other and not to be a lot, so the outfit becomes as if it has a design defect and the design is not free from technical aspects, in this case it should Balancing and following the moderation (Ismail Shawky, 2007).

And the art of fashion design in the first stage of the design process begins with the innovative process, and choosing the source of inspiration for the design. Some of them choose nature, which is the first source for the human And some of them choose buildings, whether modern or old, and some of them choose design in previous eras such as the European era, and some of them choose traditional clothes in his country (Rehab Mahmoud Hassan, 2011).

Historical sources are considered among the important sources that are one of the treasures that inspired the designer to draw his designs, as the designer can refer to historical books and museums (Abu Ayyad, 2008).

**Bottom of Form**
The European era is characterized by richness unlike islamic eras that were characterized by asceticism, and there was a large hierarchy in the types of clothes and forms, as in the twelfth century children used similar clothes for adults, but with the development there became clothes for children that distinguish them from adult clothes, and developments do not depend on the change of fashion forms only, but innovations in fashion reached the highest stages (Soraya Nasr, 2002).

The Victorian era is attributed to Queen Victoria, which was in the year (1837 AD / 1901 AD) in England, where the fashion in that era was characterized by luxury and extravagance in the quantities used, and The fabrics used are also different, including light, transparent, silk and lace that characterize the attic of the people, then after This began to spread widely through the court men's wives.
The Victorian era is a phenomenon of life in England, as it represents a society’s culture, not an individual’s culture, as it expresses the philosophy of British society as a whole in life and expresses beliefs, customs and traditions. All of this made the Victorian era a fertile source for fashion design in general and designing children's clothing in particular, for its diversity in its lines and its suitability for the age group in terms of shapes, lines and psychological connotations, in addition to the use of various methods for children's clothing designs that enrich them due to artistic and aesthetic values (Naglaa Ibrahim, 2019).

And the girls' clothes in the Victorian era were distinguished by the pointy waist line from the front and the opening of a wide and deep neck and the sleeves consisting of 3 layers on top of each other, and decorated with lace, as well as the skirt consisting of three layers on top of them decorated with cornice, and at the end of the stage the clothes became less than before, so the sleeves were distinguished that take Shape of the bell and replaced the inner skirt with a single layer containing cornices from the reinforced mound (Wafa Shafei, 2010).

Previous studies have varied, such as the study "Pierce, Ahmed Fathi, 2003 ", the study of "Abdul Hadi, Shahira Abdul Hadi, 2006", and the study of "Othman Berri, Sarah Sami, 2017 " where they aimed at developing creativity in fashion design, and developing the capabilities of creative thinking Through realizing and understanding the fine art elements and re-investing them in new forms and values, and revealing the most important innovative artistic features and the extent of their use in fashion design, Likewise, the study “Makrash, Nora Siddik, 2010”, the study of “El-Imam, Aladdin Kazem, 2013 AD”, and the study “Ghazwan, Moataz Anad, 2017” and the study of “Al-Ajaji, Tahani Nasser, 2019” where they aimed to adapt the aesthetic values of the marine nature in the service Elements of fashion design and creation of designs, And the disclosure of the nature of standards and intellectual requirements that secure strategic values that lead the designer to organize the mechanism of activating the design and contribute to dealing with the design product by activating its ability to innovate and re-design

And also the study "Lotfi, Nirvana Abdel Baqi, 2015 ", and the study of "Nassef, Fatima Al-Saeed, 2015 " and the study of "Al-Hosani, Rahman Mansour Hussein, 2018 ", where they covered a novel design vision of children's clothing fabrics based on the line and color on the both cubes, And the use of printing to enrich origami art aesthetically and realistically, with the possibility of using origami art with printing influences in making designs of high artistic and aesthetic value

And also the study "Yassin, Ru'ya Hamid, 2018 ", and the study of "Enas Hamdi, Nashwa Muhammad, 2018 ", and the study of "Hamdan, Naglaa Ibrahim, 2019 " where they aimed at creating clothing designs for children that depend in its essence on decorative units,

And also the study "Qadi, Afnan Riyad, 2018", and the study of "Khaleed, Abdullah Hussein, 2018 ", and the study of "Median, Fatima Al-Saeed, 2019 ", where they aimed to study the aesthetics of embroidery and synthesis arts on the decorations of the Victorian era.
Research problem:

The designer needs to meditate on everything around him, and begins this meditation from nature which was the first source of design and inspiration, and nature is the first element controlling everything around us, even in earlier eras nature was the source of inspiration, so their costumes were linked to their nature, so the research tends to take advantage of the history of fashion in earlier eras represented in the Victorian era to enrich the field of fashion design and attention to the past, with renewal, innovation and benefit from the aesthetic values of that Golden era, so the research seeks to answer the following questions:

1- What is the possibility of creating updated designs for children's clothes inspired by the Victorian era?
2- What is the possibility of preparing updated designs for children's clothes inspired by the Victorian era characterized by creativity and innovation?
3- What is the possibility of preparing updated designs for children's clothes inspired by the Victorian era, keeping pace with the prevailing fashion?

Research aims:

1- Exposing the aesthetic relations in European eras "the Victorian era".
2- Creating designs inspired by the Victorian era that achieve innovation and creativity.

The importance of research:

1- Expanding the creative field in fashion design and linking it with the past.
2- Introducing innovative designs from the Victorian era.
3- Linking the history of fashion to innovation and design.

Search terms:

Design:

- Choose a set of lines, shapes, colors or objects and organize them or form them in a satisfactory way, and when applying design to costumes includes consideration of aesthetics as well as function in the final form (Amr Hassouna, 2003).

Fashion design:

- The innovative and renewed entity in its lines, color spaces, and its various materials in which the fashion designer tries to translate the elements of the formation into a novel design and And living with the conditions of reality in a beautiful form (Enas Hamdi, Nashwa Mohamed, 2018).

A process whose purpose is to create a new business that performs several functions, including material and aesthetic function, as it is an innovative work that achieves its purpose by adding something new "material and moral" (Ismail Shawky, 2007).

The artistic language formed by a group of elements in a unified formation, calligraphy, shape, color, and texture", influenced by the scientific technical foundations to give control, integration, balance, rhythm, proportions, and
proportionality, so that the individual ultimately gets an outfit that feels symmetry and
connects him to the society in which he lives (Safiya Abdulaziz, 2014).

Sources of fashion design:
- Fashion designers are constantly looking for new sources of inspiration, and these
sources may be historical, civilizational, national or popular, as they are inspired by
nature or inspired by some important events such as wars and the economic indicators
that resulted from them, or from military clothes, sailors’ clothes, or the clothes of an
artist. And it could be the distinctive customs and traditions of a people, as well as the
special policies pursued by some countries, may be a source of sources that affect the
ideas and innovations of designers. The modern fields of architecture, modern
discoveries and technological advancement in all areas of life in particular are among
the most important sources that give way to designers for creativity and innovation to
form new concepts and ideas for the fashion world (Al-Turky, 2000).

Victorian era costumes:
Named after Queen Victoria, this great queen was able to ascend the throne at the age
of eighteen and ruled England for 64 years. Also Queen Victoria played a major role
in the dissemination of fashion women among English aristocrats at that time by
obtaining the latest and most elegant lines of clothing, which appeared at the height of
her Majesty with modern dressing lines (www.bbc.co.uk), as the country's Queen,
became the fashion ambassador of England and most European countries (Ahmed,
2010).

Research hypotheses:
1- There are statistically significant differences between the seven designs in the
general figure, according to the opinions of specialists.
2- There are statistically significant differences between the seven designs in the
novelty of the design according to the opinions of specialists.
3- There are statistically significant differences between the seven designs in
creativity and innovation, according to the opinions of specialists.
4- There are statistically significant differences between the seven designs in
keeping pace with fashion according to the opinions of specialists.
5- There are statistically significant differences between the seven designs,
according to the opinions of specialists.

Research Methodology:
The research follows:
The descriptive analytical approach with application and experimentation to clarify
the proposed designs. As the descriptive approach describes the phenomenon and
collects information and data about it, and categorizes and organizes this information
and analyzes it quantitatively and qualitatively in order to reach conclusions and
generalizations that help in developing the reality we are studying. But the analytical
approach is an organized quantitative method used in a content analysis Things such
as books and artwork from pictures and others, and aims to identify material trends
through an organized scientific way that are analyzed and to determine their
characteristics away from subjective impressions or random treatments (Obeidat et al., 2002).

The experimental approach and its primary purpose is to apply the scientific experiment to reach a knowledge of its value and scientific usefulness for solving problems and finding solutions. The experimental method depends on using the experiment to prove the hypotheses or prove the hypotheses through experimentation (Obeidat et al., 2002).

**Research sample:** The research sample is limited to seven novelty designs for children's clothing inspired by the Victorian era.

**Research tools:**

The research tool is defined as a systematic term meaning the means by which the necessary information is gathered to answer research questions or test its hypotheses (Al-Assaf, 1409 AH).

**Design Evaluation Questionnaire "Researcher Preparation":**

A questionnaire was prepared to identify the opinions of arbitrators in the seven designs of children's clothes inspired by the Victorian era and the questionnaire consists of four axes: "the general shape, novelty of design, creativity and innovation, keeping pace with fashion."

**Research limits:** Children's clothes from 3 to 6 years old "early childhood stage".

**Theoretical framework:**

**The design:**

Fashion designers are constantly looking for new sources of inspiration, These sources may be historical, civilizational, national or popular. It is also inspired by nature or inspired by some important events such as wars and the economic indicators that resulted from them, or from military clothes, the clothes of sailors, the clothes of an artist, a clergy clothes, or one of the important figures, As well as the special policies pursued by some countries, one of the sources that affects the ideas and innovations of designers, and The modern fields, inventions and technological progress in all areas of life are considered one of the most important sources that give the way for designers to creativity and innovation to form new concepts and ideas for the fashion world (Al-Turky, 2000).

And the designers refer to folk costumes; either from their original sources in different countries or in paintings or centers of folklore, and this type of resource is distinguished by its richness in beautiful decorations (Al-Faki, 2007).

And clothing is one of the aspects that clarify the extent of civilization of people's progress, as whenever clothes are characterized by originality, novelty and flexibility, which are the elements of innovation in addition to their artistic sense; this was evidence of the progress of this people.

And fashion went through Sequential stages of development and diversity, and it has reached us as a cognitive value either through wall paintings in caves, Or by drawing in the tombs of the Egyptians, the Babylonians and the Assyrians or through statues and sculptures, and Through the writings of ancient historians, there is no doubt that
the most obvious times where our knowledge of fashion is the ancient times in which
the Phoenicians and the Canes settled and the emergence of the Sumerian,
Babylonian, Pharaonic, Assyrian, Chinese, Indian, Greek and Roman civilizations
(Ahmed and Zaghloul, 2007).

Victorian era:
The Victorian era is attributed to Queen Victoria, who was in the year (1837 / 1901)
in England, and the clothes in that era was luxurious, as such The fabrics used include
light, transparent, silk, and lace that are distinguished by the people (Tahani Nasser
and Hoda Abdullah, 2019).

Victorian fashion includes fashion in British culture that emerged and developed in
the United Kingdom and the British Empire during the Victorian era "from about
1830 to 1900", and The period witnessed many changes in costumes, including the
methods, costume technology, and methods of distribution (Abdullah Hussein, 2018).

Under Queen Victoria’s rule, England enjoyed a period of economic growth alongside
technological advances, as such the heavy production of sewing machines resulted in
the 1850s, And industrial dyes evolved which led to major changes in fashion, so the
Clothes can be made faster and cheaper. The development of printing and display of fashion magazines allowed people to
contribute in the development of fine art aspects, which allowed the market for public
consumption and advertising by 1905, And the Factory-woven garments were being
sold in shops at a fixed price stimulating a new era of consumption with the growth of
the middle class that benefited from the Industrial Revolution (Wafaa Shafei, 2010).

Early childhood stage:
Early childhood stage can be defined as the age stage that extends from the beginning
of the third year of the child’s life to the end of the fifth year of his life, it is the stage
that extends from the end of the breastfeeding phase until entering the school, and
also some of them call it pre-school.

The early childhood stage is considered one of the most important educational stages
that a person goes through, where the child is distinguished at this stage by direct
dependence on those around him, at the same time; he tends to Subjectivity and
independence (Mustafa Zidan, 2003).

Early childhood characteristics:
1. The limbs of the child grow at this stage rapidly, while the torso grows at a
moderate degree, and the length is about (90) centimeters at the end of the
third year, and then increases differently at the rate of (6, 7, 8, 9) centimeters
during the years (3, 4, 5, 6 Weight increases by about one kilogram per year).
2. The child’s kinetic abilities improve, so he becomes steady in feet, so He is
able to run and jump easily, and his movement and misery are increased.
3. The child gradually relies on himself when eating and wearing clothes, and at
the end of the fifth year he is able to put on his clothes and take them off
without help except for straps as a result of the gradual growth of small
muscles at this stage and sometimes needs help in clothes with special
specifications (Wafa Shafei, 2010).
Application framework:

**first design**

- The used unit for design
- Trimming curves
- Rose
- Hair wrap

(1) the detailed data for the first design

- The clothes that the hat inspired from
- The design rely on roses, trimming curves, hair wrap

**second design**

- The used unit for design
- The clothes inspired from
- Bow
- Sleeve
- Rose
- Dress color

(2) the detailed data for the second design

- The design depends on bow, sleeve, rose, dress color
third design

- The used unit for design
- The clothes inspired from Victorian era
- Full design
- Skirt tucks
- Color

The design depends on layers and its gradient, skirt tucks, color.

fourth design

- The used unit for design
- The clothes inspired from Victorian era
- Full design
- High collar and shawl
- Scarf's tail

The design depends on high collar, shawl, the scarf's tail.

fifth design

- The used unit for design
- The clothes inspired from
- Full design
- Waist slip
- The circle
- The galosh dress

The design is based on the waist slip, the circle, and the galosh dress.
Here is another set of designs suggested by the researcher.
The design depends on the trimmings, layers, and dress curves.

The detailed data for the ninth design:
- The clothes inspired from Victorian era
- Layers
- Trimmings
- Dress curves

The detailed data for the eighth design:
- The clothes inspired from Victorian era
- Layers
- Trimmings
- Dress curves

The design depends on the rose, the corset, and the dress color.
The design depends on the rose, sleeve cornice, and the dress layers.

The design depends on ruffles, roses, tree color, and the sleeve.

The design depends on decorations and hair curves.
the design depends on triangles, layers and color

the design depends on trimming and sleeve tight

the design depends on sleeve folds, and the end of triangles tapes
Reliability and validity:
Design Evaluation Questionnaire:
Validity using the internal consistency between the total score for each axis and the total score for the questionnaire:
Validity was calculated using internal consistency by calculating the correlation coefficient (Pearson correlation coefficient) between the total score for each axis (general shape, novelty of design, creativity and innovation, keeping pace with fashion) and the total score for the questionnaire, and the following table shows that:

<table>
<thead>
<tr>
<th>Axis</th>
<th>Correlation</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>First axis: general shape</td>
<td>0.823</td>
<td>0.01</td>
</tr>
<tr>
<td>Second axis: novelty design</td>
<td>0.915</td>
<td>0.01</td>
</tr>
<tr>
<td>Third design: creativity and innovation</td>
<td>0.742</td>
<td>0.01</td>
</tr>
<tr>
<td>Fourth design: keeping pace with fashion</td>
<td>0.871</td>
<td>0.01</td>
</tr>
</tbody>
</table>

It is clear from the table that all correlation coefficients are significant at the level (0.01) of their approximation to the correct one, which indicates the validity and homogeneity of the questionnaire axes.

Reliability:
Reliability means the accuracy of the test in measurement and observation, its inconsistency with itself, its consistency, and its consistency in providing us with information on the behavior of the examiner, which is the ratio between the degree of variance on the questionnaire that indicates the actual performance of the examiner, and the reliability, was calculated by:
1- Alpha-Cronbach coefficient
2- Split-half method
Table (2) values of the reliability coefficient for the questionnaire axes

<table>
<thead>
<tr>
<th>axis</th>
<th>Alpha-Cronbach coefficient</th>
<th>Split-half</th>
</tr>
</thead>
<tbody>
<tr>
<td>First axis: general shape</td>
<td>0.756</td>
<td>0.799 – 0.712</td>
</tr>
<tr>
<td>Second axis: novelty design</td>
<td>0.813</td>
<td>0.852 – 0.777</td>
</tr>
<tr>
<td>Third design: creativity and innovation</td>
<td>0.905</td>
<td>0.941 – 0.860</td>
</tr>
<tr>
<td>Fourth design: keeping pace with fashion</td>
<td>0.781</td>
<td>0.827 – 0.746</td>
</tr>
<tr>
<td>Reliability for questionnaire as whole</td>
<td>0.852</td>
<td>0.899 – 0.813</td>
</tr>
</tbody>
</table>

It is clear from the previous table that all the values of the reliability coefficients: the Alpha-Cronbach coefficient, the split-half were significant at level 0.01, which indicates the reliability of the questionnaire.

**Research results:**

**First hypothesis:**
There are statistically significant differences between the seven designs in the general shape according to the opinions of specialists

To verify this hypothesis, the variance analysis was calculated for the average score of the seven designs in the general shape according to the opinions of specialists and the following tables shows that:

Table (3) Analysis of variance of the average score of the seven designs in the general shape according to the opinions of specialists

<table>
<thead>
<tr>
<th>General shape</th>
<th>Sum of squares</th>
<th>Mean square</th>
<th>df</th>
<th>F</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between groups</td>
<td>15956.824</td>
<td>2659.471</td>
<td>6</td>
<td>63.066</td>
<td>Significant at 0.01</td>
</tr>
<tr>
<td>Inside groups</td>
<td>2951.878</td>
<td>42.170</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>18908.702</td>
<td></td>
<td>76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is clear from Table (3) that the value of (F) was (63.066), which is a statistically significant value at the level of (0.01), which indicates the presence of differences between the seven designs in the general shape, and to know the direction of significance LSD test for multiple comparisons was applied and the following table shows that:

Table (4) LSD test for multiple comparisons

<table>
<thead>
<tr>
<th>General shape</th>
<th>First design</th>
<th>Second design</th>
<th>Third design</th>
<th>Fourth design</th>
<th>Fifth design</th>
<th>Sixth design</th>
<th>Seventh design</th>
</tr>
</thead>
<tbody>
<tr>
<td>First design</td>
<td>-</td>
<td>20.266**</td>
<td>5.054**</td>
<td>14.435**</td>
<td>33.031**</td>
<td>38.431**</td>
<td>27.988**</td>
</tr>
<tr>
<td>Second design</td>
<td>20.266**</td>
<td>-</td>
<td>5.830**</td>
<td>9.380**</td>
<td>12.765**</td>
<td>18.165**</td>
<td>7.721**</td>
</tr>
<tr>
<td>Third design</td>
<td>5.054**</td>
<td>5.830**</td>
<td>-</td>
<td>9.380**</td>
<td>12.765**</td>
<td>18.165**</td>
<td>-</td>
</tr>
<tr>
<td>Fourth design</td>
<td>14.435**</td>
<td>9.380**</td>
<td>15.211**</td>
<td>18.596**</td>
<td>27.977**</td>
<td>23.996**</td>
<td>-</td>
</tr>
<tr>
<td>Fifth design</td>
<td>33.031**</td>
<td>12.765**</td>
<td>18.596**</td>
<td>18.596**</td>
<td>27.977**</td>
<td>5.400**</td>
<td>-</td>
</tr>
<tr>
<td>Sixth design</td>
<td>38.431**</td>
<td>23.996**</td>
<td>23.996**</td>
<td>5.400**</td>
<td>5.400**</td>
<td>10.443**</td>
<td>-</td>
</tr>
<tr>
<td>Seventh design</td>
<td>27.988**</td>
<td>13.552**</td>
<td>13.552**</td>
<td>5.043**</td>
<td>10.443**</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

47 Journal of Specific Education and Technology (Scientific and applied research) - Issued by Faculty of Specific Education – Kafrelsheikh University – Egypt, Volume 2, Issue 6 June 2020.
Figure (1) shows the average degrees of the seven designs in the general figure according to the opinions of specialists.

From Table (4) and Figure (1) there are statistically significant differences between the seven designs at the significance level of 0.01, we find that the first design was the best designs in the general form according to the opinions of specialists, followed by the third design, then the fourth design, then the second design, then the seventh design, then the fifth design, and finally the sixth design.

The second hypothesis:
There are statistically significant differences between the seven designs in the novelty of the design according to the opinions of specialists.

To verify this hypothesis, the variance analysis was calculated for the average score of the seven designs in the design novelty according to the opinions of specialists and the following tables show that:

Table (5) the variance analysis for the average score of the seven designs in the design novelty according to the opinions of specialists

<table>
<thead>
<tr>
<th>Design novelty</th>
<th>Sum of squares</th>
<th>Mean square</th>
<th>df</th>
<th>F</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between groups</td>
<td>9646.056</td>
<td>1607.676</td>
<td>6</td>
<td>42.207</td>
<td>Significant at 0.01</td>
</tr>
<tr>
<td>Inside groups</td>
<td>2666.325</td>
<td>38.090</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>12312.381</td>
<td></td>
<td>76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is clear from Table (5) that the value of (F) was (42.207), which is a statistically significant value at the level of (0.01), which indicates the presence of differences between the seven designs in the design novelty, and to know the direction of significance LSD test for multiple comparisons was applied and the following table shows that:
Table (6) LSD test for multiple comparisons

<table>
<thead>
<tr>
<th>Design novelty</th>
<th>First design M = 39.890</th>
<th>Second design M = 32.572</th>
<th>Third design M = 16.649</th>
<th>Fourth design M = 49.386</th>
<th>Fifth design M = 26.897</th>
<th>Sixth design M = 23.063</th>
<th>Seventh design M = 43.486</th>
</tr>
</thead>
<tbody>
<tr>
<td>First design</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second design</td>
<td>7.318**</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third design</td>
<td>23.241**</td>
<td>15.923**</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fourth design</td>
<td>9.495**</td>
<td>16.813**</td>
<td>32.737**</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fifth design</td>
<td>12.993**</td>
<td>5.675**</td>
<td>10.248**</td>
<td>22.489**</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sixth design</td>
<td>16.827**</td>
<td>9.509**</td>
<td>6.414**</td>
<td>26.322**</td>
<td>3.833*</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Seventh design</td>
<td>3.595*</td>
<td>10.913**</td>
<td>26.837**</td>
<td>5.900**</td>
<td>16.589**</td>
<td>20.422**</td>
<td>-</td>
</tr>
</tbody>
</table>

Figure (2) shows the average degrees of the seven designs in the design novelty according to the opinions of specialists.

From Table (6) and Figure (2) it is clear that:

1- There are statistically significant differences between the seven designs at the significance level of 0.01, then we find that the fourth design was the best design in the novelty of design according to the opinions of specialists, followed by the seventh design, then the first design, then the second design, then the fifth design, then the sixth design, and finally the third design.

2- Also there are differences at the significance level 0.05 between the first design and the seventh design in favor of the seventh design, and there are differences at the significance level 0.05 between the fifth design and the sixth design in favor of the fifth design.

The third hypothesis:
There are statistically significant differences between the seven designs in creativity and innovation according to the opinions of specialists.
To verify this hypothesis, the variance analysis was calculated for the average score of the seven designs in creativity and innovation according to the opinions of specialists and the following tables show that:

Table (7) the variance analysis for the average score of the seven designs in creativity and innovation according to the opinions of specialists

<table>
<thead>
<tr>
<th>Creativity and Innovation</th>
<th>Sum of squares</th>
<th>Mean square</th>
<th>df</th>
<th>F</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between groups</td>
<td>6986.765</td>
<td>1164.461</td>
<td>6</td>
<td>28.127</td>
<td>Significant at 0.01</td>
</tr>
<tr>
<td>Inside groups</td>
<td>2898.015</td>
<td>41.400</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>9884.780</td>
<td></td>
<td>76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is clear from Table (7) that the value of (F) was (28.127), which is a statistically significant value at the level of (0.01), which indicates the presence of differences between the seven designs in creativity and innovation, and to know the direction of significance LSD test for multiple comparisons was applied and the following table shows that:

Table (8) LSD test for multiple comparisons

<table>
<thead>
<tr>
<th>creativity and innovation</th>
<th>First design M = 19.546</th>
<th>Second design M = 34.136</th>
<th>Third design M = 29.647</th>
<th>Fourth design M = 14.807</th>
<th>Fifth design M = 24.862</th>
<th>Sixth design M = 10.000</th>
<th>Seventh design M = 39.200</th>
</tr>
</thead>
<tbody>
<tr>
<td>First design</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second design</td>
<td>14.590**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third design</td>
<td>10.100**</td>
<td>4.489**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fourth design</td>
<td>4.739**</td>
<td>19.329**</td>
<td>14.840**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fifth design</td>
<td>5.316**</td>
<td>9.273**</td>
<td>4.784**</td>
<td>10.055**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sixth design</td>
<td>9.546**</td>
<td>24.136**</td>
<td>19.647**</td>
<td>4.807**</td>
<td>14.862**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seventh design</td>
<td>19.654**</td>
<td>5.064**</td>
<td>9.553**</td>
<td>24.393**</td>
<td>14.338**</td>
<td>29.200**</td>
<td></td>
</tr>
</tbody>
</table>

Figure (3) shows the average degrees of the seven designs in creativity and innovation according to the opinions of specialists.
From Table (8) and Figure (3) it’s clear that, there are statistically significant differences between the seven designs at the significance level of 0.01, we find that the seventh design was the best designs in creativity and innovation according to the opinions of specialists, followed by the second design, then the third design, then the fifth design, then the First design, then the fourth design, and finally the sixth design.

The fourth hypothesis:
There are statistically significant differences between the seven designs in keeping pace with fashion according to the opinions of specialists.

To verify this hypothesis, the variance analysis was calculated for the average score of the seven designs in keeping pace with fashion according to the opinions of specialists and the following tables show that:

Table (9) the variance analysis for the average score of the seven designs in keeping pace with fashion according to the opinions of specialists

<table>
<thead>
<tr>
<th>keeping pace with fashion</th>
<th>Sum of squares</th>
<th>Mean square</th>
<th>df</th>
<th>F</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between groups</td>
<td>8037.223</td>
<td>1339.537</td>
<td>6</td>
<td>32.480</td>
<td>Significant at 0.01</td>
</tr>
<tr>
<td>Inside groups</td>
<td>2886.968</td>
<td>41.242</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>10924.191</td>
<td></td>
<td>76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is clear from Table (9) that the value of (F) was (32.480), which is a statistically significant value at the level of (0.01), which indicates the presence of differences between the seven designs in keeping pace with fashion, and to know the direction of significance LSD test for multiple comparisons was applied and the following table shows that:

Table (10) LSD test for multiple comparisons

<table>
<thead>
<tr>
<th>keeping pace with fashion</th>
<th>First design</th>
<th>Second design</th>
<th>Third design</th>
<th>Fourth design</th>
<th>Fifth design</th>
<th>Sixth design</th>
<th>Seventh design</th>
</tr>
</thead>
<tbody>
<tr>
<td>First design M = 29.528</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Second design M = 35.004</td>
<td>5.476**</td>
<td>-</td>
<td>20.553**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Third design M = 14.450</td>
<td>15.077**</td>
<td>11.204**</td>
<td>29.794**</td>
<td>20.445**</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fourth design M = 44.245</td>
<td>14.717**</td>
<td>9.240**</td>
<td>9.349**</td>
<td>20.445**</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fifth design M = 23.800</td>
<td>5.728**</td>
<td>11.204**</td>
<td>9.349**</td>
<td>20.445**</td>
<td>16.035**</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sixth design M = 39.835</td>
<td>10.307**</td>
<td>4.830**</td>
<td>25.384**</td>
<td>4.410**</td>
<td>16.035**</td>
<td>20.112**</td>
<td>-</td>
</tr>
<tr>
<td>Seventh design M = 19.722</td>
<td>9.805**</td>
<td>15.281**</td>
<td>5.271**</td>
<td>24.522**</td>
<td>4.077**</td>
<td>20.112**</td>
<td>-</td>
</tr>
</tbody>
</table>

51 | Journal of Specific Education and Technology (Scientific and applied research) - Issued by Faculty of Specific Education – Kafrelsheikh University – Egypt, Volume 2, Issue 6 June 2020.
Figure (4) shows the average degrees of the seven designs in keeping pace with fashion according to the opinions of specialists. From Table (10) and Figure (4) it's clear that, there are statistically significant differences between the seven designs at the significance level of 0.01, we find that the fourth design was the best designs in creativity and innovation according to the opinions of specialists, followed by the sixth design, then the second design, then the First design, then the fifth design, then the seventh design, and finally the third design.

The fifth hypothesis:

There are statistically significant differences between the seven designs according to the opinions of specialists.

To verify this hypothesis, the variance analysis was calculated for the average score of the seven designs according to the opinions of specialists and the following tables show that:

Table (11) the variance analysis for the average score of the seven designs according to the opinions of specialists

<table>
<thead>
<tr>
<th></th>
<th>Sum of squares</th>
<th>Mean square</th>
<th>df</th>
<th>F</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between groups</td>
<td>39208.845</td>
<td>6534.807</td>
<td>6</td>
<td>55.471</td>
<td>Significant at 0.01</td>
</tr>
<tr>
<td>Inside groups</td>
<td>8246.469</td>
<td>117.807</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>47455.314</td>
<td></td>
<td>76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is clear from Table (11) that the value of (F) was (32.480), which is a statistically significant value at the level of (0.01), which indicates the presence of differences between the seven designs, and to know the direction of significance LSD test for multiple comparisons was applied and the following table shows that:
Table (12) LSD test for multiple comparisons

<table>
<thead>
<tr>
<th>Sum total</th>
<th>First design M = 148.459</th>
<th>Second design M = 140.942</th>
<th>Third design M = 115.188</th>
<th>Fourth design M = 153.499</th>
<th>Fifth design M = 102.023</th>
<th>Sixth design M = 93.962</th>
<th>Seventh design M = 133.917</th>
</tr>
</thead>
<tbody>
<tr>
<td>First design</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Second design</td>
<td>7.517**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Third design</td>
<td>33.271**</td>
<td>25.754**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fourth design</td>
<td>5.040**</td>
<td>12.556**</td>
<td>38.310**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fifth design</td>
<td>46.436**</td>
<td>38.919**</td>
<td>13.164**</td>
<td>51.475**</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sixth design</td>
<td>54.497**</td>
<td>46.980**</td>
<td>21.225**</td>
<td>59.536**</td>
<td>8.060**</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Seventh design</td>
<td>14.542**</td>
<td>7.025**</td>
<td>18.729**</td>
<td>19.581**</td>
<td>31.893**</td>
<td>39.954**</td>
<td>-</td>
</tr>
</tbody>
</table>

Figure (5) shows the average degrees of the seven designs according to the opinions of specialists

From Table (12) and Figure (5) it’s clear that, there are statistically significant differences between the seven designs at the significance level of 0.01, we find that the fourth design was the best designs according to the opinions of specialists, followed by the First design, then the second design, then the seventh design, then the third design, then the fifth design, and finally sixth the design.

From the previous results, the researcher reached:

1- The possibility of benefiting from the old designs in the Victorian era and their renewal in the field of fashion design.
2- Developing innovative and creative capabilities and thinking through inspiration from the Victorian era to produce modern clothes for children.
3- Learn about the historical development of the Victorian era and children's clothing in this era.
4- The study of the Victorian era revealed many ideas that were employed in fashion designs that varied in terms of methods, style and means.
5- The possibility to take advantage of Victorian era clothing to reach innovation and renewal in the field of fashion design.
6- Learn about the Victorian era led to the development of the ability to imagine and innovate and the possibility of producing new designs.

Recommendations:

1- Attention to artistic historical trends, and its investment for the purpose of continuous development and keeping pace with the times.
2- The need to deepen the consideration of the vision of historical elements and aesthetic studies in them.
3- Attention to studying the historical nature, its components and taste it as an aesthetic science that helps to develop creativity in order to develop the fashion design field and the artistic fields that exist in the era.
4- Directing those interested in the field of fashion design to the importance of linking the field of fashion design with the history of fashion in order to give innovative solutions based on artistic foundations.
5- Carrying out more studies on the historical eras for more innovation and delving into history.

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رؤية تصميمية مستحدثة لملابس الأطفال مستوحاة من العصر الفيكتوري

A novel design vision for children's clothing inspired by the Victorian era

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College of Design - Umm Al-Qura University

ملخص البحث

تصميم الأزياء يعتمد على الجوانب الحسية للفنان، والتصميم هو عملية تخطيط يبدأ من تصميم الزي ويتدهى باختيار المكملات، والجوائز الفنية لابد أن تكون مترازية ومع معاً ولا تكون كثيرة فتصبح الزي كانه عيب تصميمي ولا يكون التصميم حالي من الجوانب الفنية، في هذه الحالة ينبعي الموازنة واتباع الوسطية.

والعصر الفيكتوري نسبةً إلى الملكة "فكتوريا"، فكانت الأزياء في ذلك العصر تتصرف بلفظ والإسراف في الكميات المستخدمة، كما تختلف الأقمشة المستخدمة منها الخفيفة والشفافة والحريرية والدانتيل التي تمز بها علية القوم، ثم بعد ذلك تأخذ انتشاراً كبيراً من خلال زوجات رجال البلاط.

هدف البحث:

1- الكشف عن العلاقات الجمالية في العصور الأوربية "العصر الفيكتوري".
2- ابتكار تصميمات مستوحاة للعصر الفيكتوري تحقق الابتكار والإبداع.

توصيل البحث:

1- وجود فروق ذات دلالة إحصائية بين التصميمات السبع في الشكل العام وفقاً لأراء المتخصصين.
2- وجود فروق ذات دلالة إحصائية بين التصميمات السبع في حياد التصميم وفقاً لأراء المتخصصين.
3- وجود فروق ذات دلالة إحصائية بين التصميمات السبع في الابتكار وفقاً لأراء المتخصصين.
4- وجود فروق ذات دلالة إحصائية بين التصميمات السبع في مسايرة الموضة وفقاً لأراء المتخصصين.
5- وجود فروق ذات دلالة إحصائية بين التصميمات السبع وفقاً لأراء المتخصصين.

أوصي البحث بـ:

1- الاهتمام بالإتجاهات التاريخية الفنيه واستثماراها بغرض التطوير المستمر ومواكبة العصر.
2- ضرورة تعميق النظر في رؤية العناصر التاريخية والدراسات الجمالية فيها.
3- الاهتمام بدراسة الطبيعة التاريخية وعلاقتها وتقويمها كعلم جمالي يستدعي تنمية الإبداع من أجل تطوير مجال تصميم الأزياء والمجاهات الفنية الموجودة في العصر.
4- توجه المهتمين في مجال تصميم الأزياء إلى أهمية البحث بين مجال تصميم الأزياء وتاريخ الأزياء من أجل إعطاء حلول إبداعية.Z
5- عمل المزيد من الدراسات حول العصور التاريخية للمزيد من الإبتكار والتمتع في التاريخ.