



Enriching the Artistic Work by Creating Innovative Compositions Inspired by the Idea of Optical Illusions

¹prof. Nashwa Mohamed Esam abd el aziz, ²Naglaa Muhammad Farouk Ahmed, ³Laila. Mohamed. Elwakeel

¹Associate Professorat at the College of Culture and Performing Arts- King Khalid

University namohmed@kku.edu.sa

²Associate Professor at the College of Culture and Arts, Department of Home Economics - College of Culture and Arts- Abha - King Khalid University, P.O. Box 3236. Abha,

nalsaied@kku.edu.sa

³Muhayil Asir, Applied College, King Khalid University,

Muhayil Asir 61913, Saudi Arabia

lalwakel@kku.edu.sa

Abstract :

Enriching the artistic work by creating innovative compositions inspired by the idea of optical illusions. Optical art is one of the trends in photography. This school relies on deceiving the eye by coordinating lines or areas of color and cubes, although visual art is based on a scientific basis and is an image made in a thoughtful way in order to appear in a specific way according to through the subject of artistic works, we will benefit from the idea of contrast between black and white and create innovative compositions to create artistic works with paper material, which means how to deal with the paper material and subject it to the shape to be created. The paper must be placed in an aesthetic form in order for artistic appreciation to occur and thus produce a product that will be admired by the public, and because we face scientific development all over the world, and attention must turn to research, innovation and innovation

Keywords Artwork - innovation - inspired installations - optical illusion

Received: 10 April 2024 **Revised:** 05 June 2024 **Accepted:** 27 June 2024

Research problem :

This study is based on enriching the artistic work by creating innovative compositions inspired by the idea of optical illusions. It is based on the idea of contrast between colors, which results in kinetic relationships through the shapes and lines used in creating the design of the work.

The research problem is summarized in the following question:

How can an artistic work be enriched by creating innovative compositions inspired by the idea of optical illusions?

research importance:

- Benefiting from the idea of optical illusion art and producing innovative artistic works.
- Producing an artistic work based on innovative compositional relationships for the art of optical illusions.

Search hypothesis:

- How to benefit from enriching the artistic work by creating innovative compositions inspired by the idea of optical illusions

Search goal:

- Revealing the possibility of benefiting from the idea of optical illusions and producing innovative artistic artifacts.

- Revealing the possibility of creating innovative compositions inspired by the idea of optical illusions.

Related studies:

1-Magda Khalaf Hussein's study, 1991, entitled Formation with Materials as a Basis for Building an Artworks Program for the Kindergarten Stage. The study aims to examine how children sense the material used and their ability to sense and visual perception through the manual formation of the paper material within the artworks material.

2-A study by Amani Riyad Abdel Sayed 2004 entitled Movement in Visual Art and its Impact on Enriching the Artistic Work. The study aims to monitor the procedural aspect of the processes of experimentation through movement to clarify the dynamics of the internal and external processes in it and to propose a philosophical thought for experimentation that is related to the era and commensurate with the nature of the artistic and educational process, and this research is consistent with this. It differs from the current research in addressing the school of visual deception, as the researcher performs self-experimentation to achieve aesthetic dimensions that enrich contemporary work on the basis of a meeting place between movement and visual art. However, the current research is based on formations of zebra skin in light of the school of visual deception.

3-- Study by Moataz Fathi Hassan 2006 "A study entitled Synthesis in paper pulp to create contemporary artistic artifacts aiming to reformulate paper and methods of shaping it by folding, twisting, welding, crimping, and pressure waves as an effective medium for conveying emotions and various plastic ideas."

4- Study by Nermin Abdel Fattah Mohamed 2012, "Creating artistic formulations to enrich metal works in light of the structural and aesthetic foundations of the art of optical illusions. The research aims to conduct an analytical study of perception, optical illusions and their types, the basic principles of the art of optical illusions and its development, and then methods for achieving optical illusions and its development.

5-Study by Marwa Rabie Rajab Ibrahim, 2019: The study is entitled The Art of Optical Illusion and the Development of a New Vision for the Decorative Painting. This study is based on the creation of a decorative painting with the idea of optical illusion.

6-A study by Amira Saud, a study entitled The Art of Optical Illusion and its Impact on the Development of Creative Design Treatments in Interior Architecture. The study is based on producing design treatments in interior architecture with the idea of optical illusion.

7- Amira Muhammad 2017:study entitled The Art of Optical Illusion in the Development of Creative Design Treatments in Interior Architecture is based on employing the art of optical illusion and the aesthetic and functional values it contains and benefiting from it in design treatments in interior architecture.

8 -Samaher bint Abdul Rahman Fatb 1991: The study entitled: The Art of Mekanib, Introducing New Designs for Metal Jewelry with the Idea of Optical Illusion. The study is based on the production of metal jewelry with the idea of optical illusion - King Saud University - Kingdom of Saudi Arabia

9-Study by Rania Rashad Tawakkol. Ghada Mohamed 2016: The study is entitled The Art of Optical Illusion and a course in designing pile pendants used in interior architecture with limited space. The study is based on producing pile pendants with the idea of optical illusion to address limited spaces in interior architecture.

10-Study by Salah al-Din al-Qabnouri, 2020, Standards for the Use of Optical Illusions in Interior Design. The study is based on the use of the idea of optical illusions in interior design.

introduction:

Optical art is one of the trends in photography. This school relies on deceiving the sight by coordinating lines, color areas, and cubes, although visual art is based on a scientific basis(Kifaya Suleiman Ahmed, Sahar Ali Zaghloul, 2007, p. 20)

It is an image made in a studied way in order to appear in a specific way according to precise organizational principles such as balanced geometric spread, dynamic relationships between decorative elements, and balance of masses. It opened the doors for experimentation and expanded the horizons of the arts. What is composition in a work of art? "It is the whole system, including the form and the ground, in relation to the design, all the individual bodies, and parts." Bodies not only have shape and size, but also have a center.."(Mohamed Ghanem, 2001, p. 6.)

Through the subject of artistic works, we will benefit from the idea of contrast between black and white and create innovative compositions to create artistic works with paper material, which means how to deal with the paper material and subject it to the shape to be created. The paper must be placed in an aesthetic form in order for artistic appreciation to occur and thus produce a product that will be admired by the public, and because we face scientific development in all parts of the world, and attention must be directed to research, innovation, innovation, and the tendency to innovate and link the arts, environment, Waste management represents a major challenge facing the world currently, which is why explaining the concept of rationalization, reuse and recycling to children is the first step towards successful waste management. To teach kids and teens the importance of protecting and conserving our resources."(<https://www.ajnet.me/women/2023/12/14>)

and heritage in various fields, including artistic works, to create good compositions, which are produced by making relationships between design elements, as well as choosing the appropriate material and technology. Which is compatible with it, as well as making the artistic approach to the work of multi-unit units aesthetic and utilitarian

It is admired by the masses because the artist searches for contemporary art to keep pace with the progress that man experiences and the change in his character and artistic and aesthetic methods. This art is based on a practical theory related to the visual perception of shapes and surfaces that are intertwined in their formal characteristics. It also relies on lines, abstract shapes, and designs so that they create a feeling of movement in the eye of the viewer. The researcher relied on the idea of research on this art to combine the two hobbies of artistic works and create compositions with the idea of deceiving the eye. Which creates rhythm and music that deceive the viewer and make him see things other than reality.

It is admired by the masses because the artist searches for contemporary art to keep pace with the progress that man experiences and the change in his character and artistic and aesthetic methods. This art is based on a practical theory related to the visual perception of shapes and surfaces that are intertwined in their formal characteristics. It also relies on lines, abstract shapes, and designs so that they create a feeling of movement in the eye of the viewer. The researcher relied on the idea of research on this art to combine the two hobbies of artistic works and create compositions with the idea of deceiving the eye. Which creates rhythm and music that deceive the viewer and make him see things other than reality.

Research Methodology :

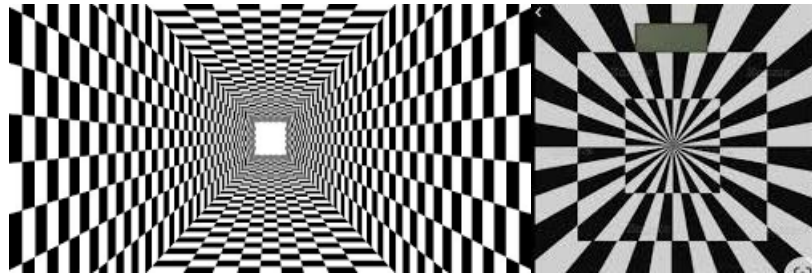
The research relies on the descriptive analytical approach in the theoretical framework and the experimental approach in the applied aspect of the research:

Conducting an exploratory experimental study on a sample of eighth-level students in the subject of artistic works, College of Home Economics, King Khalid University - in the year 2022, in line with the curriculum for teaching artistic works using paper materials and coloring as a method for making three-dimensional artistic works.

The theoretical aspect of the research:

Research axes:

The first axis: optical illusions and composition



<https://www.google.com/search?q>

Optical illusion is defined as the deceptive vision that the viewer's eyes see, making him believe that he sees things other than what actually exists, meaning that the viewer sees the image in front of him other than what it is in reality"(<https://mawdoo3.co>)

It is an art based on kinetic illusion and appeared in the second half of the twentieth century at the hands of a group of artists such as Victor Vassarelli, Soto, Joseph Albert, Bridget Really, and others, and each of them had a special doctrine in the use of optical illusions."(https://mbse.journals.ekb.eg/article_140576.html)

A person sees something that is the opposite of what it is in reality or completely different from the truth, and the reason for this is misleading or deception in vision. The scientific reason for this deception is that the eye collects information about the thing it is looking at and transfers it to the brain, which gives unreal information, as this information is processed in a way Wrong, there are possibilities and illusions"(<https://www.google.com/search>)

Contemporary arts: Beauty in its general form has been separated from art until performance has become according to artistic schools, and beauty has separated from art in the modern form, which has opened the field and multiplicity of methods. Art as a social phenomenon is not a purely philosophical activity, first of all purely practical. If art is primarily creative, it must be The artist is aware of everything new in order to create and keep pace with the developed world and the conditions of advanced technology. Every day there is something new. "The deception of sight" is the illusion of sight with special effects such as analyzing shape and color and using its refraction to create a kinetic effect. Visual art is linked to the name of the inventor of the Hungarian artist (Victor Vasarely) in 1908 AD. The word "visual" generally applies to two- and three-dimensional works that reveal the eye's ability to see."(Kifaya Suleiman Ahmed, Sahar Ali Zaghloul. 2007, p. 202.)

The artwork consists of the elements of lines, shape, space, and light, and the artist's understanding of them well helps him in the design process. Pop art challenged prevailing conventions by asserting that the artist's comprehensive use of all visual means consistent with popular culture conformed to the perspective of fine arts."(<https://ar.wikipedia.org/wiki>)

Second: Composition:

It is the art of arranging different elements in a decorative way to help express feelings. The artist also chooses colors and elements to create the desired shape. The artist provides many symbolic meanings to expand the suggestion by creating relationships between lines and space in three-dimensional works, and they interact in order to form a good formal structure and the work appears in the picture. The desired formativeness. The main goal is to raise culture to the level of the contemporary perceptions. This is how "modernism" must innovate methods that help people adapt to the new conditions. This was the case with Cubism, Futurism, and Abstractionism."(Mukhtar Al-Attar: Art and Modernity between Yesterday and Today, Egyptian Book Authority, 1991, p. 84.)

Types of configurations

"There is an open and closed organization. In the open design, there appears to be an extended frame containing the figure and the floor. It requires good composition skill in terms of the balance of the form, which takes the eye outside the design and then returns the viewer's eye to the inside of the design again. As for the closed design, the frame contains the movement between the figure and the floor. The shapes touch the frame until the work emerges, folded and closed

That is, the word "composition" means "controlling the elements of the artwork if the visual elements are unified, whether they are a line, space, block, or other things, which are required for the artist to assemble them (guiding rules "(Mohamed Ghanem, 2001, p. 8.)

The values and principles of design are in balance, rhythm, harmony, and good organization so that the work is done well. "Shape may be sufficient as a unit to represent something (real or imaginary) and it exists in a space that is defined by it. As for color, it is impossible for it to represent unity." (Wassily Kandinsky, Spirituality in Art, 2008, p. 80).

The second axis: the applied aspect of the research:

Applications goal:

The study aims to achieve the hypothesis, which is how to benefit from the idea of optical illusions and produce

Three-dimensional artistic compositions.

- Students acquire plastic skills by dealing with paper materials, using appropriate techniques with each material, and coloring paper with lines and colors to create deception and making models in different shapes.

Practical applications:



First job:

Materials: white paper - colors - ink pens.

Techniques: adding - pasting - folding - coloring.

Formal description: The composition consists of cubes and pyramidal shapes of various sizes, which gave a feeling of movement. The Fazirli style was used, using geometric divisions of black and white, and the unity between the shapes was achieved by the cube embracing its basic nature.

Aesthetic concepts of work:

- Movement rhythm is achieved through varying the sizes of shapes and overlaying them on top of each other

Repetition was achieved by repeatedly using shapes of the same shape and size, which gave the composition alone



The second busy

Materials used: paper (white, black) - black foam - cardboard cylinder.

Techniques: addition - folding - coloring.

Formal description: The figure is a doll whose body is a cardboard cylinder covered with colored circles and its legs are cubes colored in contrasting colors. The head is a large cube colored in black and white with some pyramidal shapes colored in the Fazzlerly style and carries a group of pyramidal shapes and small cubes.

Aesthetic concepts in the work: - Harmony is achieved between the elements of the composition through the large cube containing the rest of the small cubes and pyramidal shapes.

- Textural diversity is achieved through the use of shapes with a variety of textures



The third busy

Materials used: paper (white, black) - black foam - cardboard cylinder.

Techniques: addition - folding - coloring.

Formal description: The model is a doll whose body is a cardboard cylinder covered with colored circles and covered with small pyramidal shapes. Its legs are cubes colored in contrasting colors, while the head is a group of large cubes colored in white gradients with some pyramidal shapes colored in a decorative style with geometric shapes.

Aesthetic concepts in the work: - Harmony is achieved between the elements of the composition through repetition by distributing repeated shapes on the bride's body as well as the head



Fourth busy

Materials used: paper (white, black) - black foam - cardboard cylinder.

Techniques: addition - folding - coloring.

Formal description: The model is a doll whose body is a cardboard cylinder covered with colors and covered with small pyramidal shapes and cubes of various sizes. Its legs are cubes colored in contrasting colors, while the head is a group of large cubes colored with shapes inspired by plants, and some of the shapes are used in the Fazzlerly style.

Aesthetic concepts of work:

- The kinetic rhythm is achieved through the diversity of the sizes of the shapes within the composition



Fifth busy:

Materials used: white paper - colors - ink pens - colored foam.

Techniques: addition - pasting - folding - coloring.

Formal description: The composition takes the form of a prism and was photographed in two different positions. The prism is executed in blue cardboard and folded to take the shape of a prism and embraces a group of cubes and pyramidal shapes. The sizes of the shapes varied, and some of the shapes were colored in black and white in the Fazzery style.

Aesthetic concepts: The motor rhythm is achieved through the formation of the composition

**Sixth busy:**

Materials: white paper - colors - ink pens.

Techniques: addition - pasting - folding - coloring.

Formal description: The composition takes the form of a robot composed of a group of cubes that are harmonious with each other and through the contrast between colors and the color gradation in white. Harmony was created between the elements of the composition. The use of the Vassarelli style in black and white in some cubes. The latest confirmation of some cubes and focus on this cube.

Aesthetic concepts: Balance is achieved by distributing the cubes at the top, bottom, and sides of the figure

**Experiment results:**

The concept of artistic works has become linked to experimentation with materials to arrive at artistic compositions based on compositions of the art of optical illusion.

-The necessity of paying attention to producing artistic artifacts in the form of models inspired by the formations of cubes in the style of optical illusions.

-It is necessary to use the paper material, the Nasibian material, and the coloring on the paper, all of which give a high feeling of the material.

-Diversity of texture through variety of materials.

Recommendations:

The researcher recommends: the necessity of diversity in the use of materials, experimentation, and acquiring plastic skills.

- Paying attention to modern technical schools to keep pace with progress.

- Developing the ability to produce good compositional relationships within the artistic work.

- The ability to identify materials and their plastic capabilities.

Acknowledgement:

"The authors extend their appreciation to the Deanship of Research and Graduate Studies at King Khalid University for funding this work through Large Research Project under grant number RGP2/258/45

The Reviewer:

- 1- Kifaya Suleiman Ahmed, Sahar Ali Zaghloul: Foundations of Fashion Design for Women, World of Books, 1st edition, 2007.
- 2- Mukhtar Al-Attar: Art and Modernity between Yesterday and Today, Egyptian Book Authority, 1991,
- 3- Wassily Kandinsky, Spirituality in Art, Egyptian General Book Authority, 2008..
- 4- Mohamed Ghanem, Foundations of Building Artistic Work, Academy Library, Cairo 2001.
- 5- Magda Khalaf Hussein's study, 1991, Formation with raw materials as a basis for building an artistic works program for the kindergarten stage, doctoral dissertation, unpublished, Faculty of Art Education, Helwan University, Cairo.
- 6- Amani Riyad Abdel Sayed 2004, Movement in the School of Visual Art and its Impact on Enriching Artworks, PhD thesis, unpublished, Faculty of Specific Education, Cairo University.
- 6- Moataz Fathi Hassan's study 2006, synthesis of paper mache to create contemporary artistic artifacts, doctoral dissertation, unpublished, Faculty of Art Education, Helwan University.
- 7- Nermin Abdel Fattah Mohamed 2012, creating artistic formulations to enrich metal artifacts in light of the structural and aesthetic foundations of the art of optical illusion, doctoral dissertation, unpublished, Faculty of Specific Education, Ain Shams University, Cairo
- 8- Marwa Rabie Rajab Ibrahim, 2019: The art of visual deception and creating a new vision for the decorative painting, published research, Journal of Art Education, Minya University, Volume 3, Issue 2.
- 9- Nashwa Essam Mohamed. Suha Elrasheed Nimer. Rasha Hassan Hosni. Creating artifacts with the idea of optical deception inspired by the skin of the wild Jamarat. Ramah Journal of Research and Studies, issue (80), June 2023
- 10- Amira Muhammad 2017: The art of optical illusion in developing creative design treatments in interior architecture Architecture and Arts Magazine, Issue 8.
- 11- Samaher bint Abdul Rahman 1991: Introducing new designs for metal jewelry using the idea of optical illusion - King Saud University - Kingdom of Saudi Arabia

- 12-Study by Rania Rashad Tawakkol. Ghada Mohamed 2016: The study is entitled The Art of Optical Illusion and a Course in Designing Felt Pendants Used in Interior Architecture with Limited Space, Journal of Architecture, Arts and Humanities, no. 3.
- 13- Study by Salah al-Din al-Qabnouri, 2020, Standards for the Use of Optical Illusions in Interior Design, Arab Journal for Scientific Publishing, Issue 18.
- 14-Amira Saud 2014, The Art of Visual Illusion and its Impact on Introducing Creative Design Treatments in Interior Architecture, Journal of Architecture, Arts and Human Sciences, Al-Zaytoonah University of Jordan. Fourth Scientific Conference
- 15-<https://ar.wikipedia.org/wiki>
- 16-<https://www.ajnet.me/women/2023/12/14>
- 17- <https://www.google.com/search?q=>
- 18- <https://mawdoo3.co>
- 19- <https://www.edarabia.com/ar/3>
- 20- https://mbse.journals.ekb.eg/article_140576.html