

## Light Phenomenon

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— *Review of* —  
**Integrative  
Business &  
Economics**  
— *Research* —

### ABSTRACT

Color is a visual element of paintings, whose beauty is revealed by light. It inspired the imagination and experimentation to create the paintings related to the conditions of colors in light reflection. The visibility from outside reflecting the images in mind, bringing about changing in time dimension represented its meanings by visual elements of colors. The shapes and forms of light were from the ideas and imagination in mind. It was a series of paintings with glittering colors, titled Light Phenomenon.

The painting works show the harmony between colors in abstract form of any light atmosphere at each period of time. The mixed – media works show the reflections of colors and light on the objects as if the light shines in glittering colors. Those works are installed with the language of painting beauty. The result of creative research is a series of contemporary art works applicable in knowledge development and provided with teaching & learning activities in the future.

**Keyword:** light , reflection of light

### 1. INTRODUCTION

The first spark of light is the beginning of seeing things. Lights in the nature make us see the diversity. There is a rule of nature that defines the way of life in everything, the changing that is lively in this world. Nature therefore is an attraction for those who works for art, creates inspiration to find a way to makes creativity. “Light” is the origin of philosophy, thought, attitude, and a source of knowledge, by observing the transformation in nature. Light and atmosphere in nature is another thing that has relationships with time, which inspired people to discover the truth that they have been looking for. The changing of light through an objects, the shape of light incidence, reflected. It is the way to go deep into the world of nature, which makes an imagination meet the truth in the form of beauty. Nature has shown the truth of beauty, same as the gorgeous of art that communicates in the image language, with concrete, abstract and semi-abstract. Most of the artists search for a point of expression to matches themselves.

Researcher wanted to show the painting that seem likely to have light sparkling in colors, which was an imaginary image to the border of ideas that got composed, lead to a new experience of the researcher in the making of art work. This experiment has succeeded; it had shown the state of shape and color that are works from painting and

mixed media, which came from the imagination of inside world. It was a miraculous thing to see mental picture got transmitted by a wish. It is an artwork that has a shining dimension.

The study and research for seeking an idea, format and technique in an artistic work, the creativity of light phenomenon, presented the state of phenomenon changing its visual art element, reflected emotion and intent, an endless power that shows by the color of visual elements, free from any subconscious mind, in this creative creation, the phenomenon of light.

## **2. THE PURPOSE OF CREATION**

This creation is to work with painting and mixed media concerning the appearances of “light reflection” which is differentiated by determining the light brightness and art installation.

## **3. MATERIALS AND METHODS**

### **The areas of creation**

- 1 Analyze and select materials to create paintings with the acrylic techniques.
- 2 Try out creations and select the materials which the measurement of light brightness enables to work with.
- 3 Create 10 series of paintings and mixed media

### **The methods of creation**

- 1 Study the Philosophy
- 2 Research the theories of light
- 3 Create works of art inspired by the impression on different light appearances

### **The Philosophy**

Mind execution is an activity related to attentiveness. Talking about the association of experiences between the moment perception and the accumulative knowledge, we call it as “coherence thinking” that gives us the conceptual experience. The conceptual experience means the competence in abstract notion and imagination releases that enhance the artist freely search for her own universal state hidden in her subconscious mind. Beauty is an art language that an artist uses her thinking process to create new ideas defined as a visual language.

### **The Light Theory**

As the light theory, it sounds strange that the light waves are invisible for people. We just assume it white or see it rainbow in the sky. Light is a kind of intangible energy; contrarily it helps us see things. This visibility is caused by the light coming from the sun to the objects and reflecting onto our eyes. Light is an essential part of the universe that induces us to find its other nature.

### **The works of art inspired by Light appearances**

As the visual art, there were many artists in the past who were inspired to create their art works under their sub-consciousness towards its beauty and nature. They interpreted those impressions on canvases by using colors and brush strokes. Like those artists in the past, the artists in these days are also inspired by them. This discovery of colors in the light can be considered as a new dimension of technology revolution in a science circle. The accessibility to its nature can bring about the unique conception, inspiring the new theory of creation.

#### 4. THE RESULT AND DISCUSSION

A perfectly planned painting, by creatively using light phenomenon is a research which begins from free thinking. Which then leads to new hypothesis and art experiments, for other to study arts in a systematically dimension. This leads to creating creative knowledge that are essential to visual arts which are the work of art in the area of painting and the mixture of perspective of the shape of colors and appearance of light. The founding is the new method in “Expressing and viewing arts”. The roots of the founding are from the series of imaginary thought of individual perspective which could be consider amazing to see the mental picture broadcasted individually in accordance with the arts of dimension of light.

Creating an art work using the method of acrylic color. 1 artworks on Canvas and 1 on clear acrylic plate.

Comparing the results of the 2 artwork using different material.

##### Comparing table of material between Canvas and Clear acrylic plate

Acrylic Color on Canvas	Acrylic color on a clear acrylic plate
1 Dim light	1 Bright Light
2 Light cannot pass through	2 Light can easily pass through
3 During the making of artwork can easily fix the detail and paint over other area for fixing the artwork	3 Overlaying of color, Color are bright. Cannot be painted over area for fixing the artwork.
4 Must prepare the mixing of color in advance before painting	4 Must prepare the mixing of color in advance before painting
5 Can use various of other painting utensil	5 Must only use the bright color that includes; Purple, Indigo, Blue, Green, Yellow, Red
	6 Cannot use a dim color Includes; Black and Brown
	7 Cannot use any other painting utensil except Acrylic color

From analyzing the uses the clear acrylic plate for painting method, it has the characteristic of bright light which can be applied and use with light.

The experiment are tested for color which is the visual elements of the artwork to shows the “Element of color” by applying the light.



Image1) Method of painting on Canvas



Image2) Method of painting on clear acrylic plate

Creative experimenting and comparing art works using Natural Light during 6.00-8.00am  
It's an hour of day that sunlight hits the working area every day that are sunny.



Image3) Example of comparison of artwork that are strike by natural light



Image4) Example of comparison of artwork that are strike by natural light

### LIGHT PHENOMENON

The creation from light phenomenon 10 set of paintings and mixed media consist of 23 paintings and 12 mixed media artworks as shown below.



Image5) Light Phenomenon No.1/1-2014, Acrylic on canvas 185x185cm  
Painting depicts the light of a dawn of new day.



Image6) Light Phenomenon No.1/1-2014, Acrylic on canvas 185x185cm  
Painting depicts the light of a dawn of new day.

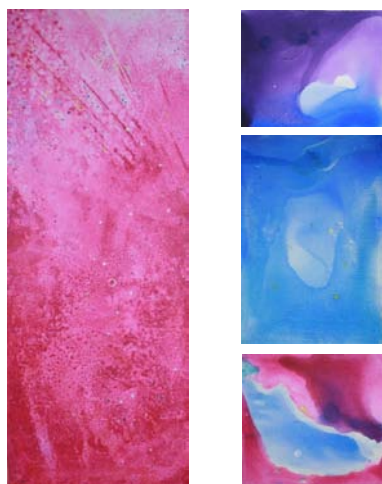


Image7) Light Phenomenon No.1/2-2014, Acrylic on canvas 85x145cm  
Painting depicts the light in a myst.

**The Painting Mixed media on light box**



Image8) Light Phenomenon No.8/2-2014, Mixed media 60x80cm  
Artwork depicts the ray of light shining through clouds on a sunny day.



Image9) Light Phenomenon No.8/4-2014, Mixed media 60x80cm  
Artwork depicts bright light during the day.





Image10) Light Phenomenon No.8/5-2014, Mixed media 60x80cm  
Artwork depicts light on a cloudy day.

**The Painting depicts light on a cloudy day.**



Image11) Artwork depicts light changes between seasons.



Image12) Artwork depicts pattern of light through time

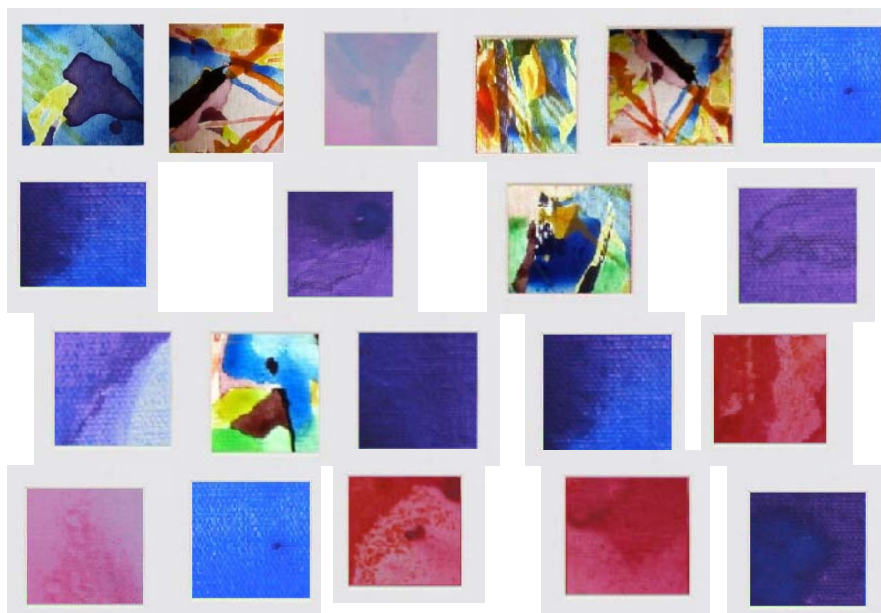


Image13) Pattern composition can be altered



## 5. CONCLUSION

The research of creativity of light phenomenon which the author experienced occurred from my thinking process, imagination, research, study and solution. By working one these artworks confirms this learning profoundly. The relationship between reasons, arts, science and other knowledges helps conclude this creative process below:

1 Analyzing the information of light and colours in nature. Choose materials with certain characters that can be manipulated by placing them in layer to create artworks. Using transparent acrylic sheet instead of canvas provides more means of light to interact with colours, materials, and reflections.

2 Experimenting with light in nature, and bring it as an element in the artworks

3 Changing of colours is caused by light reflecting on shapes and forms within the artworks.

## 6. SUGGESTIONS

The display of light phenomenon

1 Colour has power and special character which can be perceived by its surrounding such as; space, its value, surface, etc. It shows these special features through the reflection of light.

2 Light phenomenon artworks can be displayed in conjunction of the environment .

## ACKNOWLEDGEMENTS

Creating an art work using the method of acrylic color. I painting on canvas and 1 on clear acrylic plate. Comparing the results of the 2 artwork using different material. Acrylic Color on Canvas is dim light and light cannot pass through. During the making of artwork can easily fix the detail and paint over other area for fixing the artwork. Can use various of other painting utensil.

Acrylic color on a clear acrylic plate is bright Light and Light can easily pass through. The clear acrylic plate for painting method, it has the characteristic of bright light which can be applied and use with light.

## REFERENCES

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