

## The Role of Interior Design on User Comfort in a Residence

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**Abstract.** The role of interior design in a residence today is very important. An order that can fulfill our basic need for a means of shelter and shelter, determines the pace and at the same time regulates the form of our activities, nurtures aspirations and expresses the ideas that accompany our actions, affects our appearance, feelings and personality. The purpose of interior design is intended to improve function, enrich the aesthetic value, and improve the psychological aspects of a space. In addition, interior design can increase comfort for residential owners. To find out the role of interior design in supporting user comfort in a dwelling, researchers conducted a study to find out whether there was an effect of spatial planning, lighting, and air temperature together on the comfort of a dwelling. By using quantitative and descriptive research methods. Based on the results of the analysis studied, it can be seen that the role of interior design has a positive and significant effect on the comfort of its users. Good interior design has a surprising impact on the health of one's body. This happens because a person's physiological and psychological health can be affected by the atmosphere and feel of a room.

Keywords: Interior design, Quantitative Descriptive, Psychological Health

### 1. Introduction

The rapid development of technology inevitably changes our mindset to be more practical in every way. The need for housing also has a considerable impact on the development of this era. Now it can be said to be the starting point for the shift in the views of most people about aesthetics in a dwelling. There are several things that need to be considered in building/buying a house, one of which is the concept of the house being offered, as well as the facilities in it. Interior design is very important to note, because the relationship is with user comfort, if the user feels comfortable while in the room, a relaxed and happy feeling will be created. This can affect the health of its users because it is affected by the atmosphere and feel of the room.

We all probably know the trend that has recently become the dream of everyone in the property world, namely residential interior design that has an appeal so that it can make the owner of the dwelling comfortable.



**Figure 1.** Interior Design

The attractiveness in a dwelling can be formed in various ways such as interior design or exterior design. The layout and lighting system is one of the points contained in interior design. In the world of architecture, the layout of space is important in creating comfort in the dwelling. Lighting in architecture has a function to meet space needs for light and can also add aesthetic value to the room. The layout of the room and well-designed lighting can create a room atmosphere that can play with the psychological feelings of its occupants.

Design and physical aspects can create an atmosphere and visual presentation of a space that will affect its occupants. The design and physical aspects of the interior consist of several aspects such as the form of the design, the materials used, the dimensions of the space, the noise in the room, etc.

## 2. Method

This study uses a quantitative research design by looking for data in the field to find out factors, elements of form, and a nature of phenomena in society (Nazir in Atmanta, 2010: 27). Then this type of research uses descriptive research, namely the method used to examine a group of people or objects in the present. The purpose of this research is to make a description of the variables regarding the effect of interior design on user comfort.

Meanwhile, the quantitative research itself was identified by Danim as “a work process that takes place in a concise, narrow, and reductionist manner. Reductionism involves dissecting the whole into parts, the parts of which can be tested quantitatively.

Furthermore, Danim (2013: 5) explains in more detail that quantitative research is carried out to explain, examine the relationships between phenomena, and determine the causality of the variables to test existing theories, and use deductive reasoning. Quantitative research is full of objectivity obtained through instruments that have been tested for validity and reliability.

## 3. Results and Discussion

Occupancy or commonly referred to as a house is a building that functions as a place for its residents to live, generally made as comfortable as possible so that residents feel comfortable when occupying it. The housing consists of various components of materials, including wooden houses, woven bamboo houses, houses made of brick material, and in this modern era many houses are built using precast concrete. The difference in the use of these components depends on several factors including regional/climate conditions, temperature, etc. But the most basic thing is the economic factor. For low-income people, usually using woven wooden house components as an alternative.



**Figure 2.** Part of Interior Design

Interior design is planning about the layout and design in the room and aims to make human users of room activities able to move in the room comfortably and effectively (Dodsworth, 2009). Interior design is a science that studies the design of a work of art that is in a building and is used to solve human problems. One of the fields of scientific study that is based on design science, this scientific field aims to be able to create a built environment (internal space) and its supporting elements, both physical and non-physical. So that the quality of human life in it becomes better. Interior design includes the field of architecture that covers the inside of a building.

#### **4. Conclusion**

In interior design, comfort is as important as the beauty of the design. Without comfort, the user can only enjoy the design as far as the eye goes but it cannot be used by the user hence the value of the design is degraded because interior design depends on comfort, quality and aesthetics. Without comfort in interior design, the aesthetics cannot be enjoyed. Thus, comfort in interior design must be present in the key elements in the interior so that the design can be captured by the viewer.

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