

## **Research Abstract**

**Name of researcher** : zuhairah Abdullah Kalantan

**Research Title** :Interior Design for typical school under Functional.

**R research direction** :Housing and Home management(Interior Design )  
Department –Faculty of home economic king Abdul Aziz University.

The recent years has distinguished, in the world, with plenty of Educational studies, including modern educational studies, which have effective impact on develop and promote community through preparing the youth according to modern standards of teaching methods and educational curriculums. The changes of scientific material have associated with requirements and facilitated services, to make integral scientific system, which go side by side with developments in education field.

At point, the kingdom aims to provide educational atmosphere can achieve moral, healthy and psychological stability for students through providing number of modern model schools, based on specialized scientific studies in the field of Architectural Engineering and Interior Design.

Through field visits for study I have noted some of defects in the designed and engineering side for current model design of educational building, which may effect negatively on educational aspects of learning performance for students with functional performance of teachers in conveying their scientific message in better way.

This is what motivated the study to think about research theme (Interior Design of Model Schools in the light of Functional School), to study universal Designed and engineering standards , the extent of performing them for local educational buildings in Makkah city, benefit of principles and theory of functional school to reach developed model design for study classes in Educational buildings , through practicing the most important universal theories for architecture" Le Corbusier" leader of functional school in the field of architecture and interior design (Modular Theory)and use it in preparing educational atmosphere for model study classes in form help to achieve functional and aesthetic aspect in design.

The study aims to recognize the proper elements existing in interior design for model elementary schools for girls , in the light of basics and concepts of functional school, where it is one of universal schools in designing through"

### **Objective**

assessing current situation for interior design of girls` model school building for elementary stage in Makkah city to practice basic standards to design model school building.

Specify basics and designing principles than can help in designing complete model school building for elementary stage and archiving through it fit interior

adapting for educational process and modern educational means which proper to Makkah environment.

Finding measured tool for interior design elements of model elementary schools through study Modular Theory of architecture Le Corbusier which considered as reference the specialties return , to benefit of it in designing local model schools.

### **Methodology:**

The method used in this study, is" analytical descriptive method"

### **Hypothesizes:**

The study assumes that:

there is defect on practicing basic standards to design girls model school building in Makkah city in view of survey, and spaces numbers obtaining to practice various activities and also the way of adapting local spaces through interior design elements .

there is a relation between philosophy of functional school and interior design of girls model elementary schools.

### **Study Results:**

The model of Structure implies in designing educational building the follows:

- 1) Meet standards and specifications of basic and effected elements for interior design for spaces of school classes

Connect interior design with external one of surrounding environment

- 2) Use opening planning during design study classes and make the space shared to teach several subjects.
- 3) Connect modern technology means and communications with learning process.

\* The space of study class of opening planning and multiuse allows

1-Possibility of reducing costs of making several spaces to teach various subjects

2 -Adapt educational atmosphere through arranging educational corners according to activities inside the space with creating atmosphere of familiarity and social relation among students to work in groups according to furniture arrange for different corners of activity of class which require arrange of study time during practicing educational programs over the day

\* There are some defects in designing local educational buildings in the psychical sides and psychological requirements through

A) defect in provide ( Games halls, Entertainment means, outside class learning, times up during learning to achieve rest and reactivate with variety of these activities)

B)lack of attention for some basic element that effect on the interior design of class room

B) Less existence of clear colored plan inside study class corresponding to activity requirements inside the space and requirements of local climate.

C) Less consideration human measurements for element of treads and nature of surfaces in front of students according to agronomic factors.

\*-Correspondent principles of functional theory for architecture La Corbusier with functional neediness for primary model school in Makkah through the following:

1- possibility of importance raising building on columns with provide interior courtyard under the building or courtyard to provide movement beneath the building to allow idea of learning outside the class , in addition to provide air condition to ground floor in agricultural activities of students away of dry climate , or region of students waiting in the end of shift away of swarm in the exit gate or as ensuring of entrance sites inside the school.

2-Possibility to benefit of proof grand design as moisten area or as external noises isolation in addition to use it as mean of receiving lessons for subjects related to nature or as site of practicing non class activities

3-The golden sections benefit in distributing activities areas on walls to fulfill wall function according to students dimensions with unit of aesthetic coordination.

4-It can be applied Modular theory to specify content dimensions of interior elements for space according to users dimensions and fulfill the most utility of space contents for ore purposes.

### **Study Recommendations:**

- Depending on study results , the researcher recommend follows:

- Necessaries of existing connection between maker study curriculums and spaces designer
- using thoughts and theories of functional school during school building design because of what they provide of basics to perform functional side for some educational buildings requirements.

The designer should concern with study class planning by providing educational corners in correspondence to modern curriculums.

- Encourage country to scientific searches which benefit in improving design of modern model schools to walk together with globalization.