

## **Scientific system is an entry point for the development of theoretical and applied research in design**

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### **Abstract:**

The increase in interest in science and scientific research, as a result of societal ambition in development and progress, has made different societies adopt different scientific methods, in preparing theoretical and applied research, but there are some studies that did not follow the steps of scientific research in formulating the form and content. Experts and professors specializing in providing some observations and directions to support researchers in the development of scientific research, from this point of view was the research problem that stresses the importance of the policy of development and intellectual creativity, in the scientific system, in order to contribute to providing positive solutions in the development of scientific research, and from this point of view can be identified The research problem in the following question: How can the scientific system be an important entry point in the development of theoretical and applied research in the field of design? Where the research assumes that the scientific system is the primary approach in developing theoretical and applied research in the field of design, and the research aims to activate the development policy in the formulation of theoretical and applied research while directing attention to theorizing applied research in the manner of theoretical research steps and dealing with the importance of research revealing the difference between formulating theoretical research And applied design in the field of design and contribution to the process of effective development in preparing scientific production in the scientific system, and the research methodology deals with dealing with the descriptive and analytical approach in several axes linked in a theoretical framework, first: strategies for preparing theoretical and applied research, and secondly: the components of formulating the topic of theoretical and applied research, Third: the formulation of goals and importance in scientific research, and fourth: the characteristics of interest in preparing theoretical and applied research, and fifth: the results and recommendations, the most important of which is that taking into account the scientific objectivity in preparing the research away from subjectivity, and that the steps of preparing theoretical research are the same as the steps of preparing research and applied.

### **Keywords:**

Scientific system؛ theoretical research؛ design

### **Research problem**

The preparation of theoretical and applied research differs in terms of content in the way it is prepared from the method of preparing scientific studies "masters and doctorates" after the BA stage. Nevertheless, this difference has not been evident in some research published in scientific journals and conferences, as no difference or development appears in Preparing it after obtaining the master's and doctoral degrees, despite this there is a commitment to the standards and steps of scientific research in the formulation of the methodology, but without any

development in the content and content, that is, the preparation of research has become limited to quantity and not quality, which appears that there are many challenges facing researchers during Formulation and preparation of new scientific research, it is evident that a big issue appears, which requires the use of experts and professors specializing in providing some observations and directions to support researchers in developing scientific research. From this standpoint, the research problem was that stresses the importance of the policy of intellectual development and creativity in the scientific system, in order to Contribute to providing positive solutions to the development of scientific research, and from this standpoint, the research problem can be identified in the following question: How can the scientific system be an important input in the development of Theoretical and applied research in the field of design?

### **Force Search**

- The scientific system is the main entry point in developing theoretical and applied research in the field of design.

### **Research Aims**

1. Activate the development policy in formulating theoretical and applied research.
2. Directing attention to theorizing applied research in the manner of theoretical research steps.
3. Strengthening the linkage between theoretical and applied research in the field of design.

### **Search Limits**

The limits of research are limited to the method of formulating theoretical and applied research when preparing scientific production in the field of design.

### **Research Importance**

1. Exposing the difference between formulating theoretical and applied research in the field of design.
2. Stand on the importance of linking theoretical and applied research in the fields of arts.
3. Contributing to the effective development process in preparing scientific production in the scientific system.

### **Research Methodology**

The research methodology deals with the descriptive and analytical approach in several axes linked in a theoretical framework.

First: Strategies for preparing theoretical and applied research.

Second: The elements of formulating the topic of theoretical and applied research.

Third: Formulating goals and importance in scientific research.

Fourth: Characteristics of interest in preparing theoretical and applied research.

Fifth: Findings and Recommendations.

### **References:**

1. 'ahmad badr , 'asul albahth aleilmia watarqah , alkuayt , wikalat almatbueat , 1978
2. jabir eabd alhamid wa'ahmad khayri kazim , manahij albahth fi altarbiat waealam alnafs , alqahrt 1978
3. eabd alrahmin bidawi , manahij albahth aleilmii , alqahrt , dar alnahdat , 1963

4. eabd allah eabd alddaeim , altarbiat altajribiat walbahth altarbuiu , bayrut , dar aleilm almalayin , 1981.
5. eabd alkhaliq yusif , tiknulujia almaelumat wadawruha fi tatwir albahth altarbwii , alqahrt 2001
6. eali 'iibrahim hasan , aistikhdam almasadir wa'asalib albahth , alnahdat almisriat , alqahrt 1980
7. muhamad aljawhari waeabdallah alkhariji , manahij albahth alaijtimaeia , dar alkitab liltawzie , alqahrt 1982.
1. Van Dalen D.b. Understanding Educating Research.New York: Mc- Gruw Hill. Co. 1973
2.  
<https://www.sayidaty.net/category/tags/%D9%85%D9%86%D9%87%D8%AC-%D8%B9%D9%84%D9%85%D9%8A>