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Introduction:

The psychological Factors as well as the mental aspects play on important role in the life of man .

No doubt that the nature of scientific research impose on the Researcher of Finiding up the scientific research characteristics such as exactness, objectivity, cautiousness and strong observation.

If the scientific research in its meaning is related to the mental or intellectual.

Charactiristics of the research on the other side, it is related to the psychological factors which play on effective role in the researcher work and which the various studies revealed this aspects.

The psychological factors reflect the nature of the researchers work and the extent of their interactions with their problems. Thus which the researcher present is the extent of his personality what is important in that is the revealing the psychological factors of the researcher in general and knowing the personal profil of the researcher. Especially the researcher in educational science.

The porpose of the study:

The present study aims at knowing the personal traits

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which distinguish the researcher in educational science and revealing the extent of the psychological factors of the researchers in particular, also the revealing of the existence of differences between the researchers in the educational sciences and the physical sciences concerning to the personal traits of the scale.

The previous studies:-

The present study dealt with the previous studies as follows:-

- Studies dealt with the researchers personal traits in different aspects of sciences.
- Studies dealt with the researcher personal traits especially the creatives in different aspects.
- Studies dealt with the personal traits which distinguish certain category and vocational, study which have direct link to the subject of the present study.

The hypothesis of the study:

In the light of the previous researchers, the present hypothesis were formed as follows:-

- 1- The traits of researchers in educational science are distinguished from the traits of the researchers in the physical sciences.

- 2- There are common traits between the researchers in the educational sciences and physical ones.
- 3- There are significant differences in the personal traits of the researcher in the educational science (Male & Female).
- 4- There are significant differences in the personal traits of the researchers in the physical sciences (Male & Female).
- 5- There are significant differences between the researchers (Male) in educational sciences and the researchers (Male) in physical sciences.
- 6- There are significant differences between the researchers in educational sciences (Female) and the researchers in the physical sciences (Female).

Tools of the study:

The researcher used the following Tools:

- 1- Sixteen personal factors questionnaire.
- 2- Personal profile.
- 3- Personal inventory.

Sample and procedure:-

The researcher applied the tools of the study on sample consisting of 130 female and male researchers in educational sciences, they are randomly selected from those who registered for M.A and ph.D. in

fundamental of education and curriculum departments and 80 female and male resercher who are registered for the M.A. and Ph.D. in the physical sciences.

The statistical style:-

The researcher used the following statistical device:

- 1- Factorial analysis .
- 2- Analysis of variance.
- 3- T. test.
- 4- Cofficient of correlation.
- 5- Burt - Banks equation.

The results of the study:

The results of the study contain two part :

The first part: The results of factor analysis:

- 1- The factor analysis revealed (8) factor for the researchers in the physical sciences:
Emotional stability, low ergic tension, praxermia, cychothymia, Adventurous, Radicalism, original thinking.
- 2- The factor analysis revealed (9) factors for the researchers in the educational sciences.
Daminance, super ego strength, cautiousness, low motive tension, cyclothemia, vigor, confident adequeacy.

- 3- The results of factor analysis revealed that there are (8) factors represent the common traits of the researchers in educational and physical sciences low motive tension, cautiousness, Dominance, shrewdness, super-ego strength, vigor and freeness.

The second part: The results of analysis of variance and T. test:

- 1- There are significant differences between the researchers in educational sciences (female -Male) in Emotional balance, Adventurous, shrewdness for the good of Male.
- 2- There are significances between the researchers (female - male) in physical sciences in freeness, cyclothymia, for the sak of female and adventurous and selfsecure for the sak of male.
- 3- There are significant differences between the researchers in educational sciences (Male) and the physical sciences in cautiousness, shrewdness, cyclothemia for the good of male in the educational sciences, and selfsecure for the sak of physical science.
- 4- There are no significant differences between the reshearches in educational sciences (femal) and

the physical sciences (female) for all traits.

Discussion of results:

The researcher discussed results of the present study through the theoretical part and previous studies.

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" A Study of Some Personal Traits
Which Distinguish the researchers in Educational
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