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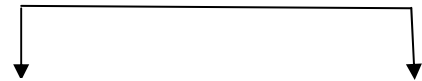
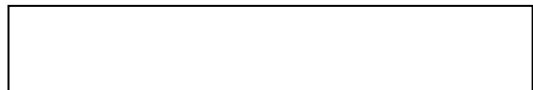
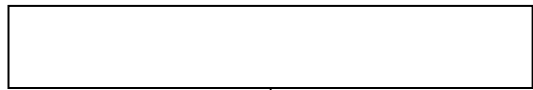
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The Effect of Using Sokhman's Inquiry Style on Students at Al-Hussein Bin Talal University

*Talal A. Al- Zoubi**

ABSTRACT

This study aims at investigating the effect of using Sokhman's inquiry style in teaching (Methods of Teaching Science) for female students majoring in (Class Teachers) at Al-Hussain Bin Talal University upon their achievements of scientific concepts and forming total conceptual structure and upon their inquiry behaviors during the applications phase of practical applications at schools. The sample of study included all the female students who registered in (Methods of Teaching Science) course during the first semester of academic year 2004-2005. The number of the sample was (76) female students and they were distributed randomly into two sections, one section was chosen randomly as an experimental group consisted (38) students, the other section as control group consisted (38) female students. For the purpose of implementing this study, the researcher has prepared three tools; the test of scientific concepts achievement; the test of conceptual map to investigate the female students' conceptual structure and finally the model of learning behavior classification inside the class room. The study researched the following conclusions:

- There was a statistical difference of (0.05) due to teaching methods and Sokhman's inquiry style in favor of the experimental group in:

1. Achieving scientific concepts.
2. Level of conceptual structure

The study found also that there was no statistical difference due to the teaching method, concerning the percentage of inquiry behavior between the two groups. In light of these results, the study reached the following recommendations:

- Adopting the inquiry teaching models in teaching all courses at the university.
- Training the faculty members on the inquiry approach in teaching.
- Conducting more studies in other universities about the usage of the inquiry style in teaching.

Keywords: Sokhman's Style, Inquiry, Methods of Teaching Science, Al-Hussain Bin Talal University.

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