

ABSTRACT

EXAMINATION OF SECONDARY SCHOOL STUDENTS' VIEWS TOWARDS SCIENTIFIC KNOWLEDGE AND SCIENTIFIC ATTITUDES IN TERMS OF THEIR DEMOGRAPHIC CHARACTERISTICS AND ACADEMIC ACHIEVEMENT

Bariř ÖZDEN

M.Sc. Thesis, Department of Elementary Education

Supervisor: Assist. Prof. Dr. Nilgün YENİCE

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The aim of this study is to determine the level of Secondary school students' views towards scientific knowledge and Attitudes, and also to examine students' views towards scientific knowledge and scientific attitudes in terms of their demographic characteristics and academic achievement. Sample of this study consists of 6th, 7th and 8th grade students in total 634 from low, medium and high socio-economic level elementary schools in center district of Aydın city in 2011-2012 academic year. In order to collected data from students' applied to "Scientific Knowledge Towards Views Scale", "Scientific Attitudes Scale" and "Personel Information Form". In analysing data, Kruskal Wallis H-test, Mann Whitney U-test and Correlation analyze were performed with descriptive statistical methods (Frequency, Percent, Average, Standard Deviation). According to the results of research, it was found that there was a significant difference between students' "views towards scientific knowledge with scientific attitudes" according to their gender, grade level, their parents' educational status and their family' socioeconomic status. Furthermore, it was revealed that there was a positive relationship between students' "views towards scientific knowledge" and "scientific attitudes" and academic achievement. Moreover, it was determined that there was a positive relationship between the Secondary school elementary students' views towards scientific knowledge and attitudes scientific.

Key words: Secondary School Students', Views Towards Scientific Knowledge, Scientific Attitudes, Academic Achievement