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**THE STUDY OF SCIENCE PROCESS SKILLS OF EIGHTH GRADERS  
WITH REGARD TO SEVERAL VARIANTS**

**ABSTRACT**

The purpose of this research is to determine 8th grade primary students process of science skills gainings in Scinence and Technology course. It is searched whether there are meaningful differencez between students science process skill levels an their personal charecteristics such as gender, parents education occupations, incomes and the situation of schools socio-economic environments. In addition, it is tried to determine whether there are meaningful differences between students level of sicince process skills and their attitudes towards science course with academic achievements.

For this aim, Science Porcess Skill Test, Scientifc Attitude Scale towards Science and Technology Course and Personal Infrmation Form have been applied to the students. According to the results of reliability analysing, reliability coefficient value is found as .78. Internal Consistency of Cronbach Alpha value for Science and Technology course found as .87. These tests have been applied to 650 8th grade students, determined through purposeful sampling method in upper, middle and lower socio-economic level primary students in the control district of Denizli, connected to National Education Ministry. The students 2010-2011 fall semester report cord grades in Science and Technology course are taken into account for their academic success.

In analysing data; t-test, variation analysing, arithmetic average an Standard deviation are use to determine the differences between students science process skill levels and their personal characteristics. Moreover, pearson moment corelation is made to determine the differences between science process skills and attitude and academic success towards science course.

According to the results of this research, it is found that there are certain differences between the students science process skill levels and gender, parents education, occupation, income, also socio- economic environments of school. It is also found that the students science process skills are in the medium level. Finally there is a lower, positive and

meaningful relationship between the students science process skill levels and the attitude towards science course.

**KEY WORDS:** Science and Technology Course, Science Process Skills, Attitudes towards Science, Academic Achievement, Elementary Students.