

INVESTIGATION OF THE INDIVIDUAL INNOVATIVENESS LEVELS OF THE PRE-SERVICE BIOLOGY TEACHERS

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Abstract

This study aims to find out the individual innovativeness levels of the pre-service biology teachers. The study group included a total 53 students (40 of whom were female, and 13 of whom were male) attending the Department of Biology at Ziya Gökalp Education Faculty of Dicle University. The survey model was used as research model. As the data collection tools “Individual Innovativeness Scale” developed by Hurt, Joseph and Cook (1977) and adopted into Turkish by Kılıçer and Odabaşı (2010) were used for the research. The scale included a total of 20 items. Among these 20 items, 8 of them were negative, and 12 of them were positive items. For the analysis of the data obtained, descriptive statistics, independent groups t-test and one-way analysis of variance (ANOVA) were used. As a result of the analysis it can be seen that pre-service biology teachers’ individual innovativeness levels are “high”. Although there is no statistically significant difference, 5th grade is more innovative than the other classes and the females are also more innovative than the males.

Keywords: Pre-service biology teachers, innovativeness, individual innovativeness.