

The Effect of Micro Mobile Science Laboratory Set on Teachers' Views towards Physics Experiments

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ABSTRACT There is not any single study in the literature on Mobile Science Laboratory type supported by micro computer technology created for the first mobile science laboratory. This study was conducted to investigate science teachers' evaluations regarding mobile science laboratory experiment sets and their applications in secondary education level both quantitatively and qualitatively. In the scale that was developed to achieve this aim, in the scale for teachers there are 15 questions. Reliability of the scale applied to teachers was found to be .92. The scale prepared for teachers was applied to 71 science teachers in Kutahya Science High School and in all Anatolian High Schools. Frequency distribution was used to assess the significance of the results, t-test and Wilcoxon Signed-Rank Test were used for pair comparisons, One-way variance analysis was used for comparisons between more than two groups and Pearson moment correlation coefficient analysis was used to assess relationships between demographic information and the questions. Results of the study showed that micro mobile science laboratory experiment set was seen as beneficial by most science teachers (.92) in terms of applicability at school and its performance regarding its comprehensibility by students.