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## The Impact of Implementation of Simple Experiments on the Pupils' Positive Attitude in Learning Science Contents in Primary School

### Abstract

This paper presents research that has been carried out to analyze a relation between implementation of simple experiments in teaching sciences, and pupils' positive attitude towards learning physics. Investigation was conducted on a random sample of 495 sixth – and seventh-grade pupils from primary schools in Novi Sad. The obtained results are statistically treated. Analysis of results shows that the use of simple experiments for a particular case is related to pupils' attitude toward learning physics. Also, it is shown that approximately twice higher percentage of pupils that were taught with the use of hands-on experiments like to learn science than pupils who were taught with the use of demonstration experiments or without experiments. They do not learn by heart, they understand science and it helps them to develop a scientific world view that makes it easier for them to find their way in today's world.

**Keywords:** *simple experiments, hands-on experiments, demonstration experiments, pupils' attitude, physics teaching.*

### Introduction

Results of testing pupils' knowledge in the Republic of Serbia, which reflect the degree of achievement of goals and fulfillment of the tasks of teaching natural science (physics) show that pupils that finish primary school and compulsory education do not have sufficient knowledge. Applicable knowledge test results