

Date & Time

Friday, 9th August 2019 @ 3.15 pm

Venue

Al-Farabi Seminar Room, Second Floor,
INSPEM

Presenter

Mdm. Nur Raidah Salim

Research Officer
Laboratory of Statistical & Computing Services,
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Topic

**The Effectiveness of Problem Based Learning Strategy:
An Experimental Study**

Abstract

World today requires students to acquire problem solving and communication skills besides good procedural and conceptual knowledge of mathematics. This study examined the effectiveness of Implementing Problem Based learning (PBL) strategy on mathematical values among students in secondary schools. A quasi-experimental nonrandomized control group post-tests design was conducted. Students' mathematical values were measured using a set of questionnaire consisting of values in mathematics education. The results of this study showed the students from the PBL strategy group acquired significantly higher scores than the conventional instruction strategy group in the overall mathematical values and the subscales of accuracy, conjecturing, consistency, creativity, effective organization, efficient working/strategy, flexibility, and systematic working. Therefore, the PBL strategy is recommended in the teaching and learning of mathematics for it will help students to understand mathematical values better when compared to the conventional instruction strategy.

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