**Implementation of Problem Based Learning (PBL) To Enhance Creative Thinking Ability and Mathematical Communication Students

Widianjani

Abstract**

This study is a quasi experimental study by taking samples of class VII-1 and VII-2 in SMP PGRI Warungkondang Cianjur. The results showed that 1) there is an increase in students' creative thinking ability given mathematical problem-based learning and conventional learning given. 2) the ability to think creatively high math student group, the group is, and the lower group who received problem-based learning is not the same as the ability to think creatively high math student group, the group is, and the lower group who received conventional teaching. 3) high ability students creative thinking based on the class of problems better than the high-ability students in conventional classes; Students are capable of creative thinking in the classroom-based problems better than students in the class capable of being conventional; Low ability students creative thinking in the classroom-based problems better than the low-ability students in conventional classes. 4) there is an increase in students' mathematical communication skills given problem-based learning and conventional learning given. 5) communication skills math students high group, the group is, and the lower group who received problem-based learning is not the same as communication skills a high math student group, the group is, and the lower group who received conventional teaching. 6) high-ability students in the classroom-based communication problems better than the high-ability students in conventional classes; Students are capable of communication in the classroom-based problems better than students in the class capable of being conventional; Low-ability students in the classroom-based communication problems better than the low-ability students in conventional classes. 7) Based on student attitude questionnaires generally have a positive attitude towards problem-based learning.

Keywords: Problem Based Learning (PBL), creative thinking mathematically, mathematical communication.