ANALYSIS OF DIFFERENCES IN CREATIVE THINKING ABILITY OF STUDENT THROUGH THE APPLICATION OF PROBLEM BASED LEARNING MODEL AND COOPERATIVE LEARNING MODEL JIGSAW TYPE

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ABSTRACT

The aim of this research is to know the difference in creative thinking ability of student taught by Problem Based Learning and Cooperative Learning Model Jigsaw type. This research aim is to know the description creative thinking of student in Exponent Matter X Grade SMA Budi Murni 2 Medan.

The kind of research is quasi-experimental research. This research used to know the obstacle and difficulty of student in solving Exponent Subject. Subject in this research is Student Class X_B and X_C SMA Budi Murni 2 Medan amount 80 student. The object of this research is PBL and Jigsaw in Exponent subject SMA Budi Murni 2 Medan Academic Year 2012/2013.

Intrument of this research in collecting data is pretest and postest and for analyse data done a few step that is reduction data, desciption data and take a conclusion. For pretest from 3 question valid obtained relibility is 0,754. For test of creative thinking (postest) obtained reliability is 0,723 so can be concluded that all question is reliabel.

From this research obtained that the average score of the mean of post test in creative thinking ability of students on Problem Based Learning Class is 62,375 and the mean of post test on Cooperative Learning Model Jigsaw type Class is 54,425. There are difference in creative thinking ability of student taught by using Problem Based Learning and Cooperative Learning Model Jigsaw type. Hypotesis test for creative thinking do in postest data and test by using test of two difference average that is t-test. The test result in level and df $= n_1 + n_2 - 2 = 78$ with $t_{calc} =$ 2,280 obtained that $-1{,}994 < t < 1{,}994$, can be seen that tcalc not in interval. It means, Ho is rejected and Ha is accepted. So can be concluded that there are differences in creative thinking ability of students taught by using Problem Based Learning and Cooperative Learning Jigsaw type.