

THE DIFFERENCE OF STUDENT'S MATHEMATICAL CRITICAL THINKING ABILITY TAUGHT BY PROBLEM BASED LEARNING MODEL AND COOPERATIVE LEARNING MODEL THINK-PAIR-SHARE (TPS) TYPE IN SMPN 2 LIMA PULUH

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ABSTRACT

This research was conducted at SMPN 2 Lima Puluh academic year 2014/2015. It intended to know whether student's mathematical critical thinking ability in Problem Based Learning classroom is better than student's mathematical critical thinking ability in cooperative learning model Think-Pair-Share (TPS) type classroom at SMPN 2 Lima Puluh.

The population of this research was all students at SMPN 2 Lima Puluh. The sample was taken from grade VIII by purposive sampling technique, classes selected were VIII-B as an experimental class I taught by Problem Based Learning Model and VIII-C as an experimental class II taught by Cooperative Learning Model Think-Pair-Share type. Each class consists of 30 students as sample of research. Research design of this study was posttest-only comparison group design with the technique of data analysis used is independent sample t-test.

Result of this study with $\alpha = 0.05$, showed that $t_{\text{calculation}} > t_{\text{table}}$ then H_0 is rejected and H_a is accepted. It means that student's mathematical critical thinking ability in Problem Based Learning classroom is better than students' mathematical critical thinking ability in cooperative learning model Think-Pair-Share (TPS) type classroom at SMPN 2 Lima Puluh.