ABSTRACT

Jessica, Efforts to Improve Critical Thinking Skills Students in Learning Mathematics Through Guided Inquiry Learning Model to Content Triangles and rectangles in Class VII-F SMP Negeri 7 Jakarta.
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This study aims to improve students' critical thinking skills in mathematics learning through guided inquiry learning model on triangular and quadrilateral material in class VII-F SMP Negeri 7 Jakarta. This study uses indicators of critical thinking skills, namely: (1) identifying and justifying, (2) generalizing, (3) analyzing algorithms, and (4) solving the problem.

This research is a class act that is reflective. Steps being taken, including planning, implementation, analysis, and reflection. Actions carried out in three cycles consisting of two meetings in each cycle. The data were analyzed quantitatively and qualitatively. Data were analyzed quantitatively in the form of critical thinking skills test results, while the data is analyzed qualitatively in the form of interviews, observation sheets, and results documentation.

The results showed that the study of mathematics by using guided inquiry learning model can improve critical thinking skills class VII-F SMP Negeri 7 Jakarta. The average value of critical thinking skills of students of class VII-F in the first cycle is 58.10 with 25% of the 36 students have the critical thinking skills categories. In the second cycle the average value of critical thinking skills class VII-F is 69.91 to 55.56% of the 36 students have the critical thinking skills categories. In the third cycle the average value of critical thinking skills class VII-F is 80.79 to 86.11% of the 36 students have the critical thinking skills categories. Acceptable values are in the range $0 \leq x \leq 100$ students. Improved critical thinking skills achieved by SP1 is 83.33 in the first cycle, 100 in the second cycle, and 100 in the third cycle. Improvement is achieved by SP2 is 75 in the first cycle, 91.67 in the second cycle, and 100 in the third cycle. Increased obtained SP3 reached 83.33 in the first cycle, 91.67 in the second cycle, and 100 in the third cycle. Improvement is achieved SP4 is 75 in the first cycle, 75 cycles II, and 91.67 in the third cycle. Increased achieved SP5 is 75 in the first cycle, 83,33 in cycle II, and 100 in the third cycle. SP6 improvement achieved is 66.67 in the first cycle, 75 in the second cycle, and 83.33 in the third cycle. SP7 improvement achieved in the first cycle was 41.67, 41.67 in the second cycle, and 75 in the third cycle. Increased achieved SP8 is reached 41.67 in the first cycle, 75 in the second cycle, and 83.33 in the third cycle. SP9 improvement achieved is 41.67 in the first cycle, 50 in the second cycle, and 75 in the third cycle.

Keywords: *Critical Thinking Skills, Inquiry Learning Model Guided, triangle and rectangle*