

ABSTRAK

INDAH PERMATA SARI. The use of PQRSST strategy to increase student's mathematics problem solving skill in Class X-1 of SMK Kesdam Jaya Jakarta. Mini Thesis. Jakarta: Mathematics Education Study Program, Mathematics Department, Mathematics and Science Faculty, State University of Jakarta. 2017

The purpose of this research is to increase student's mathematics problem solving skill by using PQRSST strategy in program linear subject in Class X-1 of SMK Kesdam Jaya Jakarta. Mathematics problem solving skill has four solving steps, they understand the problem, planning to solve the problem, solving the problem, and recheck all of the steps before.

This research is an action research in class which held in collaborative and participative ways. Action in this research have done in 3 cycles, first cycle held in 3 meets, second cycle also in 3 meets, and third cycle in 1 meet. In every cycle, students were given post test in order to measure their mathematics problem solving skill. Instrument uses for collecting data in this research are observation instrument, test instrument, field note, documentation tools, and interviews manual. Collecting data method in this research was done by observation, test, interview, and documentation. Data analysis was done in descriptive qualitative and quantitative ways.

The result of this research shows the use of PQRSST strategy while learning mathematics can increase student's mathematics problem solving skill. It is shows by increasing score of student's post test in the end of the cycle. Score of research subject 1 is 41 in first cycle, 69 in second cycle, and 74 in last cycle. For research subject 2 scored 50 in first cycle, 67 in second cycle, and 70 in third cycle. Score of research subject 3 is 30 in first cycle, 71 in second cycle, and 72 in third cycle. For research subject 4 scored 74 in first cycle, decreased to 51 in second cycle, and increased again to 82 in third cycle. Score of research subject 5 is 79 in first cycle, 89 in second cycle, and 100 in last cycle. For research subject 6 scored 96 in first cycle, decreased to 80 in second cycle, and increased again to 100 in third cycle. Last is score of research subject 7 is 64 in first cycle, 82 in second cycle, and 95 in third cycle.

Keywords: Mathematics Problem Solving Skills, PQRSST Strategy, Linear Program