ABSTRACT

MEGA RAHMAWATI. <u>Upaya Meningkatkan Kemampuan Komunikasi</u> <u>Matematis Siswa Kelas VIII-8 SMPN 216 Jakarta Melalui Penerapan Strategi</u> <u>Preview, Question, Read, Reflect, Recite, and Review (PQ4R)</u>. Skripsi. Jakarta: Program Studi Pendidikan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Jakarta, 2016.

Based on observation and initial tests of mathematical communication skills Students Class VIII-8 216 Jakarta Junior High School, there are still at the criteria C, so these capabilities need to be improved. In this case, the PQ4R strategy can be used as an alternative in the implementation of learning mathematics in the classroom. PQ4R strategy consists of six stages, namely preview, question, read, reflect, recite, and reviews. This study aims to improve the mathematical communication skills of students class VIII-8 216 Jakarta Junior High School.

This research is a classroom action research carried out in three cycles, and each cycle consisting of four phases: planning, implementation, observation, and reflection. Students are given a test at the end of each cycle to measure their mathematical communication skills. The research lasted from April to May 2016 on Chapter Flat Side Geometry in Class VIII-8 216 Jakarta Junior High School Period 2015/2016, the total number of students are 36 and six students as research subject.

The result showed that the learning of mathematics through PQ4R strategy can improve students' mathematical communication skills. It is shown by an increase in the average score of each research subject in every cycle. RS1 score reached 3 in cycle 1, 3.33 in cycle 2, and 4 in cycle 3. RS2 score reached 3 in cycle 1, 2.67 in cycle 2 and 3.33 in cycle 3. RS4 score reached 2.67 in cycle 1, 3 in cycle 2, and 3.33 in cycle 3. RS4 score reached 2.67 in cycle 2, and 3 in cycle 3. RS5 score reached 1.67 in cycle 1, 2 in cycle 2, and 3 in cycle 3. RS6 score reached 2 in cycle 1, 2.67 in cycle 2, and 3 in cycle 3. The number of students who reached the criteria B also increased in each cycle. In cycle 1 is 16 students or 44.44% of the total number of students, in cycle 2 is 20 students or 55.56%, and in cycle 3 is 28 students or 77.78%.

Keywords: Mathematical Communications, PQ4R Strategy