

## ABSTRAK

**Putri Yani Simangunsong, NIM 4183311028 (2018). Penerapan Model Pembelajaran Kooperatif Tipe *Reciprocal Teaching* Untuk Meningkatkan Kemampuan Komunikasi Matematis Siswa Kelas VII SMP Swasta Gajah Mada.**

Penelitian ini bertujuan untuk: (1) Meningkatkan kemampuan komunikasi matematis siswa kelas VII SMP Swasta Gajah Mada dengan penerapan model pembelajaran kooperatif tipe *Reciprocal Teaching* dan (2) Mendeskripsikan peningkatan kemampuan komunikasi matematis siswa setelah model pembelajaran kooperatif tipe *reciprocal teaching* diterapkan di kelas VII SMP Swasta Gajah Mada. Penelitian ini menggunakan jenis penelitian yaitu Penelitian Tindakan Kelas yang dilaksanakan dalam dua siklus dimana dalam setiap siklus mencakup tahap perencanaan, pelaksanaan, observasi dan refleksi. Subjek dalam penelitian ini adalah siswa kelas VII SMP Swasta Gajah Mada Tahun Ajaran 2021/2022 dengan jumlah 28 siswa. Objek penelitian ini adalah peningkatan kemampuan komunikasi matematis siswa dengan menerapkan model pembelajaran kooperatif tipe *Reciprocal Teaching* pada materi bangun datar segi empat. Pada setiap akhir siklus, siswa diberikan tes kemampuan komunikasi matematis. (1) Dari hasil penelitian diperoleh bahwa penerapan model pembelajaran kooperatif tipe *Reciprocal Teaching* dapat meningkatkan kemampuan komunikasi matematis siswa kelas VII SMP Swasta Gajah Mada. (2) Dari hasil penelitian yang didapatkan sebelum diterapkan model pembelajaran kooperatif tipe *Reciprocal Teaching* nilai rata-rata kelas adalah 36,01. Setelah diterapkan terjadi peningkatan dimana pada siklus I, nilai rata-rata kelas adalah 62,63 dan 61% dari jumlah siswa dalam kelas memiliki kemampuan komunikasi matematis dalam kategori sedang. Pada siklus II, dari hasil penelitian diperoleh nilai rata-rata kelas meningkat menjadi 81,14 dimana 86% siswa dalam kelas sudah memiliki kemampuan komunikasi matematis dalam kategori sedang. Berdasarkan uraian tersebut dapat disimpulkan bahwa kemampuan komunikasi matematis siswa meningkat setelah diterapkan model pembelajaran kooperatif tipe *Reciprocal Teaching* di kelas VII SMP Swasta Gajah Mada Medan.

**Kata kunci:** *Reciprocal Teaching*, Kemampuan Komunikasi Matematis

## ABSTRACT

**Putri Yani Simangunsong, NIM 4183311028 (2018). Application of Reciprocal Teaching Cooperative Learning Model to Improve Mathematical Communication Skills for Class VII Students of Gajah Mada Private Junior High School.**

This study aims to: (1) Improve the mathematical communication skills of class VII Gajah Mada Junior High School by applying the Reciprocal Teaching type of cooperative learning model and (2) Describe the improvement of students' mathematical communication skills after the reciprocal teaching type of cooperative learning model was applied in VII grade of Gajah Mada Junior High Schools. This research uses the type of research, namely Classroom Action Research which is carried out in two cycles in each cycle including the planning, implementation, observation and reflection stages. The subjects in this study were VII grade students of Gajah Mada Junior High School in the Academic Year 2021/2022 with a total of 28 students. The object of this research is the improvement of students' mathematical communication skills by applying the cooperative learning model of the Reciprocal Teaching type to the rectangular flat-shaped material. At the end of each cycle, students are given a test of mathematical communication skills. (1) From the results of the study, it was found that the application of the cooperative learning model of the Reciprocal Teaching type can improve the mathematical communication skills of VII grade students of Gajah Mada Junior High School. (2) From the research results obtained before the cooperative learning model of Reciprocal Teaching type was applied, the average value of the class was 36,01. After being applied there was an increase where in the first cycle, the average value of the class was 62,63 and 61% of the number of students in the class had mathematical communication skills in the medium category. In the second cycle, from the results of the study, the average grade of the class increased to 81,14 where 86% of students in the class already had mathematical communication skills in the medium category. Based on this description, it can be concluded that the students' mathematical communication skills increased after the cooperative learning model of Reciprocal Teaching type was applied in class VII of Gajah Mada Junior High School.

**Keywords:** *Reciprocal Teaching, Mathematical Communication Skills*