

ABSTRAK

Royana Chairani, NIM 4191111010 (2023). Implementation of *Reciprocal Teaching* Learning Model to Improve Students' Mathematical Representation Ability in Grade VII at SMP Negeri 37 Medan.

Penelitian ini bertujuan untuk mengetahui peningkatan kemampuan representasi matematis dan ketuntasan klasikal siswa kelas VII SMP Negeri 37 Medan melalui model pembelajaran *Reciprocal Teaching*. Penelitian ini merupakan Penelitian Tindakan Kelas (PTK) yang dilaksanakan dalam tiga siklus, dimana setiap siklus mencakup tahap perencanaan, pelaksanaan, observasi dan evaluasi serta refleksi. Subjek dalam penelitian ini adalah siswa kelas VII-B SMP Negeri 37 Medan T.A 2022/2023 yang berjumlah 32 siswa. Objek penelitian ini adalah peningkatan kemampuan representasi matematis siswa dengan menerapkan model pembelajaran *Reciprocal Teaching* pada materi penyajian data. Hasil penelitian yang diperoleh pada tes awal sebelum ditetapkan model *Reciprocal Teaching*, secara klasikal terdapat 7 siswa (21,8%) tuntas dengan nilai rata-rata sebesar 54,68 kategori sangat rendah. Pada siklus I mengalami peningkatan secara klasikal diperoleh sebanyak 20 siswa (62,5%) tuntas dengan nilai rata-rata sebesar 71,09 kategori sedang. Pada siklus II mengalami peningkatan kembali secara klasikal sebanyak 24 siswa (75%) tuntas dengan nilai rata-rata sebesar 79,37 kategori sedang. Kemudian pada siklus III mengalami peningkatan kembali secara klasikal sebanyak 28 siswa (87,5%) tuntas dengan nilai rata-rata 82,18 kategori tinggi. Dengan demikian dapat disimpulkan bahwa penerapan model pembelajaran *Reciprocal Teaching* dapat meningkatkan kemampuan representasi matematis siswa kelas VII SMP Negeri 37 Medan.

Kata kunci : *Reciprocal Teaching*, Kemampuan Representasi Matematis, Peningkatan Kemampuan Representasi Matematis.



ABSTRACT

Royana Chairani, NIM 4191111010 (2023). Implementation of *Reciprocal Teaching* Learning Model to Improve Students' Mathematical Representation Ability in Grade VII at SMP Negeri 37 Medan.

This study aims to determine the improvement of mathematical representation ability and classical mastery of class VII students of SMP Negeri 37 Medan through the *Reciprocal Teaching* learning model. This research is a Classroom Action Research (CAR) which is carried out in three cycles, in each cycle includes the stages of planning, implementing, observing and evaluating as well as reflection. The subjects in this study were class VII-B students of SMP Negeri 37 Medan T.A 2022/2023 with a total of 32 students. The object of this research is the improvement students' mathematical representation skills by applying the *Reciprocal Teaching* learning model to data presentation material. The research results obtained in the initial test before the *Reciprocal Teaching* model was apply, classically there were 7 students (21,8%) passed with an average score of 54,68 in the very low category. In cycle I, there was an increase classically, as many as 20 students (62,5%) completed with an average score of 71.09 in the medium category. In cycle II there was an increase in classical returns as many as 24 students (75%) completed with an average score of 79.37 in the medium category. Then in cycle III there was an increase again classically as many as 28 students (87,5%) completed with an average score of 82,18 in the high category. Thus it can be concluded that the application of the *Reciprocal Teaching* learning model can improve the mathematical representation abilities of class VII students of SMP Negeri 37 Medan.

Keyword : *Reciprocal Teaching*, Mathematical Representation Ability, Improvement Mathematical Representation Ability

