

ABSTRAK

Yuli Masita Sari, NIM 4193311046 (2023). Upaya Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa Kelas VIII SMP Perguruan Kebangsaan Melalui Penerapan Model Pembelajaran *Problem Based Learning* Berbantuan *Autograph*.

Penelitian ini bertujuan untuk (1) Mengetahui apakah penerapan model pembelajaran *problem based learning* berbantuan *autograph* dapat meningkatkan kemampuan pemecahan masalah matematis siswa di kelas VIII SMP Perguruan Kebangsaan Medan T.A. 2022/2023. (2) Mengetahui peningkatan kemampuan pemecahan masalah siswa setelah diterapkan model pembelajaran *problem based learning* pada pokok bahasan bangun ruang sisi datar berbantuan *autograph* di kelas VIII SMP Perguruan Kebangsaan Medan T.A. 2022/2023. Penelitian ini merupakan penelitian tindakan kelas (*classroom action research*). Subjek dalam penelitian ini adalah siswa kelas VIII SMP Perguruan Kebangsaan pada semester genap T.A. 2022/2023 yang berjumlah 26 orang. Objek dalam penelitian ini adalah kemampuan pemecahan masalah matematika siswa dengan menerapkan model pembelajaran *problem based learning* berbantuan *autograph* pada materi bangun ruang sisi datar. Instrument penelitian dalam pengumpulan data adalah tes. Sebelum tindakan dilakukan terlebih dahulu diberikan tes kemampuan awal untuk mengetahui kemampuan awal pemecahan masalah matematika siswa. Dari hasil tes awal diperoleh 6 orang (23,07%) siswa yang berhasil dalam menyelesaikan tes kemampuan pemecahan masalah matematis. Pada tes siklus I, 13 orang (50%) yang berhasil menyelesaikan tes kemampuan pemecahan masalah. Pada tes siklus II, 23 orang (88,46%) yang berhasil menyelesaikan tes kemampuan pemecahan masalah. Maka dapat disimpulkan bahwa kemampuan pemecahan masalah matematika siswa dengan menggunakan model pembelajaran *problem based learning* berbantuan *autograph* mengalami peningkatan di kelas VIII SMP Perguruan Kebangsaan Tahun Ajaran 2022/2023.

Kata Kunci: *Problem Based Learning*, *Autograph*, Kemampuan Pemecahan Masalah

ABSTRACT

Yuli Masita Sari, NIM 4193311046 (2023). Efforts to Improve Mathematical Problem Solving Ability of Students in Class VIII of SMP Perguruan Kebangsaan through the Application of Problem Based Learning Model assisted by Autograph.

This study aims to (1) Find out whether the application of the problem-based learning model assisted by autograph can improve students' mathematical problem solving skills in class VIII SMP Perguruan Kebangsaan Medan T.A. 2022/2023. (2) To find out the improvement of students' problem solving ability after applying the problem-based learning model on the subject of flat-sided spaces with the help of autographs in class VIII SMP Perguruan Kebangsaan Medan T.A. 2022/2023. This research is a classroom action research. The subjects in this study were VIII grade students of Perguruan Kebangsaan Junior High School in the even semester of T.A. 2022/2023 which numbered 26 people. The object in this study is the students' mathematical problem solving ability by applying the problem-based learning model assisted by autograph on flat-sided space building material. The research instrument in data collection is a test. Before the action is taken, an initial ability test is given to determine the initial ability of students' mathematical problem solving. From the initial test results, 6 students (23.07%) were successful in completing the mathematical problem solving ability test. In the cycle I test, 13 people (50%) who successfully completed the problem solving ability test. In the second cycle test, 23 people (88.46%) who successfully completed the problem solving ability test. So it can be concluded that students' mathematical problem solving skills using the problem-based learning learning model assisted by autograph have increased in class VIII of Perguruan Kebangsaan Junior High School in the 2022/2023 academic year.

Keywords: Problem Based Learning, Autograph, Problem Solving Ability

