

ABSTRAK

**EFEKTIVITAS MODEL PEMBELAJARAN *CREATIVE PROBLEM SOLVING* DITINJAU DARI KEMAMPUAN PENALARAN MATEMATIS SISWA
(Studi Pada Siswa Kelas VII SMP Negeri 29 Bandar Lampung Semester Genap Tahun Ajaran 2024/2025)**

Oleh

PURI DAFA ARIANI

Penelitian ini bertujuan untuk mengetahui efektivitas model pembelajaran *Creative Problem Solving* ditinjau dari kemampuan penalaran matematis siswa. Populasi dalam penelitian ini ialah seluruh siswa kelas VII SMP Negeri 29 Bandar Lampung tahun pelajaran 2024/2025, sebanyak 340 siswa yang terdistribusi ke dalam sebelas kelas. Sampel dalam penelitian ini adalah siswa kelas VII-9 sebagai kelas eksperimen yang terdiri dari 30 siswa dan kelas VII-10 sebagai kelas kontrol yang terdiri dari 28 siswa yang terpilih dengan teknik *purposive sampling*. Desain yang digunakan adalah *pretest-posttest control group design*. Data penelitian ini berupa data kuantitatif yang diperoleh dari tes kemampuan penalaran matematis siswa. Berdasarkan hasil uji hipotesis menggunakan uji *Mann Whitney U* diperoleh bahwa peningkatan kemampuan penalaran matematis siswa yang mengikuti model pembelajaran *Creative Problem Solving* lebih tinggi daripada peningkatan kemampuan penalaran matematis siswa yang mengikuti pembelajaran konvensional. Berdasarkan hasil uji binomial diperoleh bahwa persentase siswa yang memiliki kemampuan penalaran matematis terkategori baik pada kelas dengan model pembelajaran *Creative Problem Solving* lebih dari 60%. Sehingga dapat disimpulkan bahwa penerapan model pembelajaran *Creative Problem Solving* efektif dalam meningkatkan kemampuan penalaran matematis siswa.

Kata Kunci: *creative problem solving*, efektivitas, penalaran matematis

ABSTRACT

EFFECTIVENESS OF THE CREATIVE PROBLEM SOLVING LEARNING MODEL IN TERMS OF STUDENTS' MATHEMATICAL REASONING SKILLS

**(A Study on Grade 7th Students of SMP Negeri 29 Bandar Lampung in the
Even Semester of Academic Year 2024/2025)**

By

PURI DAFA ARIANI

This study aims to determine the effectiveness of the Creative Problem Solving learning model in terms of students' mathematical reasoning skills. The population in this study were all seventh grade students of SMP Negeri 29 Bandar Lampung in the 2024/2025 academic year, a total of 340 students distributed into eleven classes. The sample in this study were students in grades VII-9 as an experimental class consisting of 30 students and classes VII-10 as a control class consisting of 28 students selected using a purposive sampling technique. The design used was a pretest-posttest control group design. The data of this study were quantitative data obtained from tests of students' mathematical reasoning skills. Based on the results of the hypothesis test using the Mann Whitney U test, it was found that the increase in mathematical reasoning skills of students in the Creative Problem Solving learning model was higher than the increase in mathematical reasoning skills of students in the conventional learning. Based on the results of the binomial test, it was found that the percentage of students who had good mathematical reasoning skills in the class with the Creative Problem Solving learning model was more than 60%. So it can be concluded that the application of the Creative Problem Solving learning model is effective in improving students' mathematical reasoning skills.

Keywords: *creative problem solving, effectiveness, mathematical reasoning*