

**PENGARUH MODEL PEMBELAJARAN CPS (*CREATIVE
PROBLEM SOLVING*) BERBANTUAN *GEOGEBRA* TERHADAP
KEMAMPUAN PEMECAHAN MASALAH MATEMATIS
SISWA KELAS VII SMP**

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ABSTRAK

Salah satu penyebab rendahnya kemampuan pemecahan masalah matematika siswa adalah kurang maksimalnya penerapan model pembelajaran konvensional oleh guru. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran CPS (*Creative Problem Solving*) berbantuan Geogebra terhadap kemampuan pemecahan masalah matematis siswa. Jenis penelitian ini adalah eksperimen semu dengan desain penelitian *post test only control group*. Populasi penelitian ini adalah seluruh siswa kelas VII SMP Negeri 2 Kubu tahun ajaran 2023/2024 sebanyak 234 siswa. Sampel dalam penelitian ini adalah siswa kelas VII F dan VII G yang diambil menggunakan teknik *cluster random sampling* sebanyak 68 siswa. Uji kesetaraan kelas diuji berdasarkan nilai sumatif akhir semester ganjil. Bentuk tes yang digunakan dalam penelitian ini yaitu tes uraian (*essay*) dengan jumlah lima butir soal yang diberikan kepada kelompok eksperimen dan kelompok kontrol pada pertemuan akhir penelitian. Data hasil tes kemampuan pemecahan masalah dianalisis menggunakan uji-*t* dengan taraf signifikansi 5%. Hasil analisis data menunjukkan bahwa nilai $t_{hitung} = 5,628$ lebih dari $t_{tabel} = 1,996$ sehingga H_0 ditolak. Hal ini berarti kemampuan pemecahan masalah matematis siswa yang dibelajarkan dengan model pembelajaran CPS (*Creative Problem Solving*) berbantuan Geogebra lebih tinggi daripada kemampuan pemecahan masalah matematis siswa yang dibelajarkan dengan model pembelajaran konvensional. Dengan demikian, dapat disimpulkan bahwa penerapan model pembelajaran CPS (*Creative Problem Solving*) berbantuan geogebra memiliki pengaruh positif terhadap kemampuan pemecahan masalah matematis siswa.

Kata kunci: CPS (*Creative Problem Solving*), Geogebra, Kemampuan Pemecahan Masalah

**THE EFFECT OF CPS (CREATIVE
PROBLEM SOLVING) LEARNING MODEL ASSISTED BY
GEOGEBRA ON MATHEMATICAL PROBLEM SOLVING ABILITY
GRADE VII SMP STUDENTS**

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ABSTRACT

One of the causes of the low mathematical problem solving ability of students is the lack of maximum application of conventional learning models by teachers. This study aims to determine the effect of the CPS (Creative Problem Solving) learning model assisted by Geogebra on students' mathematical problem solving skills. This type of research is a pseudo experiment with a post test only control group research design. The population of this study were all VII grade students of SMP Negeri 2 Kubu in the 2023/2024 school year as many as 234 students. The samples in this study were VII F and VII G students who were taken using cluster random sampling technique as many as 68 students. The class equivalence test was tested based on the final summative score of the odd semester. The form of the test used in this study is a description test (essay) with a total of five questions given to the experimental group and control group at the final meeting of the study. Data from the problem solving ability test were analyzed using t-test with a significance level of 5%. The results of data analysis showed that the value of $t_{count}=5.628$ is more than $t_{table}=1.996$ so that H_0 is rejected. This means that the mathematical problem solving ability of students taught with the CPS (Creative Problem Solving) learning model assisted by Geogebra is higher than the mathematical problem solving ability of students taught with conventional learning models. Thus, it can be concluded that the application of the CPS (Creative Problem Solving) learning model assisted by geogebra has a positive influence on students' mathematical problem solving skills.

Keywords: CPS (Creative Problem Solving), Geogebra, Problem Solving Ability