

## **ABSTRAK**

**PENGARUH MODEL *PROBLEM BASED LEARNING* (PBL)  
BERBANTUAN KOMIK STRIP TERHADAP KEMAMPUAN  
PEMECAHAN MASALAH MATEMATIS SISWA  
(Studi Pada Siswa Kelas VIII SMP Negeri 2  
Candipuro Semester Genap Tahun  
Pelajaran 2023/2024)**

**Oleh**

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Penelitian ini bertujuan untuk mengetahui pengaruh model *problem based learning* berbantuan komik strip terhadap kemampuan pemecahan masalah matematis siswa. Populasi dalam penelitian ini adalah seluruh siswa kelas VIII SMP Negeri 2 Candipuro tahun pelajaran 2023/2024 sebanyak 84 siswa yang terdistribusi ke dalam 3 kelas secara heterogen. Sampel dalam penelitian ini adalah siswa kelas VIII-B dan VIII-C yang masing masing terdiri dari 28 siswa yang terpilih dengan teknik *purposive sampling*. Desain penelitian yang digunakan adalah *pretest-posttest control group design*. Berdasarkan hasil uji *Mann-Whitney U* diperoleh bahwa rata-rata peningkatan kemampuan pemecahan masalah matematis siswa dengan pembelajaran *problem based learning* menggunakan komik strip lebih tinggi daripada rata-rata peningkatan kemampuan pemecahan masalah matematis siswa yang mengikuti pembelajaran konvensional. Dengan demikian, pembelajaran menggunakan model *problem based learning* berbantuan komik strip berpengaruh terhadap kemampuan pemecahan masalah matematis siswa.

**Kata kunci** : kemampuan pemecahan masalah matematis, komik strip, *problem based learning*

## **ABSTRACT**

### **THE EFFECT OF PROBLEM BASED LEARNING (PBL) MODEL ASSISTED BY COMIC STRIPS ON STUDENTS MATHEMATICAL PROBLEM SOLVING SKILLS**

*(Study on Grade VIII Students SMP Negeri 2 Candipuro Regency  
Even Semester of the 2023/2024 Academic Year)*

**By**

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*This research aims to determine the effect of the problem based learning (PBL) model assisted by comic strips on students' mathematical problem solving skills. The population in this study were all students of class VIII of SMP Negeri 2 Candipuro in the 2023/2024 academic year, totaling 84 students who were distributed into 3 classes heterogeneously. The sample in this study were students of class VIII-B and VIII-C, each consisting of 28 students selected using purposive sampling techniques. The research design used was a pretest-posttest control group design. Based on the results of the Mann-Whitney U test, it was obtained that the data for increasing students' mathematical problem solving skills with problem based learning using comic strips was higher than the data for increasing students' mathematical problem solving skills who took conventional learning. Thus, learning with the problem based learning model assisted by comic strips has an effect on students' mathematical problem solving skills.*

**Keywords:** *Effect, Comic Strip, Mathematical Problem Solving, Problem Based Learning*