

## ABSTRAK

**PENGARUH MODEL *PROBLEM BASED LEARNING* BERBANTUAN  
LKPD TERHADAP KEMAMPUAN PEMECAHAN  
MASALAH MATEMATIS SISWA  
(Studi pada Siswa Kelas VIII SMP Negeri 6 Natar  
Semester Genap Tahun Pelajaran 2023/2024)**

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Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem Based Learning* (PBL) berbantuan LKPD terhadap kemampuan pemecahan masalah matematis siswa. Populasi penelitian ini adalah seluruh siswa kelas VIII SMP Negeri 6 Natar sebanyak 209 siswa yang terdistribusi ke dalam tujuh kelas. Sampel penelitian ini adalah kelas VIII.A dan VIII.B yang masing-masing terdiri dari 30 siswa dan dipilih dengan teknik *cluster random sampling*. Desain penelitian yang digunakan adalah *pretest-posttest control group design*. Data pada penelitian ini berupa data kuantitatif yang diperoleh melalui tes kemampuan pemecahan masalah matematis. Berdasarkan hasil uji *Mann-Whitney U* diperoleh bahwa kemampuan pemecahan masalah matematis siswa yang mengikuti model PBL berbantuan LKPD lebih tinggi daripada kemampuan pemecahan masalah matematis siswa yang mengikuti pembelajaran konvensional. Dengan demikian dapat disimpulkan bahwa model PBL berbantuan LKPD berpengaruh terhadap kemampuan pemecahan masalah matematis siswa kelas VIII di SMP Negeri 6 Natar.

Kata kunci : LKPD, pemecahan masalah matematis, pengaruh, *problem based learning*

**ABSTRACT**

**THE EFFECT OF PROBLEM-BASED LEARNING MODEL ASSISTED  
BY WORKSHEETS ON STUDENTS' MATHEMATICAL  
PROBLEM SOLVING SKILLS**

*(Study on Students of Grade VIII of SMP Negeri 6 Natar)  
Odd Semester of the 2023/2024 Academic Year)*

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*This research aimed to determine the effect of problem based learning model assisted by LKPD on students' mathematical problem solving skills. The population in this research was all VIII grade students of SMP Negeri 6 Natar, as many as 209 students distributed over seven classes. The samples for this research were students in class VIII.A and VIII.B that each class consisting 30 students that selected using a cluster random sampling technique. The design used was pretest-posttest control group design. This research data was quantitative data, obtained from a mathematical problem solving ability test. Based on the Mann Whitney U test, showed that of mathematical problem solving skills of students who took part in problem based learning model assisted by LKPD was higher than mathematical problem solving skills of students who took part in conventional learning. So it was concluded that implication of problem based learning model assisted by worksheets has effect towards the students mathematical problem solving skills.*

*Keywords: effect, LKPD, mathematical problem solving, problem based learning*