

ABSTRAK

**PENGARUH MODEL *PROBLEM BASED LEARNING* (PBL)
BERBANTUAN KARTU UNO MATEMATIKA
TERHADAP KEMAMPUAN PEMECAHAN
MASALAH MATEMATIS SISWA
(Studi pada Siswa Kelas VII SMP Negeri 1 Gading Rejo Semester Genap Tahun
Pelajaran 2023/2024)**

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem Based Learning* (PBL) berbantuan kartu Uno matematika terhadap kemampuan pemecahan masalah matematis siswa. Populasi penelitian ini adalah seluruh siswa kelas VII di SMP Negeri 1 Gading Rejo yang tersebar dalam 8 kelas, yakni dari kelas VII A hingga VII H. Sampel penelitian dipilih menggunakan teknik *cluster random sampling* dan diperoleh siswa kelas VII E sebanyak 32 siswa sebagai kelas eksperimen dan siswa kelas VII G sebanyak 32 siswa sebagai kelas kontrol. Penelitian ini menggunakan desain *pretest-posttest control group*. Data yang dikumpulkan adalah data kuantitatif yang menggambarkan kemampuan pemecahan masalah matematis siswa. Berdasarkan hasil uji hipotesis dengan uji *Mann-Whitney U*, diperoleh bahwa median skor peningkatan kemampuan pemecahan masalah matematis siswa yang menggunakan model PBL berbantuan kartu Uno matematika lebih tinggi dibandingkan dengan siswa yang mengikuti pembelajaran konvensional. Dengan demikian, dapat disimpulkan bahwa penerapan model PBL berbantuan kartu Uno matematika berpengaruh positif terhadap kemampuan pemecahan masalah matematis siswa.

Kata Kunci : kartu Uno matematika, kemampuan pemecahan masalah matematis, PBL

ABSTRACT

**THE EFFECT OF THE PROBLEM BASED LEARNING (PBL)
MODEL WITH THE HELP OF MATHEMATICAL UNO
CARDS ON SOLVING CAPABILITY STUDENTS'
MATHEMATICS PROBLEMS
(Study on Class VII SMP Negeri 1 Gading Rejo Even Semester
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 Uno mathematics cards on students' mathematical problem solving abilities. The population of this study were all class VII students at SMP Negeri 1 Gading Rejo spread across 8 classes, namely from class VII A to VII H. The research sample was selected using cluster random sampling technique and 32 class VII E students were obtained as the experimental class and 32 students in class VII G as the control class. This research uses a pretest-posttest control group design. The data collected is quantitative data that describes students' mathematical problem solving abilities. Based on the results of hypothesis testing using the Mann-Whitney U test, it was found that the median score for improving the mathematical problem solving abilities of students who used the PBL model assisted by Uno mathematics cards was higher compared to students who took part in conventional learning. Thus, it can be concluded that the application of the PBL model assisted by Uno mathematics cards has a positive effect on students' mathematical problem solving abilities.

Keywords : *mathematics Uno cards, mathematical problem solving abilities, PBL*