

ABSTRAK

Raisya Zannuba Arifah, “**Penerapan Model *Problem Centered Learning* (PCL) Melalui Media *Sporcle* Untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa**”

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan pemecahan masalah matematis siswa yang didukung dari hasil studi pendahuluan di SMP Negeri 50 Bandung. Salah satu alternatif untuk mengatasi permasalahan tersebut yaitu dengan menerapkan model *Problem Centered Learning* (PCL) melalui media *Sporcle*. Tujuan penelitian ini untuk meningkatkan kemampuan pemecahan masalah matematis siswa melalui pembelajaran tersebut. Penelitian ini dilakukan di SMP Negeri 50 Bandung pada dua kelas menggunakan metode *quasi experiment*. Instrumen pengumpulan data penelitian terdiri dari instrumen tes yang telah melewati uji validitas, uji reliabilitas, uji daya pembeda, dan uji tingkat kesukaran, serta instrumen non tes terdiri dari lembar observasi keterlaksanaan aktivitas guru dan siswa serta lembar angket respons siswa. Hasil penelitian menunjukkan bahwa keterlaksanaan aktivitas guru dan siswa pada proses pembelajaran menggunakan model *Problem Centered Learning* (PCL) melalui media *Sporcle* dikategorikan sangat baik, peningkatan kemampuan pemecahan masalah matematis siswa yang menggunakan model *Problem Centered Learning* (PCL) melalui media *Sporcle* lebih baik daripada siswa yang menggunakan pembelajaran konvensional, serta respons siswa terhadap pembelajaran menggunakan model *Problem Centered Learning* (PCL) melalui media *Sporcle* sebagian besar memberikan respons positif.

Kata Kunci: Kemampuan Pemecahan Masalah Matematis, *Problem Centered Learning* (PCL), *Sporcle*

ABSTRACT

Raisya Zannuba Arifah, “**The Implementation of the Problem-Centered Learning (PCL) Model Using *Sporcle* Media to Enhance Students' Mathematical Problem-Solving Skills**”

This study was motivated by students' low mathematical problem-solving skills, a finding supported by a preliminary study conducted at SMP Negeri 50 Bandung. One alternative approach to addressing this issue is the implementation of the Problem-Centered Learning (PCL) model utilizing *Sporcle* media. The objective of this study was to enhance students' mathematical problem-solving skills through this instructional method. The research was conducted at SMP Negeri 50 Bandung involving two classes and employed a quasi-experimental design. Data collection instruments included a test—which underwent validity, reliability, discrimination power, and difficulty level testing—and non-test instruments, specifically observation sheets for teacher and student activity implementation and student response questionnaires. The results indicate that the implementation of teacher and student activities during the learning process using the PCL model with *Sporcle* media was categorized as excellent; the improvement in mathematical problem-solving skills among students using the PCL model with *Sporcle* media was superior to that of students receiving conventional instruction; and the majority of students responded positively to the learning process using the PCL model with *Sporcle* media.

Kata Kunci: Mathematical Problem-Solving Skills, *Problem Centered Learning* (PCL), *Sporcle*