

**PENERAPAN MODEL PROBLEM BASED LEARNING BERBANTUAN  
E-LEARNING UNTUK MENINGKATKAN KEMAMPUAN PEMECAHAN  
MASALAH SISWA KELAS X MIPA 6 SMA NEGERI 4 SINGARAJA**

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**ABSTRAK**

Permasalahan utama dalam penelitian ini adalah rendahnya kemampuan pemecahan masalah siswa. Melalui penerapan model *problem based learning* berbantuan *e-learning* masalah tersebut dapat diperbaiki. Tujuan utama dari penelitian ini meningkatkan kemampuan pemecahan masalah siswa. Penelitian merupakan penelitian tindakan kelas (*classroom action research*) yang dilaksanakan dalam dua siklus. Subjek penelitian ini adalah seluruh siswa kelas X MIPA 6 SMA Negeri 4 Singaraja Tahun Pelajaran 2019/2020 berjumlah 38 orang. Objek penelitian ini adalah model *problem based learning* berbantuan *e-learning*, kemampuan pemecahan masalah dan tanggapan siswa. Instrument data dikumpulkan melalui tes kemampuan pemecahan masalah dan angket tanggapan siswa. Data dianalisis secara analisis deskriptif. Hasil penelitian menunjukkan 1) nilai kemampuan pemecahan masalah siswa pada siklus I sebesar 72.81 (SD=10.33) dan siklus II sebesar 82.35 (SD=7.33) berada pada kategori baik. 2) tanggapan siswa berada pada kategori positif dengan nilai sebesar 77.09 (SD=6.75). Berdasarkan hasil tersebut, maka dapat disimpulkan penerapan model model *problem based learning* berbantuan *e-learning* dapat meningkatkan kemampuan pemecahan masalah siswa kelas X MIPA 6 SMA Negeri 4 Singaraja tahun pelajaran 2019/2020.

**Kata kunci:** *Problem based learning*, kemampuan pemecahan masalah, *e-learning*

**THE APPLICATION OF PROBLEM BASED LEARNING MODELS  
ASSISTED BY E-LEARNING FOR IMPROVE STUDENTS' PROBLEM  
SOLVING ABILITY IN X MIPA 6 CLASS AT SMA NEGERI 4  
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**ABSTARCT**

The main problem of this research was the low of students' problem solving ability. Through the application of the problem based learning model assisted by e-learning, the problem can be fixed. This research aimed to improve students' problem solving ability. This research was classroom action research which was conducted in two cycles. The subject of this research was all of students in X MIPA 6 class at SMA Negeri 4 Singaraja in 2019/2020 which consist 38 of students. The object of this research was problem based learning model assisted by e-learning, problem solving ability and students' responses. The research instrumens were essay test of problem solving ability and questionnaire and students' responses. The data was analyzed by descriptive analysis. The results showed that 1) the score of problem solving ability in the first cycle was 72.81 (SD=10.33) and the second cycle was 82.35 (SD=7.33) in high category. 2) students' responses in positive category was 77.09 (SD=6.75). Based on these results, it can be concluded that the application of problem based learning models assisted by e-learning can improve students' problem solving ability in X MIPA 6 class at SMA Negeri 4 Singaraja in the academic year 2019/2020.

**Keywords:** Problem based learning, e-learning, problem solving ability