

**IMPLEMENTASI MODEL *PROBLEM BASED LEARNING*
BERBANTUAN *MIND MAPPING* MENINGKATKAN HASIL BELAJAR
BIOLOGI PESERTA DIDIK DI MAN 1 JEMBRANA**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui implementasi model pembelajaran *problem based learning* berbantuan *mind mapping* terhadap hasil belajar peserta didik yang dibelajarkan dengan pembelajaran *problem based learning* berbantuan *mind mapping* dengan peserta didik yang dibelajarkan dengan *direct instruction* (sebagai kelompok kontrolnya). Jenis penelitian ini adalah *quasi experimental* dan didesain dengan rancangan *non equivalent pre and post test control group design*. Populasi dalam penelitian ini adalah seluruh kelas di MAN 1 Jember. Sampel dipilih dengan teknik sampling acak sederhana dan terpilih kelas XI MIPA 2 sebagai kelas eksperimen yang mencakup 32 peserta didik, dan kelas XI MIPA 3 sebagai kelas kontrol yang mencakup 33 peserta didik. Data hasil belajar diperoleh melalui tes evaluasi hasil belajar. Data dianalisis secara deskriptif dan pengujian hipotesis menggunakan *Mann-Whitney*. Hasil penelitian menunjukkan bahwa terdapat perbedaan yang signifikan antara kelas eksperimen reratanya sebesar 51,9% sedangkan rerata kelas kontrol sebesar 32,9%, nilai hipotesis didapat bahwa nilai p sebesar 0,001 lebih kecil dari 0,05. Dapat disimpulkan bahwa implementasi model pembelajaran *problem based learning* berbantuan *mind mapping* dapat mempengaruhi hasil belajar hasil belajar peserta didik.

Kata-kata kunci: *Problem Based Learning, Mind Mapping, Hasil Belajar*

**IMPLEMENTATION OF PROBLEM-BASED LEARNING MODEL
ASSISTED BY MIND MAPPING TO IMPROVE STUDENTS' BIOLOGY
LEARNING OUTCOMES AT MAN 1 JEMBRANA**

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ABSTRACT

This study aims to determine the implementation of a problem-based learning model assisted by mind mapping on the learning outcomes of students taught with problem-based learning assisted by mind mapping with students taught with direct instruction (as a control group). This type of research is quasi experimental and designed with a non-equivalent pre and post test control group design. The population in this study were all classes at MAN 1 Jembrana. The sample was selected using simple random sampling technique and XI MIPA 2 class was selected as the experimental class which included 32 students, and XI MIPA 3 class as the control class which included 33 students. Learning outcome data were obtained through learning outcome evaluation tests. Data were analyzed descriptively and hypothesis testing using Mann-Whitney. The results showed that there was a significant difference between the experimental class average of 51.9% while the control class average of 32.9%, the hypothesis value obtained that the p value of 0.001 is smaller than 0.05. It can be concluded that the implementation of a problem-based learning model assisted by mind mapping can affect student learning outcomes.

Keywords: *Problem Based Learning, Mind Mapping, Learning outcomes*