

ABSTRAK

PENGARUH PENERAPAN MODEL *PROBLEM BASED LEARNING* TERHADAP KEAKTIFAN DAN HASIL BELAJAR BIOLOGI SISWA KELAS XI SMA NEGERI 2 NGAGLIK

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Penelitian dilatarbelakangi oleh permasalahan yang ditemukan peneliti saat melaksanakan kegiatan PLP-PP dan berdasarkan hasil wawancara dengan guru biologi SMA Negeri 2 Ngaglik. Dimana keaktifan siswa saat pembelajaran biologi dinilai rendah. Berdasarkan wawancara didapatkan hasil bahwa salah satu materi biologi yang dianggap sulit ialah sistem regulasi. Saat pembelajaran, guru sering menggunakan metode ceramah dan pemberian tugas. Penelitian ini bertujuan untuk mengetahui pengaruh penerapan model *problem based learning* terhadap keaktifan dan hasil belajar biologi siswa kelas XI SMA Negeri 2 Ngaglik.

Jenis penelitian adalah *quasi eksperiment*. Penelitian dilaksanakan di SMA Negeri 2 Ngaglik. Subyek dalam penelitian ini ialah siswa kelas XI MIPA 1 dan XI MIPA 2 yang masing-masing berjumlah 36 orang. Keaktifan siswa diukur menggunakan lembar observasi guru dan peneliti serta lembar penilaian teman sejawat. Hasil belajar siswa diukur dengan menggunakan *pretest* dan *posttest*.

Hasil penelitian menunjukkan bahwa keaktifan siswa yang mendapatkan *treatment* berupa penerapan model *problem based learning* pada dua indikator keaktifan yaitu partisipasi dan mengemukakan pendapat berada dalam kategori sangat tinggi dan tinggi. Kemudian hasil belajar siswa yang mendapatkan *treatment* berupa penerapan model *problem based learning* berdasarkan hasil *posttest* juga lebih tinggi. Rerata nilai *posttest* siswa ialah 84,44. Kesimpulan yang diperoleh dari penelitian ini adalah penerapan model *problem based learning* berpengaruh positif terhadap keaktifan dan hasil belajar biologi siswa kelas XI SMA Negeri 2 Ngaglik.

Kata kunci : *problem based learning*, keaktifan, hasil belajar, sistem indra

ABSTRACT

THE INFLUENCE OF APPLICATION OF PROBLEM-BASED LEARNING MODEL ON THE ACTIVITY AND OUTCOMES OF BIOLOGY LEARNING STUDENTS IN CLASS XI SMA NEGERI 2 NGAGLIK

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The research was motivated by the problems found by researchers when carrying out PLP-PP activities and based on the results of interviews with the biology teacher at SMA Negeri 2 Ngaglik. Where the activeness of students when studying biology is considered low. Based on the interviews, it was found that one of the biological materials considered difficult was the regulatory system. When learning, teachers often use the lecture method and give assignments. This study aims to determine the effect of applying the problem-based learning model on the activeness and learning outcomes of class XI students of SMA Negeri 2 Ngaglik.

This type of research is quasi-experimental. The research was conducted at SMA Negeri 2 Ngaglik. The subjects in this study were students of class XI MIPA 1 and XI MIPA 2, each of which consisted of 36 people. Student activity was measured using teacher and researcher observation sheets and peer assessment sheets. Student learning outcomes are measured using the pretest and posttest.

The results showed that the activeness of students who received treatment in the form of applying the problem-based learning model to two active indicators, namely participation and expressing opinions, was in the very high and high categories. Then the learning outcomes of students who received treatment in the form of applying the problem-based learning model based on the results of the posttest were also higher. The average posttest score of students is 84.44. The conclusion obtained from this study is that the application of the problem-based learning model has a positive effect on the activity and learning outcomes of class XI students of SMA Negeri 2 Ngaglik.

Keywords : problem-based learning, liveliness, learning outcomes, sensory system