

**PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK BERBASIS
MODEL *PROBLEM BASED LEARNING* PADA PEMBELAJARAN
BIOLOGI DI SMAS LABORATORIUM UNDIKSHA**

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ABSTRAK

Penelitian ini merupakan penelitian *research and development* (R&D) dengan tujuan menghasilkan bahan ajar berupa lembar kerja peserta didik berbasis model *problem based learning* pada pembelajaran biologi untuk kelas X di SMA. Subyek dalam penelitian ini adalah peserta didik kelas X MIA 2 di SMAS Laboratorium Undiksha dengan jumlah peserta didik sebanyak 27 orang. Prosedur penelitian pengembangan ini mengacu pada model 4-D Thiagarajan yang dibatasi hanya sampai dengan tiga tahap meliputi tahap *define*, *design* dan *development*. Instrumen penelitian yang digunakan pada penelitian ini adalah angket validasi, lembar validasi soal, angket respon guru, angket respon peserta didik, lembar soal *post test* dan angket elektronik yaitu *Google Form*. Berdasarkan hasil penilaian uji kelayakan oleh ahli diperoleh hasil penilaian dengan rerata persentase 84% kategori baik dan oleh praktisi diperoleh hasil penilaian dengan rerata persentase 85% kategori baik. Hasil uji validitas soal diperoleh skor rata-rata 0,91 kategori sangat relevan. Hasil uji kepraktisan melalui respon guru diperoleh hasil penilaian dengan rerata persentase 77% kategori praktis dan hasil penialain respon peserta didik dengan rerata persentase 84% kategori sangat praktis. Hasil uji keefektifan dengan perhitungan ketuntasan belajar klasikal diperoleh hasil penilaian dengan rerata persentase 77,77% kategori sangat tinggi. Oleh karena itu, disimpulkan bahwa lembar kerja peserta didik berbasis model *problem based learning* di nyatakan memiliki kualitas layak, praktis dan efektif ditinjau dari hasil belajar peserta didik.

Kata kunci: pengembangan, lembar kerja peserta didik, *problem based learning*

DEVELOPMENT OF STUDENT WORKSHEETS BASED ON PROBLEM BASED LEARNING MODELS IN BIOLOGY LESSON IN SENIOR HIGH SCHOOL LABORATORIUM UNDIKSHA

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ABSTRACT

This study was Research and Development (R&D) study. The purpose of this study was producing teaching materials in the form of student worksheets based on problem based learning models in biology lesson for tenth grade students in senior high school. The subjects of this study were tenth grade students of MIA 2 in SMAS Laboratorium Undiksha with a total of students were 27 students. The procedure of this study referred to Thiagarajan 4-D model which was limited to only three stages including the define, design and development stages. The research instruments used in this study were validation questionnaire, question validation sheet, teacher response questionnaire, student response questionnaire, post test question sheet and electronic questionnaire namely Google Form. Based on the results of feasibility test by experts, the results of the assessment was obtained with an average percentage of 84%, categories as good and the results of the assessment by practitioners was obtained with an average percentage of 85%, categories as good. The results of the validity test of the questions was obtained an average score of 0.91, categories as very relevant. The result of practicality test through teacher responses was an average percentage of 77%, categories as practical and the results of assessing students' responses with an average percentage of 84%, categories as very practical. The results of the effectiveness test with the classical learning completeness calculation was obtained a mean percentage of 77.77%, categories as very high. Therefore, it was concluded that the student worksheets based on the problem based learning model were avowed to have decent, practical and effective quality in terms of student learning outcomes.

Key word : development, wroksheets, problem based learning.