

PENGEMBANGAN E-LKPD BERBASIS *PROJECT BASED LEARNING* (PjBL) BERMUATAN BUDAYA LOKAL BALI PADA TOPIK KOLOID

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ABSTRAK

Pengembangan lembar kerja peserta didik berbasis *Project Based Learning* (PjBL) bermuatan budaya lokal Bali pada topik koloid masih jarang dilakukan. Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan karakteristik, validitas, keterbacaan, dan kepraktisan dari produk. Jenis penelitian ini adalah penelitian dan pengembangan dengan menggunakan model pengembangan ADDIE. Penelitian dilakukan hanya sampai pada tahap ketiga, yaitu *development* (pengembangan). Hasil penelitian ini menunjukkan bahwa E-LKPD berbasis PjBL bermuatan budaya lokal Bali pada topik koloid memiliki karakteristik yaitu (1) dibuat dalam bentuk elektronik, lebih praktis, mudah di akses, dan dapat digunakan dimana saja dan kapan saja, (2) dibuat pada topik koloid, (3) bermuatan budaya lokal Bali, (4) berisi tautan akses materi tambahan dan latihan soal. Validasi isi menghasilkan skor konstruks sebesar 1,00 dari skor maksimal yaitu 1,00. Validasi bahasa menghasilkan skor rata-rata sebesar 3,83 dari skor maksimal yaitu 4,00. Validasi media menghasilkan skor rata-rata sebesar 3,80 dari skor maksimal yaitu 4,00. Keseluruhan uji validasi tersebut dapat digolongkan pada kategori sangat valid. Uji keterbacaan oleh siswa menghasilkan skor rata-rata sebesar 3,49 dari skor maksimal yaitu 4,00 dengan kategori sangat baik. Uji kepraktisan oleh guru dan siswa menghasilkan skor rata-rata berturut-turut sebesar 3,80 dan 3,25 dari skor maksimal yaitu 4,00 dengan kategori sangat praktis. Berdasarkan hasil uji produk yang dilakukan, produk E-LKPD ini dapat dikatakan layak untuk diuji keefektifannya dalam pembelajaran.

Kata kunci: E-LKPD, *Project Based Learning*, budaya lokal Bali, koloid

THE DEVELOPMENT OF STUDENT WORKSHEETS BY APPLYING PROJECT BASED LEARNING (PjBL) WHICH CONTAINS BALINESE CULTURE ON THE TOPIC OF COLLOIDS

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ABSTRACT

The development of student worksheets by applying Project Based Learning (PjBL) which contains Balinese culture on the topic of colloids has not been conducted. This study described and explained the characteristics, validity, readability, and practicality of those worksheets. The type of this study was research and development using the ADDIE development model. The research was conducted within the third stage, namely development. The results of this research showed that electronic student worksheets containing Balinese culture on the topic of colloids have characteristics namely (1) it is made in electronic form which can save time and costs, more practical, easily accessible, and can be used anywhere and at any time, (2) The topic contained in the student worksheets is colloids, (3) It contains Balinese culture, (4) It contains links to access additional material and exercises. The result of content validation is a construct score of 1,00 from a maximum score of 1,00. The validation in terms of language obtains an average score of 3,83 from a maximum score of 4,00. In terms of media, the validation resulted in an average score of 3,80 from a maximum score of 4,00. All those validations can be classified as a highly valid category. The students' readability test results obtained an average of 3.49 from a maximum score of 4,00 in the very good category. The results of the practicality test by teachers and students respectively obtained average results of 3.80 and 3.25 from a maximum score of 4,00 in the very practical category. Based on the results of product tests that have been conducted, the electronic student worksheets can be declared worthy of being tested for their effectiveness in learning.

Keywords: Electronic student worksheets, Project Based Learning, Balinese culture, colloid