

**PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK ELEKTRONIK  
(E-LKPD) BERBASIS *PROBLEM BASED LEARNING* (PBL) PADA  
MATERI PERUBAHAN LINGKUNGAN FASE E DI SMA NEGERI 1  
SUKASADA**

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**ABSTRAK**

Tujuan penelitian pengembangan ini adalah untuk membuat rancang bangun, mengetahui validitas dan mengetahui kepraktisan E-LKPD berbasis PBL pada materi perubahan lingkungan di SMA Negeri 1 Sukasada. Jenis penelitian ini menggunakan *Research and Development* (R&D) dengan model penelitian pengembangan ADDIE yang terdiri atas tahapan Analisis, Perancangan, Pengembangan, Implementasi, dan Evaluasi. Tahap implementasi tidak dilakukan dan evaluasi dilakukan dengan evaluasi formatif yaitu pengumpulan data dari setiap tahapan pengembangan karena keterbatasan penelitian. Lokasi penelitian di SMA Negeri 1 Sukasada. Uji validitas menggunakan perhitungan *skala likert* yaitu 2 ahli materi dan 2 ahli media. Dari kedua ahli tersebut diperoleh nilai tingkat validitas ahli media sebesar 91,6%, sehingga dikategorikan sangat valid. Uji kepraktisan dilakukan oleh 3 peserta didik uji coba perorangan dan 12 peserta didik uji coba kelompok kecil dengan kemampuan kognitif yang berbeda. Dari hasil uji perorangan diperoleh hasil sebesar 90,4%, sedangkan uji coba kelompok kecil diperoleh hasil sebesar 90,1%. Berdasarkan hasil tingkat kepraktisan tersebut diperoleh rerata sebesar 90,25% (kategori sangat praktis). Hal ini dapat disimpulkan bahwa pengembangan E-LKPD berbasis PBL pada materi perubahan lingkungan sangat valid dan sangat praktis digunakan sebagai bahan ajar fase E di SMA Negeri 1 Sukasada.

**Kata kunci :** Pengembangan E-LKPD, PBL, Perubahan Lingkungan

**DEVELOPMENT OF ELECTRONICS STUDENT WORKSHEETS (E-LKPD) BASED ON *PROBLEM BASED LEARNING* (PBL) ON ENVIRONMENTAL CHANGE MATERIAL PHASE E AT SMA NEGERI 1 SUKASADA**

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**ABSTRACT**

*The purpose of this development research is to create a design, determine the validity and determine the practicality of PBL-based E-LKPD on environmental change material at SMA Negeri 1 Sukasada. This type of research uses Research and Development (R&D) with the ADDIE development research model which consists of the stages of Analysis, Design, Development, Implementation and Evaluation. The implementation phase was not carried out and the evaluation was carried out with formative evaluation, namely collecting data from each development stage due to research limitations. The research location is SMA Negeri 1 Sukasada. The validity test uses a Likert scale calculation, namely 2 material experts and 2 media experts. From these two experts, the media expert validity level value was 91.6%, so it was categorized as very valid. The practicality test was carried out by 3 individual trial students and 12 small group trial students with different cognitive abilities. From the results of individual tests, results were obtained at 90.4%, while small group trials obtained results at 90.1%. Based on the results of the practicality level, an average of 90.25% was obtained (very practical category). It can be concluded that the development of PBL-based E-LKPD on environmental change material is very valid and very practical to use as teaching material for phase E at SMA Negeri 1 Sukasada.*

**Keywords :** *Development E-LKPD, PBL. Environmental Change*