

**Pengembangan E-LKPD IPA Berbasis *Problem Based Learning*  
Materi Sifat Dan Perubahan Wujud Benda Kelas V Sekolah Dasar  
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**ABSTRAK**

Tujuan penelitian pengembangan ini adalah melihat pembuatan E-LKPD, tingkat kevalidan produk dan tingkat keefektifan pengembangan E-LKPD IPA berbasis *problem based learning* materi sifat dan perubahan wujud benda kelas V SD. Metode penelitian yang digunakan yakni metode *research and development* (R&D) dengan model penelitian 4D (*Define, Design, Develop, dan Disseminate*). Tempat penelitian dilakukan di SDN Bendungan Hilir 05 Pagi dengan subjeknya siswa kelas V SD. Data penelitian diperoleh dengan melakukan wawancara dan pengisian kuisisioner untuk guru dan para siswa. Hasil penelitian menunjukkan bahwa uji kelayakan oleh ahli materi mencapai persentase 87.5%, oleh ahli bahasa mencapai persentase 87,5%, dan oleh ahli media mencapai persentase 96.67%. Kesimpulan yang diperoleh dari penelitian ini adalah E-LKPD IPA berbasis *problem based learning* materi sifat dan perubahan wujud benda kelas V SD berhasil dikembangkan sebagai bahan ajar untuk peserta didik kelas V SDN Benhil 05 Pagi dan diuji kelayakannya dalam kategori sangat layak.

**Kata Kunci:** E-LKPD, 4D, materi sifat dan perubahan wujud benda

**The Development of E-LKPD Science Based on Problem Based  
Learning Material Nature and Changes in Form of Objects for Grade  
V Elementary School  
(2022)**

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**ABSTRACT**

*The purpose of this development research is to look at the manufacture of E-LKPD, the level of product validity and the level of effectiveness of the development of E-LKPD IPA based on problem-based learning of material properties and changes in the form of objects in fifth grade elementary school. The research method used is the research and development (R&D) method with a 4D research model (Define, Design, Develop, and Disseminates). The place of research was conducted at SDN Bendungan Hilir 05 Pagi with the subjects being grade V elementary school students. Research data obtained by conducting interviews and filling out questionnaires for teachers and students. The results showed that the feasibility test by material experts reached a percentage of 87.5%, by a linguist it reached a percentage of 87.5%, and by media experts it reached a percentage of 96.67%. The conclusion obtained from this study is that E-LKPD IPA based on problem based learning material properties and changes in the shape of objects in class V SD was successfully developed as teaching material for class V students at SDN Benhil 05 Pagi and tested for feasibility in the very feasible category.*

**Keywords:** *E-LKPD, 4D, material properties and changes in the shape of objects*