

Siti Madiyah Ulfa. 2026. Pengembangan LKPD IPAS Berbasis *Problem Based Learning* Materi Perubahan Iklim di Kelas IV UPTD SDN Demangan 1 Bangkalan. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Isna Ida Mardiyana, S. Pd., M. Pd.

## ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan, keefektifan, dan kemenarikan LKPD IPAS berbasis *Problem Based Learning* pada materi perubahan iklim. Penelitian menggunakan metode *Research and Development* (R&D) dengan model pengembangan 4D yang meliputi tahap *define*, *design*, *develop*, dan *disseminate*. Subjek penelitian adalah peserta didik kelas IV-C UPTD SDN Demangan 1 Bangkalan. Hasil penelitian menunjukkan bahwa LKPD yang dikembangkan memenuhi kriteria valid, efektif, dan sangat menarik. Kevalidan produk diperoleh dari hasil validasi ahli bahan ajar sebesar 77%, ahli materi sebesar 77%, dan ahli desain pembelajaran sebesar 94%. Keefektifan produk ditinjau dari aktivitas guru, aktivitas siswa, dan hasil belajar peserta didik. Pada uji coba terbatas, aktivitas guru memperoleh persentase 84,5% dan aktivitas siswa 81,5%, sedangkan pada uji implementasi aktivitas guru memperoleh persentase 88,5% dan aktivitas siswa 81%, seluruhnya dalam kategori terlaksana. Hasil evaluasi menunjukkan ketuntasan belajar klasikal sebesar 100% pada uji coba terbatas dan 89% pada uji implementasi. Kemenarikan produk ditunjukkan oleh respon guru sebesar 100% pada kedua tahap uji serta respon siswa sebesar 92% pada uji coba terbatas dan 93% pada uji implementasi. Dengan demikian, LKPD IPAS berbasis *Problem Based Learning* dinyatakan valid, efektif, dan menarik sehingga layak digunakan dalam pembelajaran IPAS di sekolah dasar.

Kata kunci: LKPD IPAS, *Problem Based Learning*, Perubahan Iklim

Siti Madiyah Ulfa. 2026. *Development of Problem-Based Learning-Based IPAS Worksheets on Climate Change for Fourth Grade Students at UPTD SDN Demangan 1 Bangkalan*. Thesis. Elementary School Teacher Education Program, Faculty of Teacher Training and Education, Trunodjoyo University of Madura. Advisor: Isna Ida Mardiyana, S. Pd., M. Pd.

### **ABSTRACT**

*This study aims to determine the validity, effectiveness, and appeal of Problem-Based Learning (PBL)-based IPAS worksheets on the topic of climate change. The study employed the Research and Development (R&D) method using the 4D development model, which includes the define, design, develop, and disseminate stages. The research subjects were students in Class IV-C at UPTD SDN Demangan 1 Bangkalan. The results of the study indicate that the developed worksheets meet the criteria for validity, effectiveness, and high appeal. The validity of the product was determined by expert validation scores of 77% from instructional material experts, 77% from subject matter experts, and 94% from instructional design experts. The effectiveness of the product was assessed based on teacher activities, student activities, and student learning outcomes. In the limited trial, teacher activity scored 84.5% and student activity 81.5%, while in the implementation trial, teacher activity scored 88.5% and student activity 81%, all falling within the “implemented” category. Evaluation results showed a classical learning mastery rate of 100% in the limited trial and 89% in the implementation trial. The appeal of the product was demonstrated by a 100% teacher response rate in both testing phases and a 92% student response rate in the pilot test and a 93% response rate in the implementation test. Thus, the Problem-Based Learning (PBL)-based IPAS worksheets are deemed valid, effective, and engaging, making them suitable for use in IPAS instruction in elementary schools.*

*Keywords: IPAS Worksheets, Problem-Based Learning, Climate Change*