

ABSTRAK

ROMAITO ABIGAIL SINAGA. Pengembangan E-LKPD Berbasis *Problem Based Learning* (PBL) Berbantuan *Liveworksheet* Pada Pembelajaran IPAS Materi Hidup dan Bertumbuh Di Kelas V SDN 106161 Laut Dendang. Skripsi. Medan: Fakultas Ilmu Pendidikan Universitas Negeri Medan. 2024

Penelitian ini berfokus untuk menganalisis bagaimana validitas pengembangan E-LKPD, mengetahui praktikalitas dan efektivitas pengembangan E-LKPD berbasis Problem Based Learning (PBL) berbantuan *liveworksheet* pada pembelajaran IPAS materi Hidup dan Bertumbuh di kelas V SDN 106161 LAUT DENDANG. Masalah yang terdapat dalam penelitian ini adalah bahan ajar yang digunakan dalam proses pembelajaran masih bersifat konvensional, kurangnya pemanfaatan teknologi oleh guru dalam pengembangan Lembar Kerja Peserta Didik, peserta didik masih belum bisa memecahkan suatu permasalahan soal secara mandiri, serta belum adanya Lembar Kerja Peserta Didik Elektronik Berbasis Problem Based Learning (PBL) berbantuan *liveworksheet* di SDN 106161 Laut Dendang. Penelitian ini merupakan pengembangan (Research and Development) menggunakan model pengembangan ADDIE (Analysis, Design, Development, Implementation, Evaluation). Subjek penelitian ini adalah peserta didik kelas V dan objek penelitian ini adalah pengembangan E-LKPD berbasis PBL dengan bantuan *liveworksheet*. Hasil validasi materi oleh ahli materi memperoleh persentase 82% dengan kategori “Sangat Layak” dan validasi desain oleh ahli desain memperoleh persentase 83% dengan kategori “Sangat Layak”. Uji praktikalitas pendidik oleh praktisi Pendidikan memperoleh persentase 96% dengan kategori “Sangat Praktis”. Hasil uji efektivitas E-LKPD melalui pretest memperoleh rata-rata 48,97 dengan persentase ketuntasan 11,53% kategori “Tidak Efektif” sedangkan post-test memperoleh rata-rata 77,69 dengan persentase ketuntasan 76,92% kategori “Efektif”. Sehingga dapat disimpulkan bahwa E-LKPD berbasis PBL berbantuan *liveworksheet* yang dikembangkan sudah layak, praktis, dan efektif untuk digunakan dalam kegiatan pembelajaran di Sekolah Dasar.

Kata Kunci : Pengembangan, E-LKPD, PBL, *Liveworksheet*, IPAS

ABSTRACT

ROMAITO ABIGAIL SINAGA. Development of E-Learning Student Worksheets (E-LKPD) Based on Problem Based Learning (PBL) Assisted by Liveworksheets in IPAS Learning of Life and Growth Material in Class V of SDN 106161 Laut Dendang, Skripsi. Medan: Faculty of Education Universitas Negeri Medan. 2024

This study focuses on analyzing the validity of the development of E-LKPD, assessing the practicality and effectiveness of developing E-LKPD based on Problem Based Learning (PBL) assisted by Liveworksheets in IPAS learning of Life and Growth material for class V students at SDN 106161 LAUT DENDANG. The issues addressed in this study include the use of conventional teaching materials in the learning process, the limited use of technology by teachers in developing Student Worksheets, students' inability to solve problems independently, and the absence of Electronic Student Worksheets based on Problem Based Learning (PBL) assisted by Liveworksheets at SDN 106161 LAUT DENDANG. This research is a development (Research and Development) using the ADDIE (Analysis, Design, Development, Implementation, Evaluation) development model. The subjects of this study are class V students, and the object of this study is the development of PBL-based E-LKPD with the assistance of Liveworksheets. The results of material validation by material experts obtained a percentage of 82% in the "Very Feasible" category, and design validation by design experts obtained a percentage of 83% in the "Very Feasible" category. The practicality test of educators by education practitioners obtained a percentage of 96% in the "Very Practical" category. The results of the E-LKPD effectiveness test through the pretest obtained an average of 48.97 with a completion percentage of 11.53% in the "Ineffective" category, while the posttest obtained an average of 77.69 with a completion percentage of 76.92% in the "Effective" category. Therefore, it can be concluded that the PBL-based E-LKPD assisted by Liveworksheets developed is feasible, practical, and effective for use in learning activities at elementary schools.

Keywords: Development, E-LKPD, PBL, Liveworksheet, IPAS