

Banun Haidzir Amirul Hakim, 2026. Pengembangan E-LKPD Berbasis Inkuiri Terbimbing Menggunakan *Liveworksheet* Pada Materi Gaya Kelas IV SDN Junganyar 2, Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Bagus Rahmad Wijaya, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk menghasilkan E-LKPD Berbasis Inkuiri Terbimbing Menggunakan *Liveworksheet* pada Materi Gaya Kelas IV SDN Junganyar 2. Penelitian ini termasuk dalam jenis penelitian dan pengembangan (R&D) dengan model pengembangan 4D (*Define, Design, Development, Disseminate*) yang dimodifikasi. Hasil validasi menunjukkan bahwa E-LKPD berada kategori sangat valid dengan persentase kevalidan bahan ajar sebesar 86,66%, validasi desain pembelajaran sebesar 91,66%, dan validasi ahli materi sebesar 89,58%. Kepraktisan E-LKPD dibuktikan melalui hasil observasi guru sebesar 100% dan observasi siswa 96%, keduanya termasuk dalam kategori sangat praktis. Keefektifan E-LKPD ditunjukkan oleh ketuntasan klasikal siswa sebesar 100%, serta hasil angket respon siswa terhadap penggunaan E-LKPD dengan persentase 94% dalam kategori sangat efektif. Berdasarkan ketiga aspek tersebut, dapat disimpulkan bahwa E-LKPD Berbasis Inkuiri Terbimbing Menggunakan *Liveworksheet* efektif digunakan dalam pembelajaran IPAS materi gaya di kelas IV SD. Dengan demikian, E-LKPD yang dikembangkan valid, praktis, dan efektif untuk digunakan dalam proses pembelajaran.

Kata Kunci: E-LKPD, Inkuiri Terbimbing, *Liveworksheet*, Gaya

Banun Haidzir Amirul Hakim, 2026. *Development of electronic student worksheet Based on Guided Inquiry Using Liveworksheet on Force Material of Class IV SDN Junganyar 2*, Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University Madura. Supervisor: Bagus Rahmad Wijaya, S.Pd., M.Pd.

ABSTRACT

This study aims to develop an electronic student worksheet based on Guided Inquiry using Liveworksheet on the topic of force for Grade IV students at SDN Junganyar 2. This research is categorized as Research and Development (R&D) employing a modified 4D development model (Define, Design, Development, Disseminate). The validation results indicate that the E-LKPD is classified as highly valid, with a teaching material validity percentage of 86.66%, instructional design validation of 91.66%, and material expert validation of 89.58%. The practicality of the E-LKPD is demonstrated through teacher observation results of 100% and student observation results of 96%, both of which fall into the very practical category. The effectiveness of the E-LKPD is shown by the students' classical completeness reaching 100%, as well as the results of the student response questionnaire toward the use of the E-LKPD, which obtained a percentage of 94% and is categorized as highly effective. Based on these three aspects, it can be concluded that the Guided Inquiry-based E-LKPD using Liveworksheet is effective for use in teaching science (IPAS) on the topic of force in Grade IV elementary school. Therefore, the developed E-LKPD is valid, practical, and effective for use in the learning process.

Keywords: E-Worksheet, Guided Inquiry, Liveworksheet, Force