

PENGEMBANGAN E-LKPD INTERAKTIF BERBASIS *PROBLEM SOLVING* PADA MUATAN IPA MATERI SUMBER ENERGI KELAS IV SDN 1 POH BERGONG TAHUN PELAJARAN 2021/2022

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ABSTRAK

Perangkat pembelajaran yang dianggap masih cenderung kurang dalam melakukan kegiatan pembelajaran daring sehingga peserta didik kesulitan mengerti materi serta menyelesaikan tugas yang telah diberikan. Berdasarkan permasalahan tersebut, dirasa penting untuk mengembangkan perangkat pembelajaran E-LKPD interaktif berbasis *problem solving* sebagai sarana dalam pembelajaran guna memudahkan peserta didik serta guru dalam pelaksanaan pembelajaran IPA terutama pada materi sumber energi. Studi ini bertujuan untuk perangkat pembelajaran E-LKPD Interaktif berbasis *problem solving* materi sumber energi kelas IV Sekolah Dasar yang valid. Pengembangan E-LKPD Interaktif ini berpedoman pada prosedur ADDIE yang memiliki lima tahapan, yaitu: analisis (*analyze*), perancangan (*design*), pengembangan (*development*), implementasi (*implementation*), serta evaluasi (*evaluation*). Namun studi ini hanya sampai tahap pengembangan (*development*). Subjek uji coba berupa E-LKPD interaktif berbasis *problem solving* pada muatan IPA materi sumber energi kelas IV Sekolah Dasar. Objek dalam penelitian ini yaitu validitas E-LKPD interaktif muatan IPA materi sumber energi kelas IV Sekolah Dasar. Pengumpulan data mempergunakan metode kuesioner dengan instrumen *rating scale* skala 4. Analisis data mempergunakan rumus persentase. Dari analisis yang telah dilaksanakan diperoleh persentase dari uji ahli materi, uji ahli media, respons praktisi dan respons siswa secara berturut-turut sebesar 93%, 94,3%, 97,3%, 96,4% dengan predikat sangat baik. Disimpulkan, E-LKPD Interaktif ini layak dan valid dipergunakan pada kegiatan pembelajaran untuk siswa kelas IV SDN 1 Poh Bergong.

Kata-kata kunci : E-LKPD Interaktif, *problem solving*, model ADDIE.

DEVELOPMENT OF AN INTERACTIVE E-LKPD BASED ON PROBLEM SOLVING ON SCIENCE CONTENT FOR CLASS IV ENERGY SOURCE MATERIALS AT SDN 1 POH BERGONG ACADEMIC YEAR 2021/2022

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ABSTRACT

Learning devices that are considered to still tend to be lacking in carrying out online learning activities so that students have difficulty understanding the material and completing the tasks that have been given. Based on these problems, it is deemed important to develop problem solving-based interactive E-LKPD learning tools as a means of learning to facilitate students and teachers in implementing science learning, especially on energy source materials. This study aims to provide valid problem solving-based Interactive E-LKPD learning tools for fourth grade elementary school energy sources. The development of this Interactive E-LKPD is guided by the ADDIE procedure which has five stages, namely: analysis, design, development, implementation, and evaluation. However, this study only reached the development stage. The test subject is an interactive E-LKPD based on problem solving on the science content of the fourth grade elementary school energy source material. The object of this research is the validity of the interactive E-LKPD content of science content for energy source material for grade IV Elementary School. Collecting data using a questionnaire method with a rating scale instrument of 4. Data analysis uses the percentage formula. From the analysis that has been carried out, the percentages of material expert tests, media expert tests, practitioner responses and student responses are 93%, 94.3%, 97.3%, 96.4% with very good predicates. In conclusion, this Interactive E-LKPD is feasible and valid to be used in learning activities for fourth grade students at SDN 1 Poh Bergong.

Keywords: ADDIE model, Interactive E-LKPD, Problem solving,.