

ABSTRAK

Sinta Susana. 2024. **PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK ELEKTRONIK (E-LKPD) BERBASIS MODEL *PROJECT-BASED LEARNING* BERBANTUAN WIZER.ME PADA MATERI FLUIDA DINAMIS**

Penelitian ini dilatarbelakangi oleh keterbatasan pada pembelajaran yaitu penggunaan LKPD belum optimal. Upaya yang dilakukan oleh peneliti untuk mengatasi masalah tersebut yaitu dengan mengembangkan Lembar Kerja Peserta Didik Elektronik (E-LKPD) berbasis model *project-based learning* berbantuan wizer.me. Tujuan penelitian ini adalah untuk (1) mendeskripsikan proses pengembangan Lembar Kerja Peserta Didik Elektronik (E-LKPD) berbasis model *project-based learning* berbantuan wizer.me pada materi fluida dinamis; (2) mendeskripsikan tingkat validitas Lembar Kerja Peserta Didik Elektronik (E-LKPD) berbasis model *project-based learning* berbantuan wizer.me pada materi fluida dinamis; (3) mendeskripsikan tingkat kepraktisan Lembar Kerja Peserta Didik Elektronik (E-LKPD) berbasis model *project-based learning* berbantuan wizer.me pada materi fluida dinamis. Metode penelitian yang digunakan adalah *Research and Development (R&D)* dengan model pengembangan 4D (*define, design, develop, and disseminate*). Subjek penelitian ini adalah XI MIPA SMA Negeri 5 Tasikmalaya. Kelayakan E-LKPD diukur dengan melakukan validasi meliputi ahli materi, ahli model pembelajaran, dan ahli media. Teknik analisis data yang digunakan dalam mengolah hasil validasi adalah indeks Aiken's V. Kepraktisan E-LKPD diukur dengan melakukan penyebaran angket kepraktisan kepada peserta didik dan pendidik. Teknik analisis data yang digunakan dalam mengolah hasil uji praktikalitas dengan menghitung nilai rata-rata praktikalitas. Hasil penelitian menunjukkan bahwa indeks aiken's V ahli materi, ahli model pembelajaran, dan ahli media berturut-turut sebesar 0,93, 0,97, dan 0,87 dengan kategori sangat valid serta rata-rata persentase kepraktisan sebesar 93% dengan kriteria sangat praktis. E-LKPD berbasis model *project-based learning* berbantuan wizer.me pada materi fluida dinamis yang dikembangkan memenuhi kriteria sangat valid dan praktis untuk digunakan dalam kegiatan pembelajaran.

Kata kunci: E-LKPD, Fluida Dinamis, *Project-Based Learning*, Wizer.Me

ABSTRACT

Sinta Susana. 2024. **DEVELOPMENT OF ELECTRONIC STUDENT WORKSHEETS (E-LKPD) BASED ON THE PROJECT-BASED LEARNING MODEL ASSISTED WITH WIZER.ME ON DYNAMIC FLUID MATERIALS**

*This research is motivated by the limitations in learning, namely the use of LKPD was not optimal. Efforts made by researchers to overcome these problems are by developing Electronic Learner Worksheets (E-LKPD) based on the project-based learning model assisted by wizer.me. The objectives of this study are to (1) describe the development process of Electronic Learner Worksheets (E-LKPD) based on project-based learning model assisted by wizer.me on dynamic fluid material; (2) describe the validity level of Electronic Learner Worksheets (E-LKPD) based on project-based learning model assisted by wizer.me on dynamic fluid material; (3) describe the level of practicality of Electronic Learner Worksheets (E-LKPD) based on project-based learning model assisted by wizer.me on dynamic fluid material. The research method used is Research and Development (R&D) with the 4D development model (define, design, develop, and disseminate). The subject of this research is XI MIPA SMA Negeri 5 Tasikmalaya. The feasibility of E-LKPD is measured by conducting validation including material experts, learning model experts, and media experts. The data analysis technique used in processing the validation results is Aiken's *V* index. The practicality of E-LKPD is measured by distributing practicality questionnaires to students and educators. The data analysis technique used in processing the practicality test results by calculating the average value of practicality. The results showed that the Aiken's *V* index of material experts, learning model experts, and media experts was 0.93, 0.97, and 0.87 respectively with a very valid category and the average percentage of practicality was 93% with very practical criteria. The E-LKPD based on the project-based learning model assisted by wizer.me on dynamic fluid material developed meets the criteria of being very valid and practical for use in learning activities.*

Keywords: E-LKPD, Dynamic Fluid, Project-Based Learning, Wizer.Me