

ABSTRACT

The E-LKPD Electronic Student Worksheet is a work guide for students to make it easier for students to understand learning material in electronic form which uses desktop computers, notebooks, smartphones in its application. This study discusses the Liveworksheet-assisted E-LKPD. Based on the results of the analysis of learning media needs at SMP Negeri 1 Merapi Selatan, teachers still use conventional media, as well as the low interest of students in learning science. This study aims to develop an E-LKPD for movement system disorders in human SMP/MTs based on interactive multimedia. Based on the research results, it is expected to increase students' interest in the science learning process. The ADDIE development research model, which is limited to the product implementation stage (Implementation). The instrument used in this study was the media expert validation sheet, material and language obtained an average of 83% in the very valid category (very feasible to use). Measurement of the practicality of the E-LKPD based on the student response questionnaire obtained a percentage of 92% in the very practical category. Based on the results of the study, it can be concluded that the E-LKPD for movement system disorders in humans is based on interactive multimedia that has been developed practically and is very suitable for use as science teaching material for SMP/MTs.

Keywords: E-LKPD, Interactive Multimedia, ADDIE Development

ABSTRAK

E-LKPD Lembar Kerja Peserta Didik Elektronik merupakan panduan kerja peserta didik untuk mempermudah siswa dalam memahami materi pembelajaran dalam bentuk elektronik yang dalam pengaplikasiannya menggunakan dekstop komputer, *notebook*, *smartphone*. Penelitian ini membahas mengenai E-LKPD berbantuan *Liveworksheet*. Berdasarkan hasil analisis kebutuhan media pembelajaran di SMP Negeri 1 Merapi Selatan guru masih menggunakan media konvensional, serta rendahnya minat peserta didik dalam pembelajaran IPA. Penelitian ini bertujuan untuk mengembangkan E-LKPD gangguan sistem gerak pada manusia SMP/MTs berbasis multimedia interaktif. Berdasarkan hasil penelitian diharapkan dapat menambah minat peserta didik dalam proses pembelajaran IPA. Model penelitian pengembangan ADDIE, yang dibatasi hanya sampai tahap implementasi produk (*Implementation*). Instrumen yang digunakan dalam penelitian ini adalah lembar validasi ahli Media, materi dan bahasa diperoleh y rata-rata sebesar 83% dalam kategori sangat valid (sangat layak digunakan). Pengukuran praktikalitas E-LKPD berdasarkan Angket respon peserta didik diperoleh persentase 92% kategori sangat praktis. Berdasarkan hasil penelitian dapat disimpulkan bahwa E-LKPD gangguan sistem gerak pada manusia berbasis multimedia interaktif yang telah dikembangkan praktis serta sangat layak digunakan sebagai bahan ajar IPA SMP/MTs.

Kata Kunci: E-LKPD, Multimedia Interaktif, Pengembangan ADDIE