

Sitti Nurhalisa Saleh. 2020. Pengembangan Perangkat Pembelajaran Berbantuan Media PhET pada Materi Cahaya dan Optik. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Fatimatul Munawaroh dan Pembimbing 2 : Nur Qomaria

ABSTRAK

Tujuan penelitian yang dilakukan adalah untuk mengetahui kelayakan perangkat pembelajaran, keterbacaan LKS, dan respons siswa terhadap pengembangan perangkat pembelajaran berbantuan media PhET pada materi cahaya dan optik. Model pengembangan yang digunakan model pengembangan ADDIE. Tahapan model pengembangan ADDIE meliputi tahap analisis (*Analysis*), Tahap Desain (*Design*), tahap pengembangan (*Development*), tahap implementasi (*Implementation*), tahap evaluasi (*Evaluate*). Uji coba pada siswa dilaksanakan pada tahap implementasi. Uji coba dilaksanakan sesuai dengan banyaknya sampel yaitu siswa kelas VIII semester genap tahun ajaran 2019/2020 sebanyak 10 siswa di Kecamatan Pamekasan. Uji coba dilakukan dengan teknik door to door. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Perangkat pembelajaran berbantuan media PhET pada materi cahaya dan optik layak digunakan. (2) Keterbacaan LKS dapat terbaca dengan sangat baik (3) Lembar Kerja Siswa (LKS) berbantuan media PhET baik untuk digunakan oleh siswa.

Kata Kunci: Lembar Kerja Siswa ,Perangkat pembelajaran, *PhET*

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ABSTRACT

The purposes of research carried out were knowing the feasibility of the learning device, student worksheet legibility, and student response for learning devices development assisted PhET learning media on light and optical material. A development model that used was the ADDIE development model. The phases of the ADDIE development model were analysis, design, development, implementation, and evaluate. Student trials were held on implementation phase. The trials were held on VIII class students on even semester 2019/2020 accorded to the number of sample with 10 students in Pamekasan sub-district. The trials were carried out by door-to-door technique. According to result research could be concluded: (1) the learning devices assisted PhET learning media on light and optical material decent to used. (2) student worksheet legibility could be concluded that the student worksheet could be read very well. (3) the student worksheet assisted PhET learning media on light and optical material decent to used.

Keywords: student worksheets, Learning devices, PhET

