

ABSTRAK

Marissa Sirait, NIM. 4203121025. Pengembangan LKPD (Lembar Kerja Peserta Didik) Berbasis TTS (Teka Teki Silang) Berbantuan Sigil Pada Materi Alat-Alat Optik Di SMA.

Penelitian yang dilakukan bertujuan untuk mengetahui tingkat kelayakan, kepraktisan dan keefektifan Lembar Kerja Peserta Didik Berbasis Teka Teki Silang di kelas XI MIA SMA Negeri 1 Sei Suka. Penelitian ini merupakan jenis penelitian pengembangan atau *research and development (R&D)*. Desain pengembangan LKPD berbasis TTS yang dilakukan menggunakan model pengembangan *ADDIE*. Secara keseluruhan diperoleh rata-rata hasil validasi materi yaitu 98%, hasil validasi media memperoleh persentase rata-rata yaitu 93%, rata-rata persentase untuk kepraktisan produk LKPD berbasis TTS adalah 85% dan hasil penghitungan *N-Gain Score* Motivasi Belajar siswa diperoleh skor 0,45. Secara keseluruhan, penelitian ini menyimpulkan bahwa lembar kerja berbasis teka-teki silang dianggap "tepat" untuk penggunaan di kelas, "sangat praktis" berdasarkan respon siswa dan wawancara guru, dan "cukup efektif" dalam meningkatkan motivasi siswa, khususnya dalam materi alat-alat optik.

Kata Kunci: Alat Alat Optik, LKPD, TTS

ABSTRACT

Marissa Sirait, NIM. 4203121025. Development of LKPD (Learner Worksheet) Based on TTS (Crossword) with Sigil Assistance on the Material of Optical Devices in High School.

The research conducted aims to determine the level of feasibility, practicality and effectiveness of Crossword-based Learner Worksheets in class XI MIA SMA Negeri 1 Sei Suka. This research is a type of development research or research and development (R&D). The design of the TTS-based LKPD development carried out using the ADDIE development model. Overall, the average results of material validation were 98%, the results of media validation obtained an average percentage of 93%, the average percentage for the practicality of TTS-based LKPD products was 85% and the results of calculating the N-Gain Score of students' Learning Motivation obtained a score of 0.45. Overall, this study concludes that the crossword puzzle-based worksheet is considered “appropriate” for classroom use, “very practical” based on student responses and teacher interviews, and “quite effective” in increasing student motivation, especially in optical equipment material.

Keywords: *Optical Equipment, LKPD, TTS*

