

Riki Ardianto. 2024. *Pengembangan LKPD Berbantu Augmented Reality Pada Mata Pelajaran WAN Untuk Kelas XI TKJ*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Medika Risnasari, S.ST., M.T.

ABSTRAK

Bahan ajar merupakan bagian penting dalam proses pembelajaran. namun bahan ajar yang digunakan di SMK Darul Mustofa cukup terbatas, hal tersebut disebabkan oleh sistem sekolah yang berbasis pondok yang menyebabkan siswa terbatas dalam mengakses perangkat seperti *handphone*. Sumber belajar yang sering digunakan dalam kegiatan belajar di kelas adalah buku dan LKPD, pada mata pelajaran WAN sumber belajar dikelas terbatas pada LKPD konvensional yang bersifat monoton sehingga kurang dalam menari minat belajar siswa kelas XI TKJ. Penelitian ini bertujuan mengembangkan bahan ajar alternatif berupa LKPD berbantu *augmented reality* pada mata pelajaran WAN guna meningkatkan minat belajar peserta didik. Produk dikembangkan dengan menggunakan model penelitian ADDIE yang terdiri dari *analysis*, *design*, *development*, *implementation*, dan *evaluation*. Hasil uji terhadap 2 ahli materi mendapatkan rata-rata sebesar 92,49%, uji ahli 2 media mendapatkan rata-rata sebesar 86,42%, uji coba perorangan mendapat presentase 97,32%, uji coba kelompok kecil mendapat presentase 95,75%, dan uji coba kelompok besar mendapat presentase 93,28%. Dapat disimpulkan bahwa LKPD berbantu AR yang dikembangkan sangat layak digunakan sebagai bahan ajar alternatif dalam kegiatan pembelajaran.

Kata Kunci: LKPD, *Augmented Reality*, ADDIE, Fiber Optik, Respon Peserta didik.

Riki Ardianto. 2024. Development of LKPD Assisted by Augmented Reality in WAN Subjects for Class XI TKJ. Thesis, Informatics Education Study Program, Faculty of Education, Trunojoyo Madura University. Supervisor: Medika Risnasari, S.ST., M.T.

ABSTRACT

Teaching materials are an important part of the learning process. However, the teaching materials used at Darul Mustofa Vocational School are quite limited, this is due to the boarding-based school system which causes students to have limited access to devices such as cellphones. The learning resources that are often used in classroom learning activities are books and LKPD. In the WAN subject, classroom learning resources are limited to conventional LKPD which are monotonous so that there is a lack of interest in learning for class XI TKJ students. This research aims to develop alternative teaching materials in the form of LKPD assisted by augmented reality in WAN subjects in order to increase students' interest in learning. The product was developed using the ADDIE research model which consists of analysis, design, development, implementation and evaluation. The test results for 2 material experts got an average of 92.49%, the test results for 2 media experts got an average of 86.42%, individual trials got a percentage of 97.32%, small group trials got a percentage of 95.75% , and large group trials got a percentage of 93.28%. It can be concluded that the AR-assisted LKPD developed is very suitable for use as alternative teaching material in learning activities.

Keyword: LKPD, Augmented Reality, ADDIE, Fiber Optic, Student Response.