PENGEMBANGAN TRAINER *COUNTER SEVEN SEGMENT* SEBAGAI MEDIA PEMBELAJARAN PENERAPAN RANGKAIAN ELEKTRONIKA

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ABSTRAK

Penelitian ini bertujuan untuk: 1) membuat media pembelajaran Trainer *Counter Seven Segment*, 2) mengetahui kelayakan Trainer *Counter Seven Segment* pada pembelajaran mengenai materi Rangkaian *Counter,* 3) dan mengetahui respons peserta didik terhadap Trainer *Counter Seven Segment*. Penelitian ini, termasuk jenis penelitian *R&D* (*Research and Development*). Penelitian ini menggunakan analisa data persentase kelayakan untuk mengolah data kuesioner uji ahli isi dan uji ahli media, sedangkan untuk uji kelompok kecil dan uji kelompok besar menggunakan analisa data model Standar Skala Lima. Penelitian menggunakan kuesioner sebagai instrumen pengumpulan data oleh ahli isi (materi), ahli media dan peserta didik. Hasil penelitian diperoleh: 1) hasil validasi ahli isi diperoleh persentase sebesar 92,00% dengan kualifikasi sangat layak, 2) hasil validasi ahli media diperoleh persentase sebesar 98,86% dengan kualifikasi sangat layak, 3) hasil uji coba kelompok kecil diperoleh dari lima responden semua termasuk kategori sangat tinggi, 4) hasil uji coba kelompok besar diperoleh dari dua puluh enam responden semua termasuk kategori sangat tinggi. Berdasarkan hasil penelitian, media pembelajaran Trainer *Counter Seven Segment* layak digunakan dalam proses pembelajaran pada mata pelajaran Penerapan Rangkaian Elektronika di Jurusan Teknik Audio Video di SMK Negeri 3 Singaraja.

Kata Kunci : Media Pembelajaran, Trainer *Counter Seven Segment*, Penerapan Rangkaian Elektronika.

ABSTRACT

This study aims to: 1) create a Seven Segment Counter Trainer learning media, 2) determine the feasibility of a Seven Segment Counter Trainer in learning about the Counter Sequence material, 3) and determine students' responses to the Seven Segment Counter Trainer. This research, including the type of research R&D (Research and Development). This study uses data analysis on the feasibility percentage for processing the content expert test questionnaire data and the media expert test, while for the small group test and large group test use the Five Scale Standard data model analysis. The study used a questionnaire as an instrument for data collection by content experts, media experts and students. The results obtained: 1) the results of content expert validation obtained a percentage of 92.00% with very decent qualifications, 2) the results of validation of media experts obtained a percentage of 98.86% with very decent qualifications, 3) the results of small group trials were obtained from five all respondents included in the very high category, 4) large group trial results obtained from twenty-six respondents all included in the very high category. Based on the research results, Trainer Counter Seven Segment learning media is appropriate to be used in the learning process in the subjects of the Application of Electronic Circuits in the Audio Video Engineering Department at SMK Negeri 3 Singaraja.

***Keywords:** Learning Media, Counter Seven Segment Trainer, Application of Electronic Circuits.*