

ABSTRAK

Annisa Silvia Utami, Nim 5171131001 (2022). Pengembangan Lembar Kerja Peserta Didik Pada Mata Sistem Kontrol Terprogram di SMK Negeri 13 Medan 2020/2021. Skripsi. Fakultas Teknik Universitas Negeri Medan.2022.

Penelitian ini bertujuan untuk mengetahui: (1) Prosedur pengembangan Lembar Kerja Peserta Didik pada mata pelajaran Sistem Kontrol Terprogram, (2) Kelayakan Lembar Kerja Peserta Didik pada mata pelajaran Sistem Kontrol Terprogram. Penelitian ini merupakan jenis pengembangan. Model pengembangan yang digunakan adalah model pengembangan *Four - D* yang terdiri dari empat langkah dimana hanya dilaksanakan sampai tahap ketiga yaitu: (1) Define, (2) Design, dan (3) Develop. Penelitian ini dilakukan pada kelas XI di SMK Negeri 13 Medan. Uji kelayakan produk dinilai oleh dua ahli materi dan dua ahli media. Teknik analisis data menggunakan instrument angket yang kemudian akan dikategorikan berdasarkan skala *likert*. Hasil penelitian pengembangan ini menunjukkan bahwa: (1) Hasil pengembangan Lembar Kerja Peserta Didik yang disusun berdasarkan sintaks silabus, KI/KD, tujuan, manfaat, materi, soal latihan; (2) Hasil uji kelayakan oleh dua ahli materi mendapatkan persentase sebesar 86,245% dengan kategori sangat layak dan dua ahli media dengan persentase sebesar 87,08% dengan kategori sangat layak.

Kata Kunci: Pengembangan, Lembar Kerja Peserta Didik, Sistem Kontrol Terprogram.

ABSTRACT

Annisa Silvia Utami, Nim 5171131001 (2022). Development of Learning Student Worksheets in Basic Electrical and Electronics Subjects at 13 State Vocational School in Medan 2020/2021. Essay. Faculty of Engineering Medan State University.2022.

This research aims to determine: (1) The procedure for developing Student Worksheets on basic of digital tehnic subjects, (2) Eligibility of Learning Student Worksheets in Programmable Control System. This research is a development type. The development model used is the Four – D development model which consists of four steps which are only carried out until the thirth stage, namely: (1) Define, (2) Design, and (3) Develop. This research was conducted in class X at SMK 13 Medan. The product feasibility test was validated by two material experts and two media experts. The data analysis technique uses a questionnaire instrument which will then be categorized based on the Likert scale. The results of this development research indicate that: (1) The results of the development of Learning Student Worksheets which are arranged based on the syllabus syntax, KI/KD, objectives, benefits, materials, practice questions; (2) The results of the feasibility test by two material experts get a percentage of 86,245% in the very appropriate category and two media experts with a percentage of 87,08% in the very appropriate category.

Keywords: Development, Learning Student Worksheets, Programmable Control System

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