

ABSTRAK

JOHERMAN SITUMORANG: Pengembangan Jobsheet pada mata pelajaran instalasi motor listrik kelas XI TITL di SMK Negeri 2 Pematangsiantar. Skripsi. Fakultas Teknik – Universitas Negeri Medan. 2023

Penelitian ini bertujuan untuk mengembangkan *jobsheet* sebagai sumber belajar praktik instalasi motor listrik dan mengetahui kelayakan *jobsheet* instalasi motor listrik kelas XI Teknik Instalasi Tenaga Listrik di SMK Negeri 2 Pematangsiantar. Metodologi penelitian ini adalah penelitian dan pengembangan (*Research & Development*) dengan model pengembangan *Four-D Models* oleh Thiagarajan. *Four-D Models* terdiri dari 4 tahap, yaitu: 1). Pendefinisian (*Define*), 2). Perancangan (*Design*), 3). Pengembangan (*Develop*), 4). Penyebaran (*Dissminate*). Tahap *Dissminate* tidak dilaksanakan karena lingkup penelitian yang sempit. Pengambilan data validasi materi, media dan pengguna menggunakan skala likert.

Berdasarkan hasil analisis dan pembahasan, diketahui bahwa: 1) Penelitian pengembangan ini menghasilkan sumber belajar sesuai dengan silabus yaitu *jobsheet* teknik pengukuran yang terdiri dari 6 kegiatan praktik. 2) Tingkat kelayakan *jobsheet* diketahui dari hasil penilaian ahli materi, ahli media, validasi pengguna. Hasil validasi ahli materi yang meliputi aspek kelayakan isi, kebahasaan, sajian, dan manfaat mencapai rata-rata nilai 110.5 dengan persentase 88.4% pada kategori “sangat layak”. Hasil validasi ahli media yang meliputi aspek tampilan, kemudahan penggunaan, konsistensi, format, dan kegrafikan mencapai rata-rata nilai 101.5 dengan persentase 92,27% pada kategori “sangat layak”. Berdasarkan respon siswa memperoleh nilai rata-rata 114.5 dengan persentase 91,6% pada kategori “sangat layak”.

Kata-kata Kunci : *Four- D Models, Jobsheet, Instalasi Motor Listrik*



ABSTRACT

JOHERMAN SITUMORANG: Jobsheet Development for the Class XI Electric Motor Installation subject Electrical Power Installation Engineering at SMK Negeri 2 Pematangsiantar. Thesis. Faculty of Engineering – Medan State University. 2023.

This research aims to develop a job sheet as a learning resource for electric motor installation practices and determine the feasibility of an electric motor installation job sheet for class XI Electrical Power Installation Engineering at SMK Negeri 2 Pematangsiantar.

This research method is research and development using the Four-D Models development model by Thiagaradjan. Four-D Models consists of 4 stages, namely: 1). Define, 2). Design, 3). Development, 4). Dissemination. The Dissemination Phase was not implemented due to the narrow scope of the research. Retrieval of material, media and user validation data using a Likert scale.

Based on the results of the analysis and discussion, it is known that: 1) This development research produces learning resources in accordance with the syllabus, namely a measurement techniques jobsheet consisting of 6 practical activities. 2) The level of suitability of the job sheet is known from the results of assessments by material experts, media experts, and user validation. The results of material expert validation which included aspects of appropriateness of content, language, presentation and benefits reached an average score of 110.5 with a percentage of 88.4% in the "very feasible" category. Media expert validation results covering aspects of appearance, ease of use, consistency, format and graphics achieved an average score of 101.5 with a percentage of 92.27% in the "very feasible" category. Based on student responses, they obtained an average score of 114.5 with a percentage of 91.6% in the "very feasible" category.

Keywords : *Four-D Models, Jobsheet, Electric Motor Installation*

