

ABSTRAK

Mulyo Triantoro Tandi : Pengembangan Lembar Kerja Praktikum Mata Pelajaran Instalasi Motor Listrik Kelas Xi Teknikinstalasi Tenaga Listrik Di Smk Negeri 1 Percut Sei Tuan. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2021.

Penelitian ini bertujuan untuk: (1) mengetahui bagaimana prosedur pengembangan lembar kerja praktikum instalasi motor listrik. (2) mengetahui bagaimana tingkat kelayakan lembar kerja praktikum instalasi motor listrik kelas di XI TITL di SMKN 1 Percut Sei Tuan.

Penelitian ini termasuk dalam penelitian dan pengembangan menggunakan model 4-D (Four-D models) yang meliputi: (1) *Define* (pendefinisian) tahap awal yang bertujuan untuk menentukan tujuan serta informasi terkait media yang dikembangkan. (2) *Design* (merancang), yaitu tahap merancang media yang dikembangkan. (3) *Develope* (pengembangan), yaitu tahap mengembangkan media yang dikembangkan. (4) *Disseminate* (penyebaran), yaitu tahap menyebarkan produk akhir dari media yang dikembangkan. Jenis data yang digunakan adalah kuantitatif dan kualitatif. Pengumpulan data dilakukan dengan angket. Dalam penelitian pengembangan ini digunakan instrumen berupa angket atau kuesioner untuk memperoleh data yang dibutuhkan. Teknik analisis data dalam penelitian ini adalah deskriptif kuantitatif.

Hasil penelitian diketahui bahwa: (1) Pengembangan *Job Sheet* sesuai dengan model pengembangan *4-D Models*; dan (2) Berdasarkan hasil penilaian ahli materi mencapai nilai rata-rata 116 dengan presentase 92.8% (sangat layak). Berdasarkan hasil penilaian ahli bahasa mencapai nilai rata-rata 23 dengan presentase 92% (sangat layak). Berdasarkan hasil penilaian ahli media mencapai nilai rata-rata 81,5 dengan presentase 92,5%. (sangat layak). Berdasarkan respon siswa memperoleh nilai rata-rata 112,35 dengan presentase 93,6% (sangat baik). Berdasarkan respon guru memperoleh nilai rata-rata 107,5 dengan presentase 86% (layak). Dengan demikian pengembangan lembar kerja praktikum ini sangat layak digunakan karena telah diuji oleh para ahli dan uji terbatas.

Kata kunci : Pengembangan, Job Sheet, Instalasi Motor Listrik.

ABSTRACT

Mulyo Triantoro Tandi : Development of Practicum Jobsheet for Class Xi Electrical Motor Installation Subjects Electrical Power Installation Engineering at State Vocational High School 1 Percut Sei Tuan. Essay. Faculty of Engineering, State University of Medan. 2021.

This study aims to (1) find out how the procedure for developing an electric motor installation practicum worksheet. (2) find out how the level of feasibility of the electric motor installation practicum worksheet for class XI TITL at SMKN 1 Percut Sei Tuan is.

This research is included in research and development using a 4-D model (Four-D models) which includes (1) Define the initial stage which aims to determine the objectives and information related to the developed media. (2) Design (designing), namely the stage of designing the developed media. (3) Develop (development), namely the stage of developing the developed media. (4) Disseminate (dissemination), namely the stage of disseminating the final product of the developed media. The types of data used are quantitative and qualitative. Data collection was carried out by means of a questionnaire. In this development research used an instrument in the form of a questionnaire or questionnaire to obtain the required data. The data analysis technique in this research is descriptive quantitative.

The results showed that (1) Job Sheet development was in accordance with the 4-D Models development model; and (2) Based on the results of the material expert's assessment, it reached an average score of 116 with a percentage of 92.8% (very feasible). Based on the results of the assessment of linguists, it reached an average value of 23 with a percentage of 92% (very feasible). Based on the results of the assessment of media experts, it reached an average value of 81.5 with a percentage of 92.5%. (very worth it). Based on the students' responses, they got an average score of 112.35 with a percentage of 93.6% (very good). Based on the teacher's response, the average score was 107.5 with a percentage of 86% (decent). Thus the development of this practicum worksheet is very feasible to use because it has been tested by experts and has limited testing.

Keywords : Development, Job Sheet, Electric Motor Installation.