

ABSTRAK

Teguh Wibowo. NIM 5162111022. Pembuatan Lembar Kerja Siswa (Lks) Berbasis *Problem Based Learning* Pada Mata Pelajaran Gambar Teknik Kelas X Program Keahlian Teknik Konstruksi Dan Properti Jurusan Desain Pemodelan Dan Informasi Bangunan Smk Negeri 3 Takengon.

Skripsi. Fakultas Teknik – Universitas Negeri Medan

Penelitian ini bertujuan untuk: (1) Mengetahui karakteristik LKS *Problem Based Learning* Gambar Teknik yang dikembangkan pada mata pelajaran Gambar Teknik Kelas X Jurusan Desain Pemodelan dan Informasi Bangunan SMK Negeri 3 Takengon. (2) Mengetahui kelayakan LKS *Problem Based Learning* Gambar Teknik sebagai bahan ajar mata pelajaran Gambar Teknik kelas X Keahlian Desain Pemodelan dan Informasi Bangunan di SMK Negeri 3 Takengon berdasarkan ahli media, ahli materi, dan ahli bahasa. Jenis penelitian ini adalah penelitian riset dan pengembangan. Penelitian ini menggunakan metode penelitian pengembangan model 4D meliputi tahapan pendefinisian (*Define*), perancangan (*Design*), pengembangan (*Development*), dan penyebarluasan (*Dissiminate*). Instrumen pengambilan data berupa angket dimana hasil data tersebut untuk menguji kelayakan LKS melalui validasi ahli media, ahli materi, ahli bahasa, pengguna (siswa). Hasil pengujian kelayakan oleh ahli media mendapat 81,62% dengan kategori layak, hasil pengujian kelayakan oleh ahli materi mendapat 86,36% dengan kategori Sangat layak, hasil pengujian kelayakan oleh ahli bahasa mendapat 80% dengan kategori layak, dan hasil pengujian respon dari pengguna yang terdiri dari 12 siswa memperoleh 86,83% dengan kategori sangat baik.. Hasil penelitian menunjukkan bahwa LKS berbasis *Problem Based Learning* layak digunakan pada siswa kelas X Jurusan Desain Pemodelan Dan Informasi Bangunan di SMK Negeri 3 Takengon.

Kata Kunci : Riset dan Pengembangan, Pengembangan Media, Lembar Kerja Siswa, *Problem Based Learning*, Gambar Teknik.

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ABSTRACT

Teguh Wibowo. NIM 5162111022. Making Student Worksheets (Lks) Based on Problem Based Learning in Engineering Drawing Subject Class X Construction and Property Engineering Expertise Program, Modeling Design and Building Information Department, State Vocational High School 3 Takengon.

Essay. Faculty of Engineering – State University of Medan

This study aims to: (1) Know the characteristics of the Technical Drawing Problem Based Learning LKS developed in the Class X Engineering Drawing subject, Modeling and Building Information Design Department, SMK Negeri 3 Takengon. (2) Knowing the feasibility of Technical Drawing Problem Based Learning Worksheets as teaching materials for Engineering Drawing subject class X Modeling Design and Building Information Expertise at SMK Negeri 3 Takengon based on media experts, material experts, and linguists. This type of research is research and development research. This study uses the 4D model development research method including the stages of defining, designing, developing, and disseminating. The data collection instrument was a questionnaire where the results of the data were to test the eligibility of the LKS through validation by media experts, material experts, linguists, users (students). The results of the feasibility test by media experts got 81.62% in the appropriate category, the results of the feasibility test by material experts got 86.36% in the Very feasible category, the results of the feasibility test by linguists got 80% in the feasible category, and the results of the user response test consisting of 12 students obtained 86.83% in the very good category. The results showed that the Problem-Based Learning-based LKS was appropriate for use in class X students of the Department of Design, Modeling and Building Information at SMK Negeri 3 Takengon.

Keywords: Research and Development, Media Development, Student Worksheets, Problem Based Learning, Technical Drawings.

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