ABSTRAK

Irhan, NIM: 5152111010, "Pengembangan Modul Dasar-Dasar Konstruksi Bangunan dan Teknik Pengukuran Tanah Pada Siswa Kelas X BKP SMK Negeri 1 Percut Sei Tuan". Skripsi. Jurusan Pendidikan Teknik Bangunan. Program Studi Pendidikan Teknik Bangunan. Fakultas Teknik-Universitas Negeri Medan. 2022.

Penelitian ini bertujuan untuk: (1) Mengembangkan modul dasar-dasar konstruksi bangunan dan teknik pengukuran tanah. (2) Mengetahui tingkat kelayakan modul dasar-dasar konstruksi bangunan dan teknik pengukuran tanah. Penelitian ini dilakukan pada siswa kelas X BKP SMK Negeri 1 Percut Sei Tuan. Metode yang digunakan adalah Penelitian dan Pengembangan (Research and Development) dengan model pengembangan ADDIE. Model ADDIE memiliki lima tahapan yaitu, Analisis (*Analyze*), Desain (*Design*), Pengembangan (*Development)*, Implementasi (Implementation), Evaluasi (*Evaluation*). Instrumen yang digunakan untuk menguji kelayakan modul yaitu berupa angket untuk ahli materi, ahli bahasa, ahli media dan penilaian pengguna (siswa). Data dianalisis dengan teknik statistik deskriptif. Berdasarkan hasil penelitian, dari ahli materi diperoleh Rata-rata nilai sebesar 92,4 % masuk dalam kategori "sangat baik", penilaian ahli bahasa diperoleh Rata-rata nilai sebesar 90 % masuk dalam kategori "sangat baik", penilaian ahli media diperoleh Rata-rata nilai sebesar 96,7 % masuk dalam kategori "sangat baik", dan berdasarkan hasil uji coba terhadap siswa diperoleh Rata-rata nilai sebesar 92,8 % masuk dalam kategori "sangat baik". Dari hasil validasi dan penilaian siswa disimpulkan bahwa modul Dasar-Dasar Konstruksi Bangunan dan Teknik Pengukuran Tanah yang telah dikembangkan ini sangat baik digunakan Pada Siswa Kelas X BKP SMK Negeri 1 Percut Sei Tuan.

Kata Kunci: Pengembangan modul, Modul K3LH, Dasar-Dasar Konstruksi Bangunan dan Teknik Pengukuran Tanah

ABSTRACT

Irhan, NIM: 5152111010, "Module Development Fundamentals of Building Construction Modules and Land Measurement Techniques for Class X BKP Students at SMK Negeri 1 Percut Sei Tuan". Thesis. Department of Building Engineering Education. Building Engineering Education Study Program. Faculty of Engineering-Medan State University. 2022.

This study aims to: (1) Develop modules on the basics of building construction and land surveying techniques. (2) Knowing the feasibility level of the basic building construction module and land surveying techniques. This research was conducted on class X BKP SMK Negeri 1 Percut Sei Tuan. The method used is Research and Development with the ADDIE development model. The ADDIE model has five stages, namely, Analysis, Design, Development, Implementation, Evaluation. The instrument used to test the feasibility of the module is in the form of a questionnaires for material experts, linguists, media experts and user assessments (student). Data were analyzed by descriptive statistical techniques. Based on the results of the research, from material experts obtained an average score of 92.4% is included in the "very good" category, the linguist's assessment was obtained an average score of 90% was included in the "very good" category, media expert's assessment was obtained an average score of 96.7% fall into the category, and based on the res “very good” and based on the results of testing on students obtained an average score of 92.8% fall into the category "very good". From the results of the validation and student assessment, it was concluded that the module Fundamentals of Building Construction and Land Measurement Techniques that had been developed was very well used for Class X BKP students at SMK Negeri 1 Percut Sei Tuan.

Keywords: Module development, K3LH Module, Construction Fundamentals Building and Land Measurement Techniques