

## ABSTRAK

Mey Sartika Sianturi. NIM 5163111028 : *Pengembangan Modul Pembelajaran Alat Berat Pada Mata Pelajaran Dasar-Dasar Konstruksi Bangunan Dan Teknik Pengukuran Tanah Kelas X DPIB Di Smk Negeri 1 Percut Sei Tuan*. Skripsi. Fakultas Teknik – Universitas Negeri Medan. 2020.

Penelitian ini bertujuan untuk: (1) mengembangkan media pembelajaran modul Alat Berat pada mata pelajaran Dasar-Dasar Konstruksi Bangunan Dan Teknik Pengukuran Tanah kelas X DPIB di SMK Negeri 1 Percut Sei Tuan, (2) mengetahui tingkat validitas media pembelajaran yang dikembangkan sebagai media pembelajaran bagi siswa. Penelitian ini menggunakan metode penelitian pengembangan model ADDIE, meliputi tahapan *analyze* (analisa), *design* (perancangan), *development* (pengembangan), *implementation* (implementasi), *evaluation* (evaluasi). Instrumen yang digunakan berupa angket. Angket digunakan untuk menguji kelayakan modul melalui validasi ahli media dan ahli materi. Penilaian modul juga dilakukan oleh pengguna (siswa). Berdasarkan hasil penelitian diketahui bahwa modul pembelajaran alat berat mengacu pada kurikulum 2013 revisi yang terdiri dari 5 bab materi pelajaran. Hasil pengujian kelayakan oleh ahli media mendapat skor 80% dengan kategori baik dan hasil pengujian kelayakan oleh ahli materi mendapat skor 87% dengan kategori sangat baik. Berdasarkan angket pengguna yang diisi oleh 15 siswa, memperoleh tingkat kelayakan 95,25% dengan kategori sangat baik. Hasil penelitian menunjukkan bahwa modul pembelajaran alat berat layak digunakan siswa kelas X DPIB di SMK Negeri 1 Percut Sei Tuan.

**Kata Kunci** : Pengembangan Media, Modul Pembelajaran, Alat Berat



## ABSTRACT

Mey Sartika Sianturi. NIM 5163111028 : *Development of Learning Module Heavy Equipment in the Subjects of Basic Construction and Surveying Class X DPIB at SMK Negeri 1 Percut Sei Tuan*. Skripsi. Faculty of Engineering – State University of Medan. 2020.

This study aims to: (1) developing learning media for the Heavy Equipment module in the subjects of the Basics of Building Construction and Land Measurement Techniques for class X DPIB at SMK Negeri 1 Percut Sei Tuan, (2) see the level of validity of the learning media developed as learning media for student. This research uses the ADDIE model development research method, including the stages of analysis, design, development, implementation, evaluation. The instrument used was a questionnaire. The questionnaire is used to test the feasibility of the module through the validation of media experts and material experts. The assessment of the module is also carried out by users (students). Based on the research results, it is known that the heavy equipment learning module refers to the revised 2013 curriculum which consists of 5 chapters of subject matter. The results of the feasibility test by media expert scored 80% with a good category and the examiner, the results of the feasibility testing by material expert scored 87% with a very good category. Based on the user questionnaire that was filled by 15 students, obtained a level of eligibility of 95.25% with a very good category. The results showed that the heavy equipment learning module was worthy for use in the grade X DPIB students at SMK Negeri 1 Percut Sei Tuan.

**Keywords** : Media Development, Learning Modules, Heavy Equipment