

ABSTRAK

Lambas Manatap Parulian Pasaribu: *Pengembangan Media Pembelajaran Jobsheet Pada Mata Pelajaran Survey Terestris Siswa Kelas XI Program Keahlian Teknik Geomatika SMK Negeri 1 Percut Sei Tuan. Skripsi. Fakultas Teknik. Universitas Negeri Medan. 2024.*

Penelitian ini bertujuan untuk: (1) mengembangkan bahan ajar *jobsheet* dengan materi mengukur beda tinggi dengan menggunakan alat ukur *waterpass* dan (2) mengetahui kelayakan dan bahan ajar *jobsheet* dengan materi bagus mengukur beda tinggi menggunakan alat ukur *waterpass*.

Pengembangan media pembelajaran *jobsheet* ini dikembangkan dengan model ADDIE yang meliputi tahapan *Analysis, Design, Development, Implementation, dan Evaluations*. Penelitian ini dilakukan hanya sampai pada tahap *Development* (Pengembangan). Tahap *Development* (Pengembangan) meliputi validasi kelayakan media pembelajaran dari dua ahli materi, dan satu ahli media. Penelitian dilakukan di SMK Negeri 1 Percut Sei Tuan. Teknik pengumpulan data yang digunakan adalah angket untuk mengetahui kelayakan bahan ajar dan melakukan observasi untuk mengetahui gambaran kondisi sebenarnya di lapangan untuk memperoleh data yang valid. Teknik pengumpulan data pada penelitian ini adalah dengan observasi dan penyebaran angket kepada ahli materi, dan ahli media.

Hasil penelitian ini menunjukkan bahwa media pembelajaran *jobsheet* ini sangat layak digunakan pada mata pelajaran survey terestris di Kelas XI Program Keahlian Teknik Geomatika di SMK Negeri 1 Percut Sei Tuan. Kelayakan media pembelajaran ini diperoleh dari pengujian validasi ahli materi dan ahli media. Hasil uji kelayakan media pembelajaran dengan penilaian dari Ahli Materi diperoleh sebesar 88%, dinyatakan “Sangat Layak” dan penilaian Ahli Media diperoleh skala penilaian sebesar 85% dinyatakan “Sangat Layak.”

Kata Kunci: Pengembangan media, *jobsheet*, model ADDIE, Survey Terestris, Teknik Geomatika.

ABSTRACT

Lambas Manatap Parulian Pasaribu: *Development of Jobsheet Learning Media in the Terrestrial Survey Subject for Grade XI Students of the Geomatics Engineering Expertise Program of SMK Negeri 1 Percut Sei Tuan*. Thesis. Faculty of Engineering. Medan State University. 2024.

This research aims to: (1) develop jobsheet teaching materials with materials to measure height differences using waterpass measuring tools and (2) to determine the feasibility and teaching materials of jobsheets with good materials to measure height differences using waterpass measuring tools.

The development of this jobsheet learning media was developed with the ADDIE model which includes the stages of Analysis, Design, Development, Implementation, and Evaluations. This research is carried out only up to the Development stage. The Development stage includes validation of the feasibility of learning media from two material experts, and one media expert. The research was conducted at SMK Negeri 1 Percut Sei Tuan. The data collection technique used is a questionnaire to determine the feasibility of teaching materials and make observations to find out the picture of the actual conditions in the field to obtain valid data. The data collection technique in this study is by observation and dissemination of questionnaires to material experts, and media experts.

The results of this study show that this jobsheet learning media is very suitable for use in the most extreme survey subjects in Class XI of the Geomatics Engineering Expertise Program at SMK Negeri 1 Percut Sei Tuan. The feasibility of this learning media was obtained from validation testing of material experts and media experts. The results of the feasibility test of learning media with an assessment from Material Experts were obtained by 88%, declared "Very Feasible" and the assessment of Media Experts obtained an assessment scale of 85% declared "Very Feasible."

Keywords: *Jobsheet Development, ADDIE Model, Terrestrial Survey, Geomatics Engineering.*



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