

ABSTRAK

Sutiono: *Pengembangan Media Pembelajaran Berbasis Video Tutorial Pada Mata Pelajaran Pekerjaan Dasar Teknik Mesin Kelas X Di SMK Negeri 5 Medan*. Skripsi. Fakultas Teknik. Universitas Negeri Medan. 2023

Penelitian ini bertujuan untuk: (1) Menghasilkan media pembelajaran video tutorial sebagai media pembelajaran Pekerjaan Dasar Teknik Mesin, (2) Mengetahui kelayakan produk yang dihasilkan berupa media pembelajaran video tutorial untuk mata pelajaran Pekerjaan Dasar Teknik Mesin, (3) Untuk mempermudah proses belajar siswa dengan menggunakan media pembelajaran berbasis video tutorial.

Jenis penelitian yang digunakan adalah penelitian *Research and Development*. Dengan metode yang dipilih adalah metode ADDIE, lima tahapan dalam proses pengembangannya yaitu *Analysis, Design, Development, Implementation, Evaluation*.

Hasil penelitian diperoleh: (1) Telah dihasilkan media pembelajaran berbasis video tutorial penggunaan alat ukur mekanik dengan format mp4 dan dapat dibuka melalui internet sehingga dapat di akses dengan mudah. Media pembelajaran berbasis video tutorial dilengkapi dengan cara penggunaan, kalibrasi alat ukur, dan cara pembacaan alat ukur yang membuat menggunakan alat ukur mudah dipahami, (2) Kelayakan terhadap media pembelajaran video tutorial yang dikembangkan, diperoleh dari validasi ahli media, ahli materi, dan respon siswa setelah uji coba media pembelajaran video tutorial. Media pembelajaran video tutorial yang dikembangkan memperoleh hasil validasi ahli media dengan nilai rata rata 4.61 dengan persentase 92,30%, sedangkan nilai kelayakan oleh ahli materi memperoleh nilai rata rata 4.71 dengan persentase 94,34%, dan uji coba dari respon siswa memperoleh nilai rata rata 4.56 dengan persentase 91,3%. Dengan mengacu pada analisis tingkat kelayakan maka pengembangan media pembelajaran berbasis video tutorial di SMK Negeri 5 Medan, sudah sangat layak digunakan sebagai bahan ajar pada mata pelajaran pekerjaan dasar teknik mesin kelas X di SMK Negeri 5 Medan.

Kata kunci: *Pekerjaan Dasar Teknik Mesin, Video Tutorial, Bahan Ajar, Media Pembelajaran*

ABSTRACT

Sutiono: *Development of Video Tutorial-Based Learning Media in Class X Mechanical Engineering Basic Work Subjects at SMK Negeri 5 Medan. Essay. Faculty of Engineering, Medan State University. 2023*

This study aims to: (1) Produce video tutorial learning media as a learning medium for Mechanical Engineering Basic Work, (2) Determine the feasibility of the resulting product in the form of video tutorial learning media for Mechanical Engineering Basic Work subjects, (3) To facilitate the student learning process by using video tutorial-based learning media.

The type of research used is Research and Development research. With the chosen method is the ADDIE method, five stages in the development process are Analysis, Design, Development, Implementation, Evaluation.

The results of the study were obtained: (1) Video tutorial-based learning media using mechanical measuring devices in mp4 format have been produced and can be accessed via the internet so that they can be accessed easily. Video tutorial-based learning media is equipped with how to use, calibrate measuring instruments, and how to read measuring instruments that make using measuring tools easy to understand, (2) The feasibility of video tutorial learning media developed, obtained from the validation of media experts, material experts, and responses students after trying out video tutorial learning media. The video tutorial learning media developed obtained validation results from media experts with an average score of 4.61 with a percentage of 92.30%, while the feasibility value by material experts obtained an average score of 4.71 with a percentage of 94.34%, and trials from student responses obtained an average score average 4.56 with a percentage of 91.3%. With reference to the feasibility level analysis, the development of video tutorial-based learning media at SMK Negeri 5 Medan, is very suitable to be used as teaching material in the basic work subject of mechanical engineering class X at SMK Negeri 5 Medan.

Keywords: *Mechanical Engineering Basic Work, Video Tutorials, Teaching Materials, Learning Media*