

## ABSTRAK

Joni Hendra Siregar (5172121004), Pengembangan Video Tutorial Proses Pembuatan Ulir M 12 x 1,75 Di Workshshop Teknik Mesin Universitas Negeri Medan. Skripsi. Fakultas Teknik Universitas Negeri Medan 2022.

Pengembangan video tutorial proses pembuatan ulir di Workshop Teknik Mesin Universitas Negeri Medan didasari dengan kebutuhan media pembelajaran video tutorial untuk memudahkan dosen dalam kegiatan pembejaran praktik. Tujuan penelitian ini adalah (1) membuat video tutorial sebagai media pembelajaran di Program Studi Pendidikan Teknik Mesin Universitas Negeri Medan dalam pembuatan ulir pada mesin bubut dan (2) menguji kelayakan dan keefektifan produk yang dihasilkan berupa media pembelajaran video tutorial pada standar kompetensi proses penguliran menggunakan mesin bubut. Tahapan pengembangan yang dilakukan dalam penelitian ini menggunakan model ADDIE yaitu *Analyze, Design, Development, Implementation, Evaluation*. Hasil penilaian kelayakan media pembelajaran video tutorial proses pembuatan ulir adalah (1) persentase skor penilaian dari ahli materi sebesar 76,56%, (2) persentase skor penilaian dari ahli media sebesar 66,66%, (3) persentase skor tanggapan dari mahasiswa sebesar 80,16%. Berdasarkan hasil penilaian dan tanggapan yang diperoleh tersebut dapat disimpulkan bahwa pengembangan video tutorial proses pembuatan ulir layak untuk digunakan sebagai media pembelajaran.

Kata kunci: media pembelajaran, video tutorial, proses pembuatan ulir



## ABSTRACT

Joni Hendra Siregar (5172121004) Development of a video tutorial for the process making M 12 x 1,75 thread at the mechanical engineering workshop at medan state university. Thesis, Faculty Of Engineering Medan State University 2022.

The development of a video tutorial for the thread making process in the mechanical engineering workshop at Medan State University was based on the need for video tutorial learning media to facilitate lecturers in practical learning activities. The aims of this study were (1) to make video tutorials as learning media in the Mechanical Engineering Education Study Program, Medan State University in making screw threads on a lathe and (2) to test the feasibility and effectiveness of the product produced in the form of video tutorial learning media on competency standards for threading processes using a lathe. The stages of development carried out in this study used the ADDIE model, namely Analyze, Design, Development, Implementation, Evaluation. The results of the feasibility assessment of the tutorial video learning media for the screw-making process are (1) the percentage of the score from material experts is 76.56%, (2) the percentage score from media experts is 66.66%, (3) the percentage score from students is 80.16%. Based on the results of the assessment and the responses obtained, it can be concluded that the development of video tutorials for the thread making process is feasible to be used as a learning medium.

Keyword: instructional media, video tutorials, thread manufacturing process

