

ABSTRAK

KRISSANTO TP GULTOM, NIM 5153121012 : *Pengembangan Media Pembelajaran Berbasis Web Mata Pelajaran Pekerjaan Dasar Teknik Mesin*. Skripsi. Fakultas Teknik. Universitas Negeri Medan. 2021.

Pembelajaran berbasis *web* dapat mengandung berbagai macam media ini meliputi teks, gambar, audio, video, animasi bahkan simulasi. Belajar jarak jauh sudah berlangsung di SMK Negeri 1 Percut Sei Tuan tapi siswa masih kewalahan dalam mencari materi di internet, kurang memanfaatkan web untuk belajar/mengajar, kurangnya sarana penyampaian pembelajaran online dan kurang menarik dalam aktivitas belajar daring. Peneliti pada pengembangan ini menggunakan model ADDIE yang terdiri dari *Analysis, Design, Development, Implementation, Evaluation*. Adapun penentuan Dosen dan Guru validasi di tunjuk oleh Dosen Pembimbing Skripsi dan disahkan oleh Ketua Jurusan Pendidikan Teknik Mesin.

Adapun tujuan dari penelitian ini untuk mengetahui layak atau tidaknya suatu produk media pembelajaran untuk siswa di SMK Negeri 1 Percut Sei Tuan dalam pengembangan media pembelajaran berbasis website. Manfaat penelitian ini untuk memanfaatkan website dalam pembelajaran online maupun offline. Teknik pengumpulan data dilakukan dengan hasil validasi ahli materi, ahli desain pembelajaran, ahli media dan uji skala kecil 11 siswa dan skala besar 27 siswa dengan menggunakan angket.

Adapun penentuan Dosen dan Guru validasi di tunjuk oleh Dosen Pembimbing Skripsi dan disahkan oleh Ketua Jurusan Pendidikan Teknik Mesin dan sebagai uji coba nya di lakukan pada siswa kelas x Teknik Permesianan. Lokasi penelitian di SMK Negeri 1 Percut Sei Tuan Jl. Kolam No.mor 3, Kenangan Baru, Kec. Percut Sei Tuan, Kabupaten Deli Serdang, Sumatera Utara.
Hasil Penelitian .

Hasil penelitian dengan menggunakan validasi ahli materi dengan rata-rata 4.71, ahli desain pembelajaran dengan rata-rata 3.90, ahli media dengan rata-rata 4.69 dan hasil uji coba skala kecil dengan rata-rata 4.69 , skala besar dengan rata-rata 4.4 sangat layak digunakan sebagai media pembelajaran di kelas X Teknik Permesianan SMK Negeri 1 Percut Sei Tuan.

Kata Kunci : pengembangan media, website, validasi

ABSTRACT

KRISSANTO TP GULTOM, NIM 5153121012 : Skripsi. *Development of Web-Based Learning Media Mechanical Engineering Basic Work Subjects*. Fakultas Teknik. Universitas Negeri Medan. 2021.

Web-based learning media can contain a variety of media including text, images, audio, video, animation and even simulations. Distance learning has taken place at SMK Negeri 1 Percut Sei Tuan but students are still overwhelmed in finding material on the internet, not using the web for learning/teaching, lack of means of delivering online learning and less attractive in online learning activities. Researchers in this development use the ADDIE model which consists of Analysis, Design, Development, Implementation, Evaluation. The determination of the lecturers and validation teachers is appointed by the Thesis Advisory Lecturer and ratified by the Head of the Mechanical Engineering Education Department purpose of this study is to determine whether or not a learning media product is appropriate for students at SMK Negeri 1 Percut Sei Tuan in developing website-based learning media.

The benefit of this research is to use the website in online and offline learning. The data collection technique was carried out with the results of the validation of material experts, learning design experts, media experts and small-scale tests of 11 students and large-scale tests of 27 students using a questionnaire.

The determination of the Lecturer and Teacher validation is appointed by the Thesis Advisory Lecturer and ratified by the Head of the Mechanical Engineering Education Department and as a trial it is carried out on students of class X Mechanical Engineering. The research location is at SMK Negeri 1 Percut Sei Tuan Jl. Pool No.mor 3, New Memories, Kec. Percut Sei Tuan, Deli Serdang Regency, North Sumatra.

Research result . The results of the study using material expert validation with an average of 4.71, learning design experts with an average of 3.90, media experts with an average of 4.69 and the results of small-scale trials with an average of 4.69, large scale with an average of 4.4 very feasible used as a learning medium in class X Mechanical Engineering at SMK Negeri 1 Percut Sei Tuan.

Keywords: media development, website, validation