ABSTRAK

Markus Yosia Purba : Pengembangan Media Pembelajaran Interaktif Berbasis Media Audio Visual Pada Mata Pelajaran Pengelasan SMAW Kelas XI Teknik Pengelasan Di SMKN 2 Medan.
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Penelitian pengembangan media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI di SMKN 2 Medan bertujuan untuk: (1) mengetahui validitas media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI di SMKN 2 Medan. (2) mengetahui kepraktisan media pembelajaran berbasis interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI di SMKN 2 Medan. (3) mengetahui keefektifan media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI di SMKN 2 Medan. Metode penelitian ini adalah penelitian dan pengembangan *(Research And Development)*. Model pengembangan menggunakan model 4D *(Define, Design, Development, Dissemination)*. Penelitian ini dilakukan di SMKN 2 Medan. Subjek penelitian adalah ahli media, ahli materi, ahli desain pembelajaran, dan peseta didik jurusan Teknik Pengelasan yang berjumlah 28 orang. Teknik pengumpulan data dilakukan dengan instrumen berupa lembar validasi ahli media, lembar validasi ahli materi, lembar validasi ahli desain pembelajaran, angket kepraktisan media, soal *pretest* dan soal *posttest*. Teknik analisis data menggunakan analisis deskriptif kuantitatif dan kualitatif. Hasil penelitian ini menunjukkan bahwa: (1) media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI dinyatakan layak digunakan berdasarkan hasil penilaian ahli media dengan nilai "1" dengan kategori "Sangat Valid", penilaian ahli materi dengan nilai "0,81" dengan kategori "Sangat Valid", dan penilaian ahli desain pembelajaran dengan nilai "1" dengan kategori "Sangat Valid". Skor rata – rata penilaian ahli media, materi, dan desain pembelajaran adalah sebesar "0,93" dengan kategori "Sangat Valid". (2) media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI dinyatakan "Praktis" untuk digunakan berdasarkan hasil uji kepraktisan mendapatkan nilai "3,88" dengan kategori "Sangat Positif". (3) penggunaan media pembelajaran interaktif berbasis media audio visual pada mata pelajaran pengelasan SMAW kelas XI dinyatakan "Efektif". Hal ini didasarkan pada hasil perolehan nilai uji-T dimana Ha diterima sehingga terdapat perbedaan hasil belajar siswa yang menggunakan pengembangan media pembelajaran dengan siswa yang tidak menggunakan pengembangan media pembelajaran.

Kata Kunci : Pengembangan Media, Model 4D, Media Pembelajaran, Pengelasan SMAW, Audio Visual.

ABSTRACT

Markus Yosia Purba: ***Development of Interactive Learning Media Based on Audio Visual Media in Welding Subjects SMAW Class XI Welding Engineering at SMKN 2 Medan.***
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The research on the development of interactive learning media based on audio-visual media in the SMAW welding subject for class XI at SMKN 2 Medan aims to: (1) determine the validity of interactive learning media based on audio-visual media in the SMAW welding subject for class XI at SMKN 2 Medan. (2) determine the practicality of interactive learning media based on audio-visual media in the SMAW welding subject for class XI at SMKN 2 Medan. (3) determine the effectiveness of interactive learning media based on audio-visual media in the SMAW welding subject for class XI at SMKN 2 Medan. The research method is research and development (Research And Development). The development model uses the 4D model (Define, Design, Development, Dissemination). This research was conducted at SMKN 2 Medan. The research subjects were media experts, material experts, learning design experts, and students majoring in Welding Engineering totaling 28 people. Data collection techniques were carried out using instruments in the form of media expert validation sheets, material expert validation sheets, learning design expert validation sheets, media practicality questionnaires, pretest questions and posttest questions. Data analysis techniques used quantitative and qualitative descriptive analysis. The results of this study indicate that: (1) interactive learning media based on audio-visual media in SMAW welding subjects for class XI are declared suitable for use based on the results of media expert assessments with a value of "1" with the category "Very Valid", material expert assessments with a value of "0.81" with the category "Very Valid", and learning design expert assessments with a value of "1" with the category "Very Valid". The average score of media, material, and learning design expert assessments is "0.93" with the category "Very Valid". (2) interactive learning media based on audio-visual media in SMAW welding subjects for class XI are declared "Practical" for use based on the results of the practicality test getting a value of "3.88" with the category "Very Positive". (3) the use of interactive learning media based on audio-visual media in SMAW welding subjects for class XI is declared "Effective". This is based on the results of the T-test value where Ha is accepted so that there is a difference in learning outcomes for students who use learning media development with students who do not use learning media development.

Keywords: *Media Development, 4D Model, Learning Media, SMAW Welding, Audio Visual.*