

ABSTRACT

Yola Indah, 2023, Designing a Class X Website-Based Online Exam Information System at SMK Negeri 1 West Sumatra, Odd Academic Year 2022/2023

This web design is intended to make it easier for teachers to give exams and the process of giving exam scores in an effective and efficient way because the assessment process is given directly when students finish taking exams and reduces the occurrence of cheating factors and cheating on fellow students. This study uses research and development (R&D) methods. This research method uses the 4-D method. The development stage consists of the defining stage, the design stage, the development stage, and the deployment stage. The research subjects were 30 students of class X, consisting of 30 students majoring in Welding Engineering. The results showed that: The results of the validity test by the experts as a whole the validator test assessment of the web-based online exam website in class X students of SMK Negeri 1 West Sumatra was 90.33%, so the validity level can be interpreted as very valid to use. The results of the practicality test assessment as a whole practicality assessment of the Web-Based Online Examination Website in class X students of SMK Negeri 1 West Sumatra 90.03%, so that the level of practicality can be interpreted as very practical to use. The results of the overall effectiveness test assessment of the effectiveness of the Web-Based Online Examination Website in class X students of SMK Negeri 1 West Sumatra 89.39%, so that the level of effectiveness can be interpreted to be very effective in use. The results of this study are to produce applications that are useful for obtaining information related to the implementation of exams for students and saving time in correcting exam results for teachers.

Keywords: Online exam, website, responsive web, four-D, and R&D.

ABSTRAK

Yola Indah, 2023, Perancangan Sistem Informasi Ujian Online Berbasis Website Kelas X di SMK Negeri 1 Sumbar Ganjil Tahun Ajaran 2022/2023

Perancangan web ini guna untuk mempermudah guru dalam memberikan ujian dan proses pemberian nilai ujian yang efektif dan efisien karna proses penilaian diberikan langsung saat siswa selesai mengerjakan ujian dan mengurangi terjadinya faktor kecurangan dan contek mencontek sesama siswa. Penelitian ini menggunakan metode penelitian dan pengembangan (R&D). Model pengembangan ini menggunakan metode 4-D. Tahapan pengembangan terdiri dari tahap pendefinisian, tahap perancangan, tahap pengembangan, dan tahap penyebaran. Subjek penelitian berjumlah 30 orang siswa kelas X, terdiri dari 30 orang siswa jurusan Teknik Pengelasan. Hasil penelitian menunjukkan bahwa: Hasil uji validitas oleh para ahli secara keseluruhan penilaian uji validator terhadap website ujian online berbasis web pada siswa kelas X SMK Negeri 1 Sumbar sebesar 90,33%, sehingga tingkat validitas dapat di interprestasikan sangat valid digunakan. Hasil penilaian uji praktikalitas secara keseluruhan penilaian praktikalitas terhadap Website Ujian Online Berbasis Web Pada siswa kelas X SMK Negeri 1 Sumbar 90,03%, sehingga tingkat praktikalitasnya dapat di interprestasikan sangat praktis digunakan. Hasil penilaian uji efektivitas secara keseluruhan penilaian efektivitas terhadap Website Ujian Online Berbasis Web Pada siswa kelas X SMK Negeri 1 Sumbar 89,39%, sehingga tingkat efektivitasnya dapat di interprestasikan sangat efektif digunakan. Hasil dari penelitian ini adalah menghasilkan aplikasi yang bermanfaat untuk mendapatkan informasi yang berkaitan dengan pelaksanaan ujian bagi siswa dan menghemat waktu dalam mengoreksi hasil ujian bagi guru.

Kata kunci: Ujian online, website, web responsive, four-D, dan R&D.