

ABSTRACT

Pundi Hartati Wijaya, 2024, Design and Creation of Web-Based Learning Media for Class X Informatics Subjects at SMK N 7 Padang for the 2023/2024 Academic Year, Bachelor of Informatics Education, Teaching Faculty of Science and Education, Putra Indonesia University "YPTK" Padang.

This research aims to produce and determine the level of validity, practicality and effectiveness of web-based learning media for Class X at SMK N 7 Padang. This research uses the R&D (research & development) research development method. The research subjects were 70 people. The development model used is the ADDIE model, with the design of the development steps being as follows. (1) Analyze, (2) design, (3) development, (4) Implementation and (5) Evaluate. The results of the validity test by the experts as a whole the validator test assessment of Web-Based Learning Media class X informatics engineering at SMK N 7 Padang Vocational School was 88.57%, with a very valid interpretation used. The results of the practicality test assessment as a whole the practicality assessment of Web- Based Learning Media class X informatics engineering at SMK N 7 Padang Vocational School was 86,05%, with a very practical interpretation to use. The results of the evaluation test for the overall effectiveness Web-Based Learning Media class X informatics engineering at SMK N 7 Padang Vocational School were 86,34%, with the interpretation that it is very effective to use. In conclusion, that Web-based Learning Media as learning media has been tested for feasibility, excellence, and can be used in the learning process in Class X Informatics Engineering subjects at SMK N 7 Padang in the 2023/2024 academic year.

Keywords: Learning Media, *Web*, Informatics

ABSTRAK

Pundi Hartati Wijaya, 2024, Perancangan dan Pembuatan Media Pembelajaran Berbasis *web* Untuk Mata Pelajaran Informatika Kelas X Di SMK N 7 Padang Tahun Ajaran 2023/2024, Sarjana Pendidikan Teknik Informatika Fakultas Keguruan Ilmu Dan Pendidikan Universitas Putra Indonesia “YPTK” Padang.

Penelitian ini bertujuan untuk menghasilkan dan mengetahui tingkat validitas, praktikalitas dan efektivitas Media Pembelajaran Berbasis *web* Kelas X Di SMK N 7 Padang. Penelitian ini menggunakan metode pengembangan penelitian R&D (*research & development*). Subjek penelitian berjumlah 70 orang. Model pengembangan yang digunakan model ADDIE, dengan desain langkah-langkah pengembangannya adalah sebagai berikut. (1)*Analyze*, (2)*design*, (3)*development*, (4)*Implementation* dan (5)*Evaluate*. Hasil uji validitas oleh para ahli secara keseluruhan penilaian uji validator terhadap Media Pembelajaran Pembelajaran Berbasis *web* Kelas X Di SMK N 7 Padang Tahun Ajaran 2023/2024 sebesar 88,57% dengan interpretasi sangat valid digunakan. Hasil penilaian uji praktikalitas secara keseluruhan penilaian praktikalitas terhadap Media Pembelajaran Berbasis *web* Kelas X Di SMK N 7 Padang Tahun Ajaran 2023/2024 sebesar 86,05%, dengan interpretasi sangat praktis digunakan. Hasil penilaian uji Efektifitas secara keseluruhan penilaian Efektifitas Media Pembelajaran Berbasis *web* Kelas X Di SMK N 7 Padang Tahun Ajaran 2023/2024 sebesar 86,34%, dengan interpretasi sangat efektif digunakan. Kesimpulannya, bahwasanya Media Pembelajaran Berbasis *web* sebagai media pembelajaran sudah teruji kelayakan, keunggulan, dan dapat digunakan pada proses pembelajaran pada mata pelajaran Teknik Informatika Kelas X Di SMK N 7 Padang Tahun Ajaran 2023/2024.

Kata Kunci: Media Pembelajaran, *Web*, Informatika