

ABSTRACT

Muhammad Dimas Trisandi, 5173151025: Website-Based Learning Outcomes Assessment for Web and Mobile Programming at SMK Tritech Informatika Medan. Thesis. Faculty of Engineering Medan State University. 2024

This research aims to find out feasibility and practicality of a website as a tool for assessing the learning outcomes of class XI students in web and mobile programming subjects at SMK Tritech Informatika Medan. This research type is development research (R&D) with the Rapid Application Development (RAD) development model which has stages: Needs developing, modelling, building, and testing. The feasibility test involved 2 media experts, 2 material experts and 1 design expert. The practicality test involved 1 web and mobile device programming subject teacher and 20 class XI students at SMK Tritech Informatika Medan.

Based on the research results, the media feasibility level was 90.8% "very feasible", the material feasibility level was 85% "very feasible", and the design feasibility level was 85.4% "very feasible". The level of practicality by teachers was 95.5% "very practical" and the level of practicality by students was 84.3% "very practical". From these results, website-based learning outcomes assessment is very feasible and practical for use in web and mobile programming subjects at SMK Tritech Informatika Medan.

Keywords: Assessment, Learning Results, Website.

ABSTRAK

Muhammad Dimas Trisandi, 5173151025 : Penilaian Hasil Belajar Pemrograman Web Dan Perangkat Bergerak Berbasis Website Di SMK Trittech Informatika Medan. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2024

Penelitian ini bertujuan untuk mengetahui kelayakan dan kepraktisan *website* sebagai alat untuk menilai hasil belajar siswa kelas XI pada mata pelajaran pemrograman web dan perangkat bergerak di SMK Trittech Informatika Medan. Penelitian ini merupakan jenis penelitian pengembangan (R&D) dengan model pengembangan *Rapid Application Development* (RAD) yang memiliki tahap: perancangan kebutuhan, pemodelan, pembuatan, dan pengujian. Uji kelayakan melibatkan 2 ahli media, 2 ahli materi dan 1 ahli desain. Uji kepraktisan melibatkan 1 guru mata pelajaran pemrograman web dan perangkat bergerak dan 20 siswa kelas XI di SMK Trittech Informatika Medan.

Berdasarkan hasil penelitian, tingkat kelayakan media sebesar 90,8% “sangat layak”, tingkat kelayakan materi sebesar 85% “sangat layak”, dan tingkat kelayakan desain sebesar 85,4% “sangat layak”. Tingkat kepraktisan oleh guru sebesar 95,5% “sangat praktis” dan tingkat kepraktisan oleh siswa sebesar 84,3% “sangat praktis”. Penilaian hasil belajar berbasis *website* sangat layak dan praktis untuk digunakan di mata pelajaran pemrograman web dan perangkat bergerak di SMK Trittech Informatika Medan.

Kata kunci: *Penilaian, Hasil Belajar, Website.*