



Peningkatan Keterampilan Dasar Pengembangan Web Siswa melalui Pelatihan Skrip HTML Terbimbing di Sekolah Menengah Kejuruan

Enhancing Students' Basic Web Development Skills through Guided HTML Script Training at a Vocational High School

Achmad Al Kahfi Nur Imansyah¹,
Immanuel Catur Wicaksana²,
Reza Adi Pratama³,
Muhammad Raihan Akbar⁴,
Rufman Iman Akbar⁵*

^{1,2,3,4,5} Program Studi Sistem Informasi, Universitas Pembangunan Jaya

Corresponding Author:
Rufman Iman Akbar
Email : rufman.iman@upj.ac.id

Abstrak

Kegiatan pengabdian masyarakat ini bertujuan untuk meningkatkan pemahaman dan keterampilan dasar siswa dalam pembuatan skrip HTML melalui pelatihan praktis menggunakan perangkat minimalis, yaitu Notepad dan Google Chrome. Pelatihan dilaksanakan pada siswa kelas XII SMK Fadilah di Kelurahan Parigi, Kecamatan Pondok Aren, Tangerang Selatan. Metode pelaksanaan menggunakan pendekatan hand-out training dengan satu instruktur utama dan empat asisten instruktur yang memberikan pendampingan langsung selama praktik. Untuk mengevaluasi efektivitas pelatihan, dilakukan pre-test dan post-test terhadap 30 peserta. Analisis data dilakukan menggunakan uji Shapiro-Wilk untuk normalitas dan Wilcoxon Signed Rank Test sebagai uji beda nonparametrik.

Hasil kegiatan menunjukkan adanya peningkatan signifikan kemampuan siswa dalam memahami struktur dan fungsi dasar HTML. Rata-rata skor meningkat dari 1,9 pada pre-test menjadi 4,3 pada post-test. Uji Wilcoxon menghasilkan nilai p sebesar 1.86×10^{-9} , yang menunjukkan perbedaan signifikan antara sebelum dan sesudah pelatihan. Selain peningkatan nilai, observasi selama pelatihan juga memperlihatkan meningkatnya minat dan motivasi siswa dalam mempelajari HTML, serta kemampuan siswa untuk menuliskan dan menjalankan skrip HTML sederhana secara mandiri. Dengan demikian, pelatihan ini terbukti efektif dalam meningkatkan literasi digital dan kompetensi dasar pemrograman web bagi siswa SMK.

Kata kunci: HTML, pelatihan, pengabdian masyarakat, SMK, literasi digital, uji Wilcoxon

Abstract

This community service program aims to enhance students' fundamental understanding and skills in writing simple HTML scripts through practical training using minimal tools, namely Notepad and Google Chrome. The training was conducted for twelfth-grade students at SMK Fadilah, located in Parigi Village, Pondok Aren District, South Tangerang. The implementation adopted a hand-out training approach, involving one lead instructor supported by four assistant instructors who provided direct guidance during hands-on practice. To evaluate the effectiveness of the program, pre-test and post-test assessments were administered to 30 participants. Data analysis included the Shapiro-Wilk test for normality and the Wilcoxon Signed Rank Test as a non-parametric method for paired comparison.

The results demonstrate a significant improvement in students' ability to understand the basic structure and functions of HTML. The average score increased from 1.9 in the pre-test to 4.3 in the post-test. The Wilcoxon test yielded a p-value of 1.86×10^{-9} , indicating a statistically significant difference before and after the training. In addition to score improvement, observations during the training revealed increased student interest and motivation in learning HTML, as well as their ability to independently write and execute simple HTML scripts. Therefore, this program proved effective in enhancing digital literacy and foundational web development skills among vocational high school students.

Keywords: HTML, training, community service, vocational school, digital literacy, Wilcoxon test