

ABSTRAK

Veronica Elisabeth Simatupang: Rancang Bangun Sistem Informasi Manajemen E-Bimbingan Konseling Berbasis Web Pada SMKN 13 Medan. Skripsi. Fakultas Teknik, Universitas Negeri Medan. 2024.

Penelitian ini bertujuan mengatasi masalah pada bimbingan konseling di SMKN 13 Medan, dimana pengolahan data masih dilakukan secara manual. Metode manual ini berisiko menyebabkan kehilangan data, redundansi data, dan kesulitan dalam distribusi Surat Panggilan Orang Tua. Oleh karena itu, sistem informasi manajemen e-bimbingan konseling berbasis web dikembangkan untuk mempermudah pengelolaan data, mencatat informasi dengan rapi, dan meningkatkan efisiensi proses. Sistem ini dirancang menggunakan metode *Rapid Application Development* (RAD), yang mempercepat proses pengembangan melalui tahapan terstruktur dan interaksi yang intensif dengan pengguna. Validasi sistem dilakukan oleh 2 ahli sistem informasi dan 2 ahli praktisi bimbingan konseling, dengan fokus pada 8 aspek validitas. Hasil uji menunjukkan bahwa setiap aspek memiliki koefisien validitas Aikens' V lebih besar dari standar minimal 0.677, sehingga semua item dinyatakan valid.

Uji akseptabilitas juga dilakukan kepada 10 pengguna, yakni guru bimbingan konseling, wali kelas, wakil kepala sekolah, dan kepala sekolah. Penilaian mencakup aspek *usefulness*, *ease of use*, *ease of learning*, dan *satisfaction*. Hasil menunjukkan tingkat akseptabilitas di atas 90%, yang masuk dalam kategori "Sangat Baik". Dengan hasil validitas dan akseptabilitas ini, sistem informasi e-bimbingan konseling berbasis web dinyatakan layak digunakan di SMKN 13 Medan.

Kata Kunci: Sistem, Website, Bimbingan Konseling, *Rapid Application Development*.



ABSTRACT

Veronica Elisabeth Simatupang: Design and Development of an E-Counseling Management Information System Based on Web at SMKN 13 Medan. Essay. Faculty of Engineering, State University of Medan. 2024.

This research aims to address issues in the counseling services at SMKN 13 Medan, where data processing is still conducted manually. The manual method carries risks of data loss, redundancy, and difficulties in distributing Parent Summons Letters. Therefore, a web-based e-counseling management information system was developed to facilitate data management, organize information systematically, and enhance process efficiency.

The system was designed using the Rapid Application Development (RAD) method, which accelerates development through structured stages and intensive user interaction. System validation was conducted by two information system experts and two counseling practitioners, focusing on eight validity aspects. The validation results showed that each aspect achieved an Aikens' V validity coefficient greater than the minimum standard of 0.677, confirming all items as valid.

An acceptability test was also conducted involving 10 users, consisting of counseling teachers, homeroom teachers, the vice principal, and the principal. The assessment covered aspects of usefulness, ease of use, ease of learning, and satisfaction. The results indicated an acceptability level above 90%, categorized as "Excellent." Based on these validation and acceptability results, the e-counseling management information system based on web is deemed suitable for use at SMKN 13 Medan.

Keywords: System, Website, Counseling, Rapid Application Development.

