

Widiani, Z. 2019. “Pengembangan Sistem Informasi Bimbingan Konseling Berbasis Web di SMK YPKK 1 Sleman” Tugas Akhir. Program Studi Pendidikan Teknologi Informasi. Fakultas Humaniora, Pendidikan & Pariwisata. Universitas Teknologi Yogyakarta. Pembimbing Vivianti, S.Pd., M.Pd.

ABSTRAK

Kemajuan teknologi yang pesat serta pemanfaatannya yang luas membuka peluang bagi seluruh lembaga atau organisasi. Seperti halnya Sekolah Menengah Kejuruan membutuhkan sebuah pengaksesan, pengelolaan, pendayagunaan informasi dalam volume yang besar secara efektif, efisien, cepat dan akurat. Salah satunya adalah dalam bidang bimbingan konseling. Bimbingan dan konseling di SMK YPKK 1 Sleman selain memberikan pelayanan kepada siswa, juga mencatat data siswa, presensi dan data alumni SMK YPKK 1 Sleman. Penelitian ini bertujuan untuk mengembangkan Sistem Informasi Bimbingan Konseling Berbasis Web di SMK YPKK 1 Sleman. Pengembangan sistem menggunakan model pengembangan *waterfall* yang meliputi analisis kebutuhan sistem, desain program, pembuatan kode program, pengujian program, penerapan dan pemeliharaan program. Sistem dibangun dengan menggunakan bahasa pemrograman PHP dan *Javascript*, serta database *MySQL*. Hasil penelitian ini berupa perangkat lunak aplikasi sistem informasi bimbingan konseling berbasis *web* yang dapat mengelola data siswa, data presensi, data pelayanan konseling, dan data alumni SMK YPKK 1 Sleman. Berdasarkan hasil pengujian *Black Box*, dapat disimpulkan bahwa Sistem Informasi Bimbingan Konseling Berbasis Web di SMK YPKK 1 Sleman ini dapat digunakan sesuai fungsinya.

Kata Kunci: *Sistem informasi, Bimbingan Konseling, SMK YPKK 1 Sleman, Model pengembangan waterfall.*

Widiani, Z. 2019. *Development of Web-Based Counseling Guidance Information System at SMK YPKK 1 Sleman. Final Project. Information Technology Education Study Department. Faculty of Humanities, Education & Tourism. University of Technology Yogyakarta. Advisor Vivianti, S.Pd., M.Pd.*

ABSTRACT

Rapid technological advancements and extensive utilization of open opportunities for all institutions or organizations. Vocational High Schools need access, management, utilization of information in large volumes effectively, efficiently, quickly and accurately. One of them is in the field of counseling. Guidance and counseling at SMK YPKK 1 Sleman in addition to providing services to students, also record student data, attendance and alumni data from SMK YPKK 1 Sleman. This study aims to develop a Web-Based Counseling Guidance Information System at SMK YPKK 1 Sleman. System development uses the waterfall development model which includes system requirements analysis, program design, program code making, program testing, program implementation, and maintenance. The system is built using the PHP and Javascript programming languages, as well as the MySQL database. The results of this study are in the form of web-based counseling information system application software that can manage student data, attendance data, counseling service data, and alumni data of SMK YPKK 1 Sleman. Based on the results of the Black Box test, it can be concluded that this Web-Based Counseling Guidance Information System at SMK YPKK 1 Sleman Vocational School can be used according to its function.

Keywords: *Information system, Counseling Guidance, SMK YPKK 1 Sleman, Waterfall development model*