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## ABSTRAK

Proses penjadwalan bimbingan konseling di sekolah masih dilakukan secara manual melalui kertas atau buku agenda BK. Penelitian ini bertujuan untuk mengembangkan dan mengetahui kelayakan sistem informasi penjadwalan bimbingan konseling terintegrasi *WhatsApp*. Metode yang digunakan pengembangan ini adalah model *Waterfall* dengan tahapan analisis kebutuhan, desain, pengkodean, pengujian, dan pemeliharaan. Analisis kebutuhan dilakukan melalui observasi dan wawancara. Tahap desain mencakup perancangan UML, *database*, dan antarmuka sistem. Implementasi dilakukan dengan menerapkan desain ke dalam kode program menggunakan bahasa PHP dengan *framework Laravel 12*. Pengujian sistem mengacu pada standar ISO 25010 yang terdiri dari lima aspek. Hasil pengujian *functional suitability* oleh ahli sistem menunjukkan sistem sangat layak untuk diuji coba. Pengujian *usability* terhadap 20 pengguna menghasilkan nilai 87,2%, yang menunjukkan sistem layak digunakan. Pada aspek *reliability*, pengujian dengan WAPT menghasilkan nilai 100%, aspek *performance efficiency* mencatat waktu rata-rata akses 1,7 detik. *Maintainability* menunjukkan sistem sudah dilengkapi notifikasi kesalahan dan tampilan antarmuka yang konsisten antar halaman. Dengan demikian, sistem informasi ini dinyatakan layak digunakan sebagai solusi digital untuk mendukung proses penjadwalan bimbingan konseling secara efisien dan terintegrasi di lingkungan sekolah.

**Kata Kunci :** penjadwalan BK, sistem informasi, *WhatsApp*, *Waterfall*

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## **ABSTRACT**

*The guidance and counseling (GC) scheduling process in schools is still carried out manually using paper or a BK agenda book. This study aims to develop and evaluate the feasibility of a WhatsApp-integrated guidance and counseling scheduling information system. The development method used is the Waterfall model, consisting of requirements analysis, design, coding, testing, and maintenance stages. Requirements analysis was conducted through observation and interviews. The design stage included UML modeling, database design, and system interface planning. The system was implemented using the PHP programming language with the Laravel 12 framework. System testing was conducted based on the ISO 25010 standard, which includes five aspects. The results of the functional suitability test by system experts indicate that the system is highly feasible for trial use. Usability testing involving 20 users yielded a score of 87.2%, indicating the system is suitable for use. Reliability testing using WAPT achieved a score of 100%, while performance efficiency testing recorded an average loading time of 1.7 seconds. Maintainability testing showed that the system provides error and success notifications and has a consistent user interface across pages. Therefore, the developed system is deemed feasible as a digital solution to support an efficient and integrated guidance and counseling scheduling process in schools.*

**Keywords:** *counseling scheduling, information system, WhatsApp, Waterfall*