

## **ABSTRACT**

*This study aims to design and develop a Web-Based Guidance and Counseling Information System using the Laravel framework at SMK Model Patriot IV Ciawigebang. The background of this research is the continued use of manual methods in guidance and counseling services, which results in limitations in recording, data management, and communication between counselors and students. The development method used is the ADDIE model (Analysis, Design, Development, Implementation, Evaluation) with Laravel and Vite for backend development and asset management, the Atlantis 3.30 template based on Bootstrap 4 for responsive user interface design, and MySQL as the database. The application includes modules for student data management, counseling case recording, service scheduling, counseling screening implementation, publication of educational articles, online counseling through a chat feature, counseling progress tracking, real-time notifications, and digital reporting. The system is also equipped with end-to-end encryption on the chat feature and role-based access management to maintain data confidentiality. Functionality testing by information system experts resulted in a feasibility score of 100% (highly feasible). Usability testing obtained scores of 83.9% (highly feasible) from Guidance Counselors, 54.3% (fairly feasible) from students, and 87.6% (highly feasible) from the Student Affairs division. These findings indicate that the application improves the organization of counseling administration through data management and reporting modules, facilitates online counseling services via the chat feature, accelerates student case reporting, and supports service effectiveness through progress tracking, real-time notifications, and data security modules. The system is recommended for sustainable use in schools, with regular maintenance and feature development based on user feedback.*

**Keywords:** *System, Information, Guidance, Counseling, Web.*

## ABSTRAK

Penelitian ini bertujuan merancang dan membangun Aplikasi Sistem Informasi Bimbingan dan Konseling berbasis *web* menggunakan *framework laravel* di SMK Model Patriot IV Ciawigebang. Latar belakang penelitian ini adalah masih digunakannya metode manual dalam layanan bimbingan konseling, yang mengakibatkan keterbatasan dalam pencatatan, pengelolaan data, dan komunikasi antara konselor dan siswa. Metode pengembangan menggunakan model ADDIE (Analysis, Design, Development, Implementation, Evaluation) dengan Laravel dan Vite untuk pengembangan backend dan manajemen aset, template Atlantis 3.30 berbasis Bootstrap 4 untuk desain antarmuka responsif, serta MySQL sebagai basis data. Aplikasi mencakup modul pengelolaan data siswa, pencatatan kasus konseling, penjadwalan layanan, pelaksanaan skrining konseling, publikasi artikel edukasi, pelaksanaan konseling daring melalui fitur chat, pelacakan progres konseling, notifikasi real-time, serta pelaporan digital. Sistem juga dilengkapi enkripsi end-to-end pada fitur chat dan manajemen akses berbasis peran untuk menjaga kerahasiaan data. Hasil pengujian functionality oleh ahli sistem informasi menunjukkan tingkat kelayakan 100% (sangat layak). Pengujian usability memperoleh skor 83,9% (sangat layak) oleh Guru BK, 54,3% (cukup layak) oleh siswa, dan 87,6% (sangat layak) oleh bagian kesiswaan. Temuan ini menunjukkan bahwa aplikasi mampu meningkatkan keteraturan administrasi BK melalui modul pengelolaan data dan pelaporan, mempermudah layanan konseling daring melalui fitur chat, mempercepat proses pelaporan kasus siswa, serta mendukung efektivitas layanan melalui modul pelacakan progres, notifikasi real-time, dan keamanan data. Sistem direkomendasikan untuk digunakan secara berkelanjutan di sekolah, dengan pemeliharaan rutin dan pengembangan fitur sesuai masukan pengguna.

**Kata kunci:** Sistem, Informasi, Bimbingan, Konseling, *Web*.