

ABSTRACT

Design and Development of a Web-Based Guidance and Counseling Data Management Application for SMP Parigi

Yessy Dwi Auralia Putri.¹⁾, Dr. Rufman Iman Akbar., MM., MKom., IPU., Asean ENG.²⁾

¹⁾ Student of Information Systems Study Program, Pembangunan Jaya University

²⁾ Lecturer in the Information Systems Study Program, Pembangunan Jaya University

Guidance and counseling in schools are essential efforts to support students' development, both academically and non-academically. However, the management of guidance and counseling data that has not been optimized often causes challenges in recording, retrieving information, and reporting. Therefore, this study aims to design and develop a web-based guidance and counseling data management application at SMP Parigi. The application is designed to assist guidance counselors in recording student data, including violations, achievements, and counseling history, as well as generating reports efficiently. The development process employs the waterfall software development methodology, which includes the stages of requirements analysis, system design, implementation, testing, and maintenance. The result of this research is a web-based application accessible by guidance counselors, the principal, and homeroom teachers. This application is capable of processing data quickly and providing accurate reports.

Keywords: *Data Management, Counseling, Students, School, Waterfall*

References: *30 (2019-2024)*