

ABSTRACT

GUIDANCE AND COUNSELING WEBSITE DESIGN USING EXTREME PROGRAMMING METHODS

(Case Study : SMP Negeri 3 Purwokerto)

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The rapid development of information technology in Indonesia provides great opportunities to improve efficiency in various fields, including education. SMP Negeri 3 Purwokerto faces obstacles in Guidance and Counseling (BK) services, where the counseling registration process is still carried out through instant messaging media which results in registration data not being recorded properly. In addition, recording counseling data using physical books creates various problems such as difficulties in searching data and processing information, as well as the risk of damage or loss of data. To address these issues, the research used the Extreme Programming (XP) approach, which enables the development of adaptable and responsive software, to design and build the counseling website. The website provides students with quick and easy access to counseling services, facilitates data collection and archiving for teachers, and offers information about counseling services. The UAT showed the level of user satisfaction in students 82%, teachers 95%, and administrators 100%, with a total overall percentage of 92.33% with score interpretation criteria. Black Box Testing was used for testing, which resulted in a 100% success rate. I strongly agree. The results of this study are expected to increase the effectiveness of guidance and counseling services and make it easier for students and teachers in data collection and data processing.

Keyword : *Extreme Programming, Guidance and Counseling, User Acceptance Test*