

ANALYSIS OF DEVELOPMENT STTS (SISTEM TATA TERTIB SISWA) IN SMAN 2 MATARAM

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ABSTRACT

Research objectives was: (1) conducted STTS software development which was able to support the needs of SMAN 2 Mataram related application of the code of conduct, (2) conducted analysis of functionality factor on the STTS, (3) conducted analysis of reliability factor on the STTS, (4) conducted analysis of usability factor on the STTS, (5) conducted analysis of maintainability factor on the STTS, (6) conducted analysis of portability factor on the STTS.

Stages of method research and development: (1) Identification of the problem, (2)Needs analysis and data collection, (3) System design, (4) System implementation, (5) System validation, (6) System revision, and (7) System testing.

The results obtained was: (1) STTS resolved manipulation and availability of data on buku saku and recaps book that was often missed, (2) results of test software meets the rules of software quality based on ISO 9126, with functionality worth 1 (categorized Good), reliability worth 1 (said to be Reliable), usability worth 4,40 (categorized Very Decent), maintainability with complexity worth 1,52 was very low, so it categorized Good. Portability worth 1 (categorized Good).

Keywords: sistem tata tertib siswa, stts, software quality, code of conduct, recording

ANALISIS PENGEMBANGAN STTS (Sistem Tata Tertib Siswa) di SMAN 2 Mataram

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ABSTRAK

Tujuan penelitian untuk: (1) melakukan pengembangan perangkat lunak STTS yang mampu menunjang kebutuhan SMAN 2 Mataram terkait penerapan tata tertib, (2) melakukan analisis faktor *functionality* pada STTS, (3) melakukan analisis faktor *reliability* STTS, (4) melakukan analisis faktor *usability* pada STTS, (5) melakukan analisis faktor *maintainability* pada STTS, dan (6) melakukan analisis faktor *portability* pada STTS.

Tahapan metode Penelitian dan Pengembangan: (1) Identifikasi Masalah, (2) Analisis Kebutuhan dan Pengumpulan Data, (3) Desain Sistem, (4) Implementasi Sistem, (5) Validasi Sistem, (6) Revisi Sistem, dan (7) Uji Coba Sistem.

Hasil yang diperoleh yaitu: (1) STTS menyelesaikan masalah manipulasi dan ketersediaan data-data di buku saku dan buku rekap yang kerap hilang, (2) hasil pengujian *software* memenuhi kaidah *software quality* berdasarkan ISO 9126, dengan *functionality* bernilai 1 (kategori Baik), *reliability* bernilai 1 (dikatakan Reliabel), *Usability* bernilai 4,40 (kategori Sangat Layak), *Maintainability* dengan kompleksitas 1,52 yang sangat rendah sehingga dikategorikan Baik. *Portability* bernilai 1 (kategori Baik).

Kata kunci: sistem tata tertib siswa, stts, *software quality*, tata tertib, pencatatan

