INTISARI

SMA Negeri 1 Ngemplak merupakan sebuah lembaga pendidikan di kabupaten Boyolali, dalam proses manajemen perpustakaan menerapkan teknologi informasi seperti SLiMS (Senayan Library Management System). Akan tetapi kendala muncul dalam penggunaan teknologi seperti Sistem SLiMS yang bermasalah, human error, dan pada saat proses penginputan terjadi pemadaman listrik data akan hilang sehingga dapat menghambat proses manajemen perpustakaan. Penelitian ini bertujuan untuk menganalisis kehandalan sistem, memahami sejauh mana standar kualitas terpenuhi serta menjamin tingkat kualitas sistem informasi perpustakaan SMA Negeri 1 Ngemplak dengan metode ISO 25010. Pengujian dilakukan menggunakan 4 aspek karakteristik ISO 25010 yaitu functional suitability, usability, reliability, dan performance efficiency. Instrumen pengujian melibatkan kuesioner fungsionalitas, USE Questionnaire, stress testing, load testing. Hasil dari penelitian ini memenuhi standart ISO 25010 dengan aspek functional suitability, usability, reliability, dan performance efficiency.

Kata kunci: SLiMS, Kualitas, Sistem Informasi, ISO 25010

ABSTRACT

SMA Negeri 1 Ngemplak is one of the educational institutions in Boyolali district, which in its library management process applies information technology such as SLiMS (Senayan Library Management System). However, problems arise in the use of technology such as problematic SLiMS systems, human error, and when the input process occurs when the electricity goes out, data will be lost, which can hamper the library management process. This research aims to analyze system reliability, understand the extent to which quality standards are met and guarantee the quality level of the Ngemplak 1 Public High School library information system using the ISO 25010 method. Testing was carried out using 4 aspects of ISO 25010 characteristics, namely functional suitability, usability, reliability and performance efficiency. The testing instruments include a functionality questionnaire, USE Questionnaire, stress test, load test, and maintainability index. The results of this research meet the ISO 25010 standard with aspects of functional suitability, usability, reliability, and performance efficiency.

Keywords: SLiMS, quality, information system, ISO 25010