

## **ABSTRACT**

This research has two main objectives: (1) Creating a web-based student grade processing information system that is in accordance with the 2013 Curriculum. This system is designed to assist in the process of processing student grades at Matsuda Auto Vocational School; (2) Measuring the quality level of the information system for processing student grades at Matsuda Auto Vocational School using the ISO-9126 standard. This standard covers six aspects, namely functionality, reliability, usability, efficiency, portability, and maintainability. By following this standard, research will evaluate how well the system created meets the specified quality criteria. The method used is Research & Development (R&D) which includes stages: (1) Identification of Potential and Problems; (2) Needs Analysis and Data Collection; (3) System Design; (4) System Implementation; (5) System Validation; (6) System Revision; (7) System Trial; and (8) Final System. The instruments used are checklists for testing aspects of functionality, maintainability and usability as well as instruments in the form of tools for testing aspects of reliability, efficiency and portability. The system was tested on several experts and educators.

Keywords: information systems, 2013 curriculum, ISO-9126

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Penelitian ini memiliki dua tujuan utama: (1) Menciptakan sistem informasi pengolahan nilai siswa berbasis web yang sesuai dengan Kurikulum 2013. Sistem ini dirancang untuk membantu dalam proses pengolahan nilai siswa di SMK Auto Matsuda; (2) Mengukur tingkat kualitas sistem informasi pengolahan nilai siswa di SMK Auto Matsuda menggunakan standar ISO-9126. Standar ini mencakup enam aspek, yaitu *functionality*, *reliability*, *usability*, *efficiency*, *portability*, dan *maintainability*. Dengan mengikuti standar ini, penelitian akan mengevaluasi seberapa baik sistem yang dibuat memenuhi kriteria kualitas yang ditetapkan. Metode yang digunakan adalah *Research & Development* (R&D) yang meliputi tahapan: (1) Identifikasi Potensi dan Masalah; (2) Analisis Kebutuhan dan Pengumpulan Data; (3) Desain Sistem; (4) Implementasi Sistem; (5) Validasi Sistem; (6) Revisi Sistem; (7) Uji Coba Sistem; dan (8) Sistem Akhir. Instrumen yang digunakan berupa checklist untuk pengujian aspek *functionality*, *maintainability*, dan *usability* serta instrumen berupa tool untuk pengujian aspek *reliability*, *efficiency*, dan *portability*. Sistem diujicobakan ke beberapa ahli dan tenaga pendidik.

**Kata Kunci:** sistem informasi, kurikulum 2013, ISO-9126