EVALUASI KUALITAS SISTEM INFORMASI RAPOR KURIKULUM 13 BERBASIS ISO 25010 DENGAN METODE *SIMPLE ADDITIVE WEIGHTING (SAW)*

[1]Glance Jzva Winryz [2]Wiwik Suharso, S. Kom M. Kom

Jurusan Teknik Informatika, Fakultas Teknik, Universitas Muhammadiyah Jember

[1]Email : *Glancewinryz@gmail.com*

Dalam kegiatan belajar mengajar di era modern saat ini, sistem informasi memberikan suatu peran yang sangat penting untuk mempermudah kegiatan guru mengisi rapor siswa, seperti kemampuan untuk menginputkan nilai siswa, melihat data siswa, MI Rudlatul Ulum Kerang dan MI Negeri Bondowoso memiliki sistem informasi rapor yaitu AROBI. Untuk mengetahui kualitas dari Sistem Informasi Aplikasi Rapor dan Buku Induk (AROBI) memenuhi standart perangkat lunak, maka dilakukan analisis kualitas perangkat lunak berdasarkan atribut ISO/IEC 25010. Model ISO/IEC 25010 - *Software Product Quality Requirements and Evaluation* (SquaRE). Atribut yang digunakan adalah *Functional suitability, Compatability, Performance Efficiency, Usability*, *Reliability, Security, Maintanability, Portability*. Metode *Simple Addictive Weighting* (SAW) adalah metode dalam mencari penjumlahan terbobot dari rating kinerja pada setiap alternatif pada semua atribut.

Berdasarkan hasil analisis data maka dapat disimpulkan sebagai berikut : Indikator *Functional Suitability* memiliki nilai Alternatif 0,88, *Performance Efficiency* memiliki nilai Alternatif 0,84375, indikator *compatibility* memiliki nilai Alternatif 0,931818, *Usability* memiliki nilai Alternatif 0,6814816, *Reliability* memiliki nilai Alternatif 0,727273, *Security* memiliki nilai Alternatif 0,6294116, *Maintainability* memiliki nilai Alternatif 0,87500025, dan *Portability* memiliki nilai Alternatif 0,61448277. Secara keseluruhan evaluasi kualitas sistem AROBI mendapatkan hasil bahwa sistem ini baik atau layak. Tetapi evaluasi ini juga mendapatkan nilai alternatif 0,88 pada indikator *Functional Suitability* dan 0,727273 pada indikator *Reliability* atau dapat dikatakan indikator ini mendapat nilai cukup. Berikut rekomendasi yang di ajukan pada penelitian ini guna meningkatkan perbaikan indikator :
Functional Suitability yaitu diharapkan keseluruhan informasi yang tersedia di sistem AROBI bisa lebih lengkap dan sesuai dengan kebutuhan dalam bekerja.
Reliability yaitu diharapkan sistem AROBI bisa melindungi file untuk meminimalisisir terjadinya eror.

Keywords ISO/IEC 25010, *SAW, Functional suitability, Compatability, Performance Efficiency, Usability, Maintainability, Security, Reliability*

EVALUASI KUALITAS SISTEM INFORMASI RAPOR KURIKULUM 13 BERBASIS ISO 25010 DENGAN METODE *SIMPLE ADDITIVE WEIGHTING (SAW)*

[1]Glance Jzva Winryz [2]Wiwik Suharso, S. Kom M. Kom

Jurusan Teknik Informatika, Fakultas Teknik, Universitas Muhammadiyah Jember

[1]Email : *Glancewinryz@gmail.com*

In teaching activities in the current modern era,information systems provide a very important role to facilitate teacher activities to fill student report cards, such as the ability to input student grades, view student data , MI Rudlatul Ulum Kerang and MI Negeri Bondowoso have a system report card information that is AROBI. To find out the quality of the Report Card Application Information System and Parent Book (AROBI) meets the software standard, an analysis of software quality is based on ISO / IEC 25010 attributes. ISO / IEC 25010 Model - *Software Product Quality Requirements and Evaluation* (SquaRE). The attributes used are *Functional suitability, Compatability, Performance Efficiency, Usability, Reliability, Security, Maintanability, Portability*. The *Simple Addictive Weighting* (SAW) method is a method of finding the weighted sum of the performance ratings for each alternative on all attributes.

Based on the results of data analysis, it can be described as follows:
The *Functional Suitabilit*y indicator has an Alternative value of 0.88, *Performance Efficiency* has an Alternative value of 0.84375, S*uitability* of indicators with an Alternative value of 0.931818, *Usability* has an Alternative value of 0.6814816, *Reliability* with an Alternative value of 0.727273, *Security* has an Alternative value of 0,6294116, *Maintainability* with an Alternative value of 0.87500025, and *Portability* with an Alternative value of 0.61448277. In total, the evaluation of the quality of the AROBI system shows that the system is good or feasible. But this evaluation also gets an alternative value of 0.88 on the Functional Suitability indicator and 0.727273 on the Reliability indicator or it can be said that this indicator gets a sufficient score. The following are the recommendations put forward in this study to improve indicator improvements:
Functional suitability that is expected all information available in the AROBI system can be more complete and in accordance with the needs of the work.
R*eliability* expected that the AROBI system can protect files to minimize error events.

Keywords ISO/IEC 25010, *SAW, Functionalsuitability, compatability, Perfor mance Efficiency, Usability , Maintainability, Security, Reliability*