

ABSTRACT

Title: Decision Support System in Selecting Outstanding Students to Optimize the Management of the State Islamic Senior High School (MAN) Insan Cendikia Padang Pariaman Using the Simple Multi Attribute Rating Technique (SMART) Method

Selecting superior students is a strategic step in improving the quality of school management. This process is often carried out subjectively, potentially leading to inaccurate decision-making. To address this issue, this study developed a Decision Support System (DSS) that can assist schools in determining superior students objectively and measurably. This system was built using the Simple Multi-Attribute Rating Technique (SMART) method, which is capable of processing various assessment criteria such as average grades, academic achievement, non-academic achievement, extracurricular values, and behavioral values. The study was conducted at the Insan Cendikia State Islamic Senior High School (MAN) Padang Pariaman. The results of the system implementation showed that the SMART method is able to provide accurate and accountable recommendations for selecting superior students. With this system, it is hoped that the superior student selection process can be carried out more effectively, efficiently, and transparently, thus positively impacting the optimization of school management.

Keywords: Decision Support System, SMART, Outstanding Students, MAN Insan Cendikia.

ABSTRAK

Judul : Sistem Pendukung Keputusan Dalam Pemilihan Siswa Unggul Untuk Mengoptimalkan Manajemen Sekolah Madrasah Aliyah Negeri (MAN) Insan Cendikia Padang Pariaman Menggunakan Metode Simple Multi Atribut Rating Technique (SMART)

Pemilihan siswa unggul merupakan salah satu langkah strategis dalam meningkatkan kualitas manajemen sekolah. Proses ini seringkali dilakukan secara subjektif, sehingga berpotensi menimbulkan ketidaktepatan dalam pengambilan keputusan. Untuk mengatasi permasalahan tersebut, penelitian ini mengembangkan sebuah Sistem Pendukung Keputusan (SPK) yang dapat membantu pihak sekolah dalam menentukan siswa unggul secara objektif dan terukur. Sistem ini dibangun menggunakan metode *Simple Multi Attribute Rating Technique* (SMART), yang mampu mengolah berbagai kriteria penilaian seperti nilai rata rata, prestasi akademik, prestasi non-akademik, nilai ekstrakurikuler dan nilai perilaku. Penelitian dilakukan di Madrasah Aliyah Negeri (MAN) Insan Cendikia Padang Pariaman. Hasil implementasi sistem menunjukkan bahwa metode SMART mampu memberikan rekomendasi pemilihan siswa unggul yang akurat dan dapat dipertanggungjawabkan. Dengan adanya sistem ini, diharapkan proses seleksi siswa unggul dapat dilakukan secara lebih efektif, efisien, dan transparan, sehingga berdampak positif terhadap optimalisasi manajemen sekolah.

Kata Kunci: Sistem Pendukung Keputusan, SMART, Siswa Unggul, MAN Insan Cendikia.