

SISTEM PENDUKUNG PENGAMBIL KEPUTUSAN BERBASIS WEB DALAM MEREKOMENDASIKAN GURU TERFAVORIT DI MI AL HUDA MENGUNAKAN METODE MOORA

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ABSTRAK

MI Al Huda merupakan salah satu sekolah dasar swasta yang berlatar belakang Islami yang berlokasi di Banjar Dinas Kauman, Desa Pengastulan, Kecamatan Seririt, Kabupaten Buleleng, Bali. MI Al Huda mempunyai program pemilihan guru terfavorit untuk meningkatkan kualitas dan mutu guru dalam melakukan proses belajar mengajar. Namun proses pemilihannya tidak melalui mekanisme yang jelas yang menimbulkan subjektivitas. Tujuan dari penelitian ini yaitu mengembangkan Sistem Pendukung Keputusan (SPK) berbasis web dalam merekomendasikan guru terfavorit di MI Al Huda menggunakan metode MOORA (*Multi-Objective Optimization on the Basis of Ratio Analysis*). Sistem ini mampu memberikan hasil perankingan guru terfavorit berdasarkan input kriteria yang diberikan oleh pihak sekolah yang terdiri dari absensi, lama mengajar, metode pembelajaran, pendidikan terakhir, dan prestasi. Hasil Pengujian sistem menggunakan metode *Black Box Testing* sudah sesuai dengan kebutuhan pengguna sedangkan pengujian *User Acceptance Testing (UAT)* mendapatkan hasil sebesar 97.142%.

Kata Kunci: MI Al Huda, Sistem Pendukung keputusan, MOORA, *Black Box Testing*, *User Acceptance Testing*.

**DECISION SUPPORT SYSTEM WEBSITE-BASED IN FAVORITE
TEACHER RECOMMENDATION AT MI AL HUDA USING THE MOORA
METHOD**

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ABSTRACT

MI Al Huda is one of the private elementary schools with an Islamic background located in Banjar Dinas Kauman, Pengastulan Village, Seririt District, Buleleng Regency, Bali. MI Al Huda has a favorite teacher selection program to improve the quality and quality of teachers in carrying out the teaching and learning process. However, the selection process does not go through a clear mechanism which causes subjectivity. The purpose of this study is to develop a web-based Decision Support System (DSS) in recommending the most favorite teachers at MI Al Huda using the MOORA method (Multi-Objective Optimization on the Basis of Ratio Analysis). This system is able to provide the results of the ranking of the most favorite teachers based on the input criteria provided by the school consisting of absence, length of teaching, learning methods, last education, and achievements. The results of the system testing using the Black Box Testing method are in accordance with user needs while the User Acceptance Testing (UAT) test obtained results of 97.142%.

Keywords: *MI Al Huda, Decision Support System, MOORA, Black Box Testing, User Acceptance Testing.*