

ABSTRAK

Penelitian ini bertujuan untuk membangun website alumni pada Yayasan Islam Al-Hijriyah Pulau Rimau yang dilengkapi dengan Sistem Pendukung Keputusan (SPK) guna membantu memberikan rekomendasi jurusan dan karier kepada alumni. Sistem ini dirancang untuk menilai kesesuaian antara potensi alumni dengan alternatif jurusan dan karier berdasarkan beberapa kriteria, yaitu minat, kemampuan akademik, bakat, dan peluang kerja. Metode yang digunakan dalam proses pengambilan keputusan adalah Multi Attribute Utility Theory (MAUT), karena metode ini mampu mengolah beberapa kriteria penilaian secara bersamaan dan menghasilkan nilai akhir sebagai dasar rekomendasi. Pada sistem yang dibangun, admin atau operator melakukan input data penilaian alumni berdasarkan informasi yang tersedia, kemudian data tersebut diproses oleh sistem menggunakan metode MAUT untuk menentukan alternatif jurusan dan karier dengan tingkat kesesuaian tertinggi. Hasil rekomendasi dapat dilihat oleh alumni melalui halaman rekomendasi pada website. Rekomendasi yang dihasilkan tidak dijadikan sebagai keputusan mutlak, melainkan sebagai bahan pertimbangan dalam menentukan pilihan pendidikan lanjutan maupun arah karier. Dengan adanya sistem ini, alumni diharapkan memperoleh gambaran yang lebih jelas, terarah, dan berbasis data dalam merencanakan masa depan sesuai minat, kemampuan, bakat, serta peluang kerja yang tersedia.

Kata Kunci: Alumni Alumni, Minat dan Kemampuan, Multi Attribute Utility Theory (MAUT), Peluang Karier, Rekomendasi Jurusan, Rekomendasi Karier, Sistem Pendukung Keputusan (SPK), Website Berbasis Aplikasi.

ABSTRACT

This study aims to develop an alumni website at the Al-Hijriyah Islamic Foundation in Rimau Island, equipped with a Decision Support System (DSS) to assist in providing recommendations for majors and careers to alumni. This system is designed to assess the suitability of alumni potential with alternative majors and careers based on several criteria, namely interests, academic abilities, talents, and job opportunities. The method used in the decision-making process is the Multi-Attribute Utility Theory (MAUT), because this method is able to process several assessment criteria simultaneously and produce a final score as the basis for recommendations. In the system being built, the admin or operator inputs alumni assessment data based on available information, then the data is processed by the system using the MAUT method to determine alternative majors and careers with the highest level of suitability. The recommendation results can be viewed by alumni through the recommendations page on the website. The resulting recommendations are not used as final decisions, but rather as considerations in determining further education choices and career directions. With this system, alumni are expected to obtain a clearer, more focused, and data-based picture in planning their future according to their interests, abilities, talents, and available job opportunities.

Keywords: Alumni, Interests and Abilities, Multi-Attribute Utility Theory (MAUT), Career Opportunities, Major Recommendations, Career Recommendations, Decision Support System (DSS), Web-based Application.

