

ABSTRAK

Saputra, Dova Arya. 2025. Perancangan Sistem Pendukung Keputusan Seleksi Penerima Beasiswa Kip Kuliah Dengan *Metode Multi Attribute Utility Theory* (MAUT) (Studi Kasus : Biro PMB Universitas PGRI Madiun). Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Slamet Riyanto, S.T., M.M. (II) Alim Citra Aria Bima, S.Pd., M.Kom.

Perancangan Sistem Pendukung Keputusan Seleksi Penerima Beasiswa Kip Kuliah Dengan Metode *Multi Attribute Utility Theory* (MAUT) (Studi Kasus : Biro PMB Universitas PGRI Madiun) Penelitian ini bertujuan untuk merancang dan membangun sistem pendukung keputusan (SPK) berbasis *website* guna membantu proses seleksi penerima beasiswa KIP-K menggunakan metode *Multi Attribute Utility Theory* (MAUT). Metode MAUT dipilih karena mampu memberikan evaluasi yang objektif berdasarkan bobot dan nilai dari setiap kriteria yang telah ditentukan. Sistem ini dikembangkan dengan tahapan perancangan sistem, implementasi aplikasi, serta pengujian untuk mengevaluasi fungsionalitas dan kegunaan. Hasil pengujian *Black Box* menunjukkan bahwa seluruh fitur sistem berfungsi dengan baik tanpa kesalahan (100% berhasil). Dengan demikian, sistem yang dibangun dinyatakan efektif dan layak digunakan untuk mendukung proses seleksi beasiswa.

Kata Kunci: *Sistem Pendukung Keputusan, Beasiswa, MAUT, KIP-K, Black Box, Website.*

ABSTRACT

Saputra, Dova Arya. 2025. *Design in Decision Support System for KIP-K Scholarship Recipient Selection Using Multi Attribute Utility Theory (MAUT) Method (Case Study: Bureau PMB Universitas PGRI Madiun). Informatics Engineering Study Program, Faculty of Engineering, Universitas PGRI Madiun. Advisor (I) Slamet Riyanto, S.T., M.M. (II) Alim Citra Aria Bima, S.Pd., M.Kom.*

Design of a Decision Support System for KIP-K Scholarship Recipient Selection Using the Multi Attribute Utility Theory (MAUT) Method (Case Study: Bureau PMB Universitas PGRI Madiun). This study aims to design and develop a web-based Decision Support System (DSS) to assist in the selection process of KIP-K scholarship recipients using the Multi Attribute Utility Theory (MAUT) method. MAUT was chosen for its ability to provide objective evaluations based on the weight and score of each predetermined criterion. The system was developed through several stages, including system design, application implementation, and testing to evaluate both functionality and usability. The results of Black Box Testing show that all system features functioned properly without any errors (100% success). Therefore, the system is considered effective and feasible for use in the scholarship selection process.

Keywords: *Decision Support System, Scholarship, MAUT, KIP-K, Black Box, Website.*