ABSTRAK

MOH. SYAIFULLAH AZIZ, NPM 720520001. Implementasi Metode *Fuzzy-Topsis* pada Sistem Pendukung Keputusan Seleksi Penerima Beasiswa KIP Universitas Wiraraja berbasis Website. (Pembimbing: **Iddrus.,M.Kom dan Rully Widiastutik.,M.Kom**)

      Universitas Wiraraja merupakan lembaga pendidikan yang menyediakan berbagai macam beasiswa, termasuk Beasiswa KIP Kuliah. Saat ini, proses seleksi penerimaan beasiswa KIP Kuliah di Universitas Wiraraja masih dilakukan secara manual yang memerlukan waktu lama. Oleh karena itu, penelitian ini bertujuan untuk mengimplementasikan metode Fuzzy-TOPSIS pada sistem pendukung keputusan seleksi penerima beasiswa KIP Kuliah berbasis website. Metode Fuzzy-TOPSIS dipilih karena mampu menangani unsur ketidakpastian dan memberikan rekomendasi alternatif terbaik. Populasi pada penelitian ini adalah 60 data mahasiswa penerima beasiswa KIP Kuliah dan sampel yang digunakan sebanyak 30 data. Teknik analisis data menggunakan langkah-langkah pada metode Fuzzy-TOPSIS. Hasil dari penelitian ini diharapkan dapat membantu divisi kemahasiswaan melakukan proses seleksi penerimaan beasiswa KIP Kuliah dengan lebih mudah, cepat, akurat dan transparan.

Kata kunci : Beasiswa KIP Kuliah, Fuzzy-TOPSIS, Sistem pendukung keputusan, Website, Seleksi penerimaan beasiswa, Efisiensi, Akurasi, Universitas Wiraraja, Divisi kemahasiswaan

ABSTRACT

MOH. SYAIFULLAH AZIZ, NPM 720520001. *Implementation of Fuzzy-Topsis Method in a Website-based Decision Support System for KIP Scholarship Recipient Selection at Wiraraja University.* (*Advisors*: **Iddrus.,M.Kom and Rully Widiastutik.,M.Kom**)

Wiraraja University is an educational institution that provides various scholarships, including the KIP Kuliah Scholarship. Currently, the selection process for KIP Kuliah scholarship recipients at Wiraraja University is still done manually, which takes a long time. Therefore, this study aims to implement the Fuzzy-TOPSIS method in a website-based decision support system for KIP Kuliah scholarship recipient selection. The Fuzzy-TOPSIS method was chosen because it can handle elements of uncertainty and provide the best alternative recommendations. The population in this study consists of 60 student data of KIP Kuliah scholarship recipients, with a sample of 30 data used. The data analysis technique uses the steps in the Fuzzy-TOPSIS method. The results of this study are expected to help the student affairs division conduct the KIP Kuliah scholarship selection process more easily, quickly, accurately, and transparently.

Keywords: KIP Kuliah Scholarship, Fuzzy-TOPSIS, Decision support system, Website, Scholarship recipient selection, Efficiency, Accuracy, Wiraraja University, Student affairs division