

**“SISTEM PENDUKUNG KEPUTUSAN PEMILIHAN CALON  
PENERIMA BEASISWA DI AKADEMI KEBIDANAN JEMBER DENGAN  
METODE ELIMINATION ET CHOIX TRADUISANT LA REALITE  
(ELECTRE)”**

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**Abstrak**

Metode *Elimination Et Choix Traduisant La Realite (ELECTRE)* merupakan salah satu metode yang efektif untuk *Multi Attribute Decision Making (MADM)* dengan fitur kualitatif dan kuantitatif. Metode ELECTRE digunakan dalam penentuan calon penerima beasiswa agar program beasiswa tersebut tepat sasaran dan lebih adil melalui perankingan alternatif-alternatif terbaik berdasarkan kriteria-kriteria yang telah ditentukan yaitu Pendapatan Orang Tua (Wali), Jumlah Saudara, Indeks Prestasi, dan Catatan Khusus.

Sistem Pendukung Keputusan Penentuan Pemilihan Calon Penerima Beasiswa menggunakan metode ELECTRE pada Akademi Kebidanan ini dapat membantu pihak Yayasan dalam menentukan siswa penerima beasiswa dengan mengambil nilai tertinggi dari hasil perankingan.

Berdasarkan pengujian dengan sistem aplikasi yang menggunakan Metode Electre dan Manual, menunjukkan bahwa hasil keduanya terdapat kesamaan di 5 peringkat teratas. Perbedaan peringkat di bawahnya dikarenakan adanya penilaian subjektif dari tim pemilihan dan juga kelengkapan administrasi yang diserahkan oleh calon penerima beasiswa.

**Kata Kunci :** Metode *Elimination Et Choix Traduisant La Realite*, ELECTRE, Beasiswa, Sistem Pendukung Keputusan.

*“DECISION SUPPORT SYSTEM FOR THE SELECTION OF PROSPECTIVE SCHOLARSHIP AT ACADEMY OF MIDWIFE JEMBER WITH THE ELIMINATION ET CHOIX TRADUISANT LA REALITE METHOD (ELECTRE)”*

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**ABSTRACT**

*Elimination Et Choix Traduisant La Realite (ELECTRE) method is an effective method for Multi Attribute Decision Making (MADM) with qualitative and quantitative features. The ELECTRE method is used in determining prospective scholarship recipients so that the scholarship program is right on target and more equitable through the ranking of best alternatives based on predetermined criteria, namely Parental Income (Guardian), Number of Siblings, Achievement Index, and Special Notes.*

*The Decision Support System for determining the Prospective Scholarship Recipients using the ELECTRE method at the Midwifery Academy can help the Foundation in determining scholarship recipients by taking the highest score from the ranking results.*

*Based on testing with application systems that use the Electre and Manual Methods, it shows that the results of the two are similar in the top 5 rankings. The difference in ranking below it is due to the subjective assessment of the selection team and also the administrative completeness submitted by prospective scholarship recipients.*

**Keywords** : *Elimination Et Choix Traduisant La Realite Method, ELECTRE , Scholarship , Decision Support System*