

## ABSTRACT

### **DECISION SUPPORT SYSTEM (DSS) FOR MIDDLE SCHOOL 3 XYZ SCHOLARSHIP ACCEPTANCE USING WEBSITE BASED ANALYTICAL HIERARCHY PROCESS METHOD**

Muhammad Jalaluddin Rumi<sup>1)</sup>, Augury El Rayeb, S.Kom., M.MSI<sup>2)</sup>

<sup>1)</sup>Students of the Information Systems Study Program, Pembangunan Jaya University.

<sup>2)</sup>Lecturer in the Information Systems Study Program, Pembangunan Jaya University.

*Decision Support System (SPK) for Scholarship Acceptance at SMP 3 This system utilizes the Analytical Hierarchy Process (AHP) approach to explore preferences and criteria used in selecting scholarship recipients. Through a website-based platform, prospective scholarship recipients can submit scholarship applications online and upload supporting documents. This system also facilitates the scholarship selection committee in assessing applications more efficiently.*

*In AHP, scholarship selection criteria such as academic achievement and financial need are assessed by the selection committee based on predetermined weights. This system then produces an overall score for each scholarship applicant based on that assessment, and the scholarship recipient candidate with the highest score will be selected. With this SPK, the scholarship acceptance selection process becomes more transparent, objective and efficient. Decision makers at SMP 3*

*This Scholarship Acceptance Decision Support System has the potential to increase fairness in the distribution of scholarships and support the educational goals of SMP 3 XYZ in providing better access to education for high achieving students and those with special needs. With a website-based platform, this system also facilitates access and interaction between applicants and the selection committee, increases efficiency and optimizes the use of available resources.*

**Keywords:** *Decision Support System (DSS), Analytical Hierarchy Process (AHP), Scholarship Acceptance*