

***Decision Support System for Selection of Thesis Supervisor D4 - Informatics Engineering Using Profile Matching Method***

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**ABSTRACT**

*The process of preparing a thesis is an important stage in the academic journey of students of the D4 Informatics Engineering Study Program at the Information Technology Department of Jember State Polytechnic. The thesis is not only a requirement for graduation, but also an opportunity for students to develop an in-depth understanding of their field of study and make contributions to the development of science. Factors that influence include the complexity of the research topic, limited access to resources, busyness outside the academic field, and the quality of lecturer guidance. Currently, the determination of thesis supervisors is done manually by considering the guidance quota, expertise, and research experience. This process often experiences obstacles such as lack of transparency, uncertainty in decision making, and difficulty for students in identifying lecturers who are suitable for research topics. To overcome this problem, this research proposes the use of a Decision Support System (DSS) with the Profile Matching method. This system is designed to facilitate the selection of supervisors for students, ensure the suitability between thesis topics and lecturers' areas of expertise, and maintain a balance in the number of mentors per lecturer.*

*Keywords: Thesis, Decision Support System, Profile Matching, Supervisor, Informatics Engineering*