DECISION SUPPORT SYSTEM FOR SELECTING CANDIDATES FOR STUDENT COMPETENCY COMPETITION USING THE PROFILE MATCHING METHOD

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The Student Competency Competition (LKS) is a national level competition that requires an objective and structured participant selection process. However, the process of selecting prospective LKS participants at SMKN 1 Panji Situbondo is still done manually and does not yet have a system that supports data-based decision making. This research aims to design and develop a decision support system website in selecting prospective LKS participants using the Profile Matching method. This method is used to match student competencies with ideal criteria that have been determined by the school, including academic aspects, technical skills, discipline, and attitude. Testing was conducted through black-box testing and user acceptance test (UAT) involving 5 teachers and 30 students as respondents. The UAT results show that the system gets a feasibility level of 85.5% from teachers and 86.5% from students, which is categorized as very feasible. Thus, this system is considered capable of helping the selection process of prospective LKS participants more objectively, transparently, and efficiently.

Keywords: *Decision Support System, Student Competency Competition, Profile Matching, Participant Selection, UAT, Black-Box Testing*