ABSTRACT

DECISION SUPPORT SYSTEM FOR DETERMINING DIRECT CASH ACCEPTANCE IN SLINGA VILLAGE USING THE SIMPLE MULTI ATTRIBUTE RATING TECHNIQUE (SMART) METHOD

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Poverty is a fatal obstacle experienced by every developing country, especially Indonesia. Poverty is defined as a condition where humans do not have the financial readiness to meet their basic needs, such as shelter and food, through the existing level of output. A government strategy to reduce the number and percentage of poor people is through the Direct Cash Assistance program. After conducting observations and interviews with Slinga Village officials, several problems were found to implement the Direct Cash Assistance - Village Fund plan, especially to regulate its receipt. A conflict that was found was that the management of program recipient information was carried out manually, so the distribution was unfair. The SMART method is a technique for handling multi-criteria conflicts based on assessing each solution from a weight. The weights are used to differentiate the level of need for each criterion. In order to calculate the weights, a value for the solution can be produced to find the optimal attribute. Each attribute weight displays the level of priority over each other attribute. This learning will produce a system that can help Slinga Village officials in making decisions regarding receiving Direct Cash Assistance). This research offers a technological solution that is efficient and in line with the needs of village officials in ensuring the distribution of aid runs evenly. This system can be the basis for developing similar applications in the future for other aid programs, both at the village level and in wider areas.

Keywords : Direct Cash Assistance, Simple Multi Rating Attribute Technique, Rapid Application Development