

DECISION SUPPORT SYSTEM FOR RECOMMENDATIONS OF FEASIBILITY FOR CHILD SOCIAL WELFARE INSTITUTIONS USING SIMPLE ADDITIVE WEIGHTING METHOD

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ABSTRACT

There are requirements to obtain an operational permit for child social welfare institutions. This aims to ensure that child social welfare institutions can operate in accordance with applicable regulations and be trustworthy. To determine the feasibility of an institution, an instrument is needed which contains questions related to the requirements for institutional feasibility. Once the questions have been gathered, they are accumulated using the Simple Additive Weighting (SAW) method. This method is a weighted summing method. The basic concept of the Simple Additive Weighting (SAW) method is to find the weighted sum of performance ratings for each alternative across all criteria. The Simple Additive Weighting (SAW) method requires the normalization process of the decision matrix (X) to a scale that can be compared with all existing alternative ratings. Thus, a feasibility score will be generated, indicating how suitable the institution is for operation. The system will be developed in the form of a website to facilitate users in assessing the feasibility of the institutions, as websites can be accessed on various operating systems available today.

Keywords: Child Social Welfare Institution, Social Welfare Agency, Decision Support System, Website