

ABSTRACT

Today there are many crime cases that occur on the streets of major cities in Indonesia, especially in the city of Bandung. There are many causes that cause a crime case to occur, from the negligence of the victims to the inaccuracy of the police in taking action in handling crime cases. From the above problems, it is necessary to have a decision support system that is shown for the police in taking appropriate action to reduce the crime rate that occurs.

This decision support system application must provide the right decision so that it can be an alternative to the police's decision in determining the actions that must be taken to handle crime cases. In making this application, FMADM (Fuzzy Multi Attribute Decision Making) and SAW (Simple Additive Weighting) methods are used. The FMADM method is used to find optimal alternatives from all existing alternatives based on criteria. While the SAW (Simple Additive Weighting) method which determines decision making based on the best ranking results from the many alternatives that exist.

From the research results, it is found that this simple additive weighting method can be implemented and it is hoped that in the future it will help recommend action decisions to the police. From the test results by conducting a survey of 10 Sabhara staff, the results, the menus and buttons on this website are functioning properly with a test value of 86%, the appearance of the website is attractive with a value of 88%, the features on this website are complete with a value of 88%, The decision-making features on this website are already running well with a value of 82%, the level of effectiveness of making crime decisions based on the criteria used is 96%.

Keyword : *Criminality, Decision Support Systems (DSS), FMADM (Fuzzy Multi Attribut Decision Making) , SAW (Simple Additive Weighting).*