DETERMINATION OF CANDIDATES FOR DECISION SUPPORT SYSTEM WHILE THE BENEFICIARIES DIRECT COMMUNITY (BLSM) CASE STUDY "Village Dawuhan" USING FUZZY MULTIPLE CRITERIA DECISION MAKING

[1] Mohammad Fahman Firmansyah (1310651177)
[2] Deni Arifianto, S.kom, M.Kom
[3] Ulya Anisatur R. M.Kom, [4] Triawan Adi Cahyanto, M.Kom
Department of Informatics Faculty of Engineering, University of Muhammadiyah Jember
Email: mohammad.fahman11@gmail.com

ABSTRACT

BLSM or BALSEM is commonly called Direct Aid Society While the government in dealing with rising fuel prices which are recognized very unsettling among people of middle / incapacitated. Increasing number of people are not able to have an impact on the length and accuracy of the process of determining the recipients of government assistance (BLSM). Therefore, it is considered necessary to a decision support system in the process of determining the recipient of government assistance. *Fuzzy Multiple Criteria Decision Making (FMCDM)* selected as a method for this FMCDM make decisions on several alternative decisions based on several criteria are taken into consideration and this method uses three degrees optimism for selecting the optimal alternative for the decision.

The FMCDM method is applied to this Decision Support System for selecting BLSM receiving recipients with website-based implementation. The amount of data used is 54 data KK (Head of Family), and conducted the test of accuracy level of similarity of village data with system, obtained the highest accuracy data equal to 85%.

Keywords: *Decision Support Systems, FMCDM, BLSM*