

ABSTRACT

DESIGN AND CONSTRUCTION OF DECISION SUPPORT SYSTEMS FOR SELECTION TO RECEIVE POVERTY AID USING TSUKAMOTO METHOD (STUDY IN SUMBERJAYA DISTRICT, WEST LAMPUNG REGENCY)

By

GESTY OKTADIANSAH

e-mail: gestyoktadiansah01@gmail.com

Determining poverty assistance is one of the crucial aspects of the government's efforts to overcome the problem of poverty. Based on the specifications of poverty assistance, it could be divided into three groups, namely not feasible, feasible, and very feasible. It is not uncommon for the government to provide poverty assistance that is not on target. Based on this problem, it was necessary to build a decision support system for the selection of recipients of poverty assistance. The method used Tsukamoto's Fuzzy Inference System (FIS) with 3 (three) input variables, namely income, dependents, and age, as well as 27 fuzzy rules. This research produced a system for determining the receipt of poverty assistance in the Sumberjaya District using the Tsukamoto method which could help decide which individuals or families deserve assistance.

Keywords: Support System, Determination of Assistance, Tsukamoto

