Abstract

One of problem in decision making is selecting sets of alternatives based on many criterion or attribute. Where the decision makers oftentimes have to select or rank among the alternatives that are associated with noncommensurate attributes. Selecting a house is one of many cases where every house alternative has many consideration that are used as parameter in selecting house. One of way of which can able to solving the the problem that is with Multiple Attribute Decision Making (MADM). With a subjective and objective integration approach, weight value to each attribute is obtained by subjective and objective. Where weight value by subjektif is obtained pursuant to experts given opinion, and weight value objectively obtained by using TOPSIS. Then rank sets of alternatives using Quantifier Guided Dominance Degree (QGDD) and Quantifier Guided Degree non-Dominance (QGNDD) so that can be obtained housing alternative suggestion. Where examination done with value of alpha which different each other. At the value of alpha = 0.7 and 0.9, percentage of system proposal on the chance of downhill user progressively. This matter is caused by expert given opinion different from expectation of user. Process the solving of the problem of by using MADM will be poured on a system called with Decision Support System.

Keywords : MADM, A subjective and objective integration approach, TOPSIS, QGDD, QGNDD, Decision Support Systems