

Abstract

In election of supervisor on the company, a manager usually find difficulties in determining new supervisor. Because of that needed a system able to give suggestion to manager. In this Final Task, investigation the problem using Multiple Attribute Decision Making (MADM) representing a method to look for optimal alternative from a number of alternative with certain criterion, in solving of MADM there are method of electre, where one of the method decision making of relied on multikriteria concept of outranking by using comparison of alternatives pursuant to every appropriate criterion, used at condition of where less alternative as according to criterion of eliminated appropriate alternative and can be yielded. But in this method still contain subjective factor, especially in alternative ranking, because that writer enhance genetics of algorithm to decrease subjektive factor. The last, this Final Task do comparison of rank result between electre and electre with algorithm of genetika. From the comparison, can be take conclusion that electre use genetics algorithm to result of ranking more better than standard of electre because not impression subjective result from decision maker.

Keywords: Multiple Attribute Decision Making, electre, genetics algorithm, subjective, ranking