Organization assessment using Fuzzy Data Envelopment Analysis purpose to control the movement of organizations in the preset program

Sedigheh Ramzani*,Dr. Mansour soufi, Dr. Mehdi Homayoun Far,

In recent years, due to strong competition in the arena of activity and due to increasing of the resources to transform them in to goods and services become more crucial then the past, such that not taking care of this issue make the performance and sequel of organizations life more doubtful. Optimum allocating of the resources in an organization require continuous evaluation of its unit performances. The performance evaluation is an important component of improving productivity process, because without measurement, it's impossible to judge as well as control and proper planning in an organization. There are two general method for efficiency evaluation: parametric and nonparametric. Data Envelopment Analysis, which is a nonparametric method, measure and evaluate the efficiency of given units method, measure and evaluate efficiency of given units using mathematical optimization. Anthe other hand conditions and factors influencing the activities of organizations become more complex, such that real phenomena are always Fuzzy, ambiguous and inexact. Also, inputs and outputs rate of institutions may be don't constant and determined under different conditions. Therefore, for reflecting the conditions governing inputs and outputs and also reflecting the real conditions of the issue more, as well as making the results more the fuzzy approach have taken into consideration. In this research, the comprehensive method are presented for efficiency evaluation in organizations using Data Envelopment Analysis models in fuzzy and certain states, by considering the factor of time. The efficiency evaluation by the presented model, give an effective tool to managers for organization control sush that they will be able to differentiate the deviation performance degree efficiency bound in previous periods and thus they will be able to make required planning, before encountering to new situations by potential causes of deviations. In

order to examine the model, tangible inputs and outputs of 18 Tea co. were used.

Keywords : Efficiency, DEA, fuzzy logic