A Study on Multiple-Criteria Decision Making Techniques and Performance Evaluation

In this study, the performance of the Mechanical and Chemical Industry (MKE) located in the defense industry institutions is aimed to be evaluated by Multi-Criteria Decision Making Methods. In this view, the data in the annual reports published between 2008 and 2012 has been used. Such the data in the annual reports as the amount of sales, production volume, the amount of stock, supply quantity, the amount of expenditure, income, investment costs and the number of staff have been considered as evaluation criteria. Principally criteria weights have been calculated by using Analytic Hierarchy Process (AHP) method, then annual performances have been calculated by applying COPRAS (COmplex PRoportional ASsesment) Method. At the end of the study, with the increasing volume of business every year, it has been observed that the best performance was achieved in 2012.