

Closed-Loop Supply Chain under Price and Quality Dependent Demand: An Application to Job-Seeker Problem

Authors : Sutanto, Alexander Christy, N. Sutrisno

Abstract : The demand of a product is linearly dependent on the price and quality of the product. It is analog to the demand of the employee in job-seeker problem. This paper address a closed-loop supply chain (CLSC) where a university plays role as manufacturer that produce graduates as job-seeker according to the demand and promote them to a certain corporation through a trial. Unemployed occurs when the job-seeker failed the trial or dismissed. A third party accomodates the unemployed and sends them back to the university to increase their quality through training.

Keywords : CLSC, price, quality, job-seeker problem

Conference Title : ICMSS 2017 : International Conference on Mathematical Sciences and Statistics

Conference Location : Singapore, Singapore

Conference Dates : September 11-12, 2017