Paper Title: Using Data Envelopment Analysis for Green Supplier Selection in Manufacturing under Vague Environment

Abstract

In these days, considering the growth of knowledge about environmental protections and green issues in manufacturing, green supplier selection would be the central component of the management of supply chain. This paper intends to apply data envelopment analysis for supplier selection considering environmental merits. The suppliers' performances with respect to criteria are not pure numbers and considered in linguistic terms according to decision makers' opinion. To handle the subjectivity of decision makers' assessments, fuzzy logic has been applied. A case study is done to present the application of the method.