

Abstract

One of the success factor in SCM is Supplier Relationship Management and one of the most important part from Supplier Relationship Management is business partner selection. It is very important because by selecting the best partner, a company could optimize every single step of its business process, so it can increase the company's profits. There are many methods in business partner selection, this book used Artificial Bee Colony (ABC) algorithm because it's novel algorithm which outperforms the other algorithms. The results show that this algorithm can produce the optimal value from every step of business partner selection with high accuracy.

Keywords: Supply Chain Management (SCM), Artificial Bee Colony (ABC), business partner selection, Supplier Relationship Management