

عنوان مقاله:

An integrated AHP-VIKOR methodology for plant location selection

محل انتشار:

ماهنامه بین المللی مهندسی، دوره 24، شماره 2 (سال: 1390)

تعداد صفحات اصل مقاله: 11

نویسندگان:

Reza Tavakkoli-Moghaddam - Industrial Engineering, University of Tehran

M. Heydar - Department of Industrial and Manufacturing Enginee, University of Wisconsin, Milwaukee

S.M. Mousavi - Industrial Engineering Department, Faculty of Engineering, Shahed University

خلاصه مقاله:

Plant location selection invariably has a significant impact on the performance of many companies or manufacturing systems. In this paper, a novel methodology is structured to solve this problem. The two decision making methods, namely AHP and VIKOR, are integrated in order to make the best use of information available, either implicitly or explicitly. In addition, the Delphi method is utilized to select the most influential criteria by a few experts. The aim of using AHP is to give the weights of the just-selected criteria. Finally, the VIKOR method is taken into account to rank alternatives. Finally, a case study demonstrates the applicability of the proposed methodology

کلمات کلیدی:

Decision Making, Plant Location Selection, AHP, VIKOR

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1391083>

