

Investigating Of Urban Waste Management Strategies of Ardabil by Using SWOT Analysis and QSPM Matrix

ABSTRACT

Background and Objectives: Urban waste management strategy is an effective step towards achieving sustainable development and achieving the goals of long-term organizational plans. This study aimed to formulate optimal strategies of Ardabil urban waste management system by using analyzing SWOT and QSPM matrix in the year 2017 took place.

Methods: In this descriptive-analytic study, the initial information was obtained through library studies and review of texts, observations, field visits, specialized interviews and completion of the questionnaire. Finally, various departments of Ardabil municipal waste management (production and storage in place, recycling and recovery, collection, transportation and disposal) based on Delphi, was evaluated using SWOT analysis and QSPM matrix.

Results: The final scores of IFE and EFE matrices in the production and storage sector at the site were respectively 2.20 and 1.72 , in the recycling and recovery sectors respectively of 2.03 and 3.05 , in the collection and transportation sectors respectively 2.42 and 2.18 and in the final elimination section, respectively, 2. 00 and 1.35, the current situation of the four sections assessed according to these scores, respectively, was determined in defensive, conservative, defensive and defensive positions. According to QSPM, in each section the best strategies of WT1, WO5, WT1 and WT5 respectively the rates were 6.74, 11.57, 11.48, and 9.51 respectively.

Conclusion: Considering the system's position in all four sectors, it is necessary to take the necessary steps by applying the strategies of the final matrix in order to reduce internal weaknesses and avoid external threats and use of opportunities in the advantages, so that the effects of the situation The current risk is reduced.

Keywords: Waste Management, SWOT Model, Strategic Quantitative Planning Matrix (QSPM), Ardebil.