Site Selection of Tourism Village in Mahabad Dam Shore Using AHP, GIS and SWOT Techniques

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Extended Abstract

1. INTRODUCTION
Nowadays tourism activities are one of the most important stimuli for economic, social and cultural development of communities. Human hand-made attractions like dams can be a great opportunity for achieving such purposes. Suitable site selections to provide the services needed by the tourists, is one of the most important steps for tourism planning in the form of tourism village based on the identification and analysis of the various criteria and indicators. Today it is attempted to select sites in more realistic or scientific way by using GIS or other integrated methods. So a planner should seek integrated models and methods of geographic information systems in tourism issues. Tourism villages are parts of a province which enjoy natural, cultural and historical attractions for attracting tourists and require special services, establishments and informing.

Mahabad dam Lake as one of the beautiful tourist attractions in Western Azerbaijan province, attracts many tourists each year especially during the holidays, while lacking necessary amenities and facilities for the development of tourism commensurate with the needs of tourists. This dam despite of enjoying enough potential for growth and development of tourism, has not been studied yet by researchers. In the present research, it is attempted to select the best site in mahabad dam Lake by studying, analyzing and comparing of present criteria in terms of site selection. So the main questions of the present study are as follows:
- What are the best criteria in site selection of tourism villages?
- What are the best proposal places for selecting the tourism village in Mahabad dam?
- What are the weaknesses, strengths, opportunities and threats of proposal places in order to select the best place for building tourism village in Mahabad dam?
- What kind of strategies can be offered for building and developing of tourism village in Mahabad dam?

2. THEORETICAL FRAMEWORK
Ecotourism is a new concept that sparked in the beginning by the idea of rebuilding the real nature. Ecotourism is a responsible form of tourism which conserve natural environment and strengthen local community’s welfare. According to the definition of world and Iran tourism organizations, tourism village are the places which enjoy natural, cultural and historical attractions. However, such places need to build services, establishments and informing for tourism development.

3. METHODOLOGY
In the present study, firstly, effective criteria and sub criteria determined for selecting a suitable site which offering services to tourists, and due to differences in the effectiveness of the indicators, using the technique (AHP) paired comparison of these components was carried out by 25 tourism experts, and the final weight of each item is calculated. Then according to the number of criteria and the final weight of sub criteria, layers has been created in the Geographic Information system (GIS) Environment, in order to select the best site of tourism village on the edge of the Lake dam. Then by using SWOT technique, Site A was identified as the best site of tourism village.

Finally appropriate strategies (SO, ST, WO, WT) based on SWOT methodology were offered for tourism development in the study area.

4. DISCUSSION
In this study, all of the information layers are combined with each other after determining their values and then the area was classified in 5 categories

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in terms of capability of building tourism village. Since the land dedicated to create tourist village should be appropriate in terms of area and shape, the very small and also far away locations from the dam removed and finally 3 places selected and introduced as the suggested places for building tourism village. Th suggested locations analyzed by SWOT model in order to compare them with objective reality, and they analyzed separately to determine the best and suitable sites. Finally, the total points of each site summed to determine the best site for building tourism village. The results of scores in each site indicates that site A is the best site for building tourism village. Observation and field studies show that site A is the best site for building tourism village because it enjoys a proper vision of the dam as well as having the proper slope and also being away from the agricultural fields and the gardens. Finally site A with total points of 52 introduced as the best site for building tourism village.

5-- CONCLUSION
In this study, the best sites identified for building tourism village by overlaying 12 layers in GIS environment and finally 3 sites were proposed. To select the best site among 3 sites, SWOT analysis were used. Finally by using SWOT technique the best site (site A) with total score of 52 was determined to create the tourism village. The site A is located in the southern heights overlooking the dam, and enjoys the proper vision of the dam as well as having the proper slope and also being away from the agricultural fields and the gardens. Finally appropriate strategies (SO, ST, WO, WT) were offered for developing of tourism village in the study area.

Key words: Site Selection, Mahabad Dam, Tourism Village, GIS, SWOT.

References (in Persian)

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