

Analysis of site selection in the industrial zones based on environmental and economic models: a case study of Arvand industrial zone of Iran

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ABSTRACT:

Today, due to the potential of support job opportunities and exports as well as the need of the other producing and service sectors, the manufacturing industry is important to develop a country's economy. However, the establishment of industry encompassed environmental changes that could adversely affect the ecosystem. In this study, the accuracy of the selected locations for planned industries in Arvand industrial zone are determined based on the environmental shift and share economic models. The results showed that Arvand zone possesses required economical and industrial infrastructure; this region has not met any ecological incapability factors. Moreover, it doesn't comply with defined environmental regulations such as proximity of factories to each other and their location relative to prevailing wind direction. Therefore, focusing on commercial and tourism developments are recommended instead of excessive industrialization.

Keywords:

Site selection, industrial zone, shift and share economic model, environmental models