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Spatial Analysis and Site Selection of Health Medical and Hospital Centers Using (GIS) (Case Study: Jahrom City)

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Abstract

Optimal and balanced distribution of allocated spaces to different types of landuses including, especially, health medical centers and hospitals, is one of organizational requirements. Accurate positioning of these centers is of organization requirements in terms of observing justice in access to health services for all segments of society. In this study, using GIS along with investigating the place-spatial distribution of abovementioned centers in Jahrom city, attempt was made to do a locational analysis and to make a prediction on the location of health-medical centers and hospitals (in the horizon of year 1400). Research methodology of this study was descriptive-analytical. Required data was collected by using 1/2000 landuse map, field observation and studying plans related to Jahrom city. And, using GIS and with the help of analytical hierarchy process (AHP), data processing and analysis has been

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made according to urban planning criteria. Finally, the most appropriate locations to create the desired centers were localized.

Key Words: Jahrom city, health medical centers, hospital, site selection, GIS, AHP.

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