

Abstract

in general, the Livability is the three dimensions of economic, social and environmental criteria and indicators, Each of them has separate criteria dimensions and indicators of this research Based on world literature livability and examination of Economist Intelligence Unit Have been selected. the aim of this study in the first step is examination livability of economic, social and environmental dimension in paveh city and in the second step is measure satisfaction rate of citizens of paveh from the livability rate in its different dimensions. data collected by questionnaire in R software environment and data in the the neighborhoods were analyzed n the MATLAB environment using by Fuzzy Inference System (FIS). overall, the results show that the livability of Paveh city according to the Economist Intelligence Unit criteria in social, economic and environmental dimension is lower than critical limit of 60 (average of EIU) and does not in good condition. also in investigate the livability of paveh city in neighborhoods of 1, 2, 3 and 4 by using Fuzzy Inference System respectively with values 0.21, 0.39, 0.18 and 0.17 indicates that livability neighborhoods of Paveh with Privilege (Fewer than 50) is in (unacceptable) range of the Economist Intelligence Unit. Toki test results showed that the average each dimension are not in a group, so that the social dimension with values (59) and the environment with values(54) is in range of undesirable, and economic dimension with values (43.2) is in range of unacceptable, that displeasure of citizens from the economic dimension is much more than other dimensions. also analysis of variance (ANOVA) results with 52 value and results are non-fuzzy inference (FIS) results with value of 0.25 indicated the Paveh city in according to the criteria of EIU is not livable city, and with international standards is very far.

Key words: livability, Paveh city, EIU, software R, Fuzzy Inference System(FIS)



University of Zabol
Graduate school
Faculty of Literature and human sciences
Department of Geography and urban planning

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Supervisors:

Dr. A. Kiani

Advisors:

Dr. Gh. Khammar

By:

N. Mozhgan

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