



University of Zabol  
Graduate school  
Faculty of Literature and human sciences

Department of Geography

**The Thesis Submitted for the Degree of M.Sc  
(in the Field of Geography and Urban Planning)**

**Future Research of Expanded Villages in the City With an  
Environmental Approach (Case Study of Zabol city).**

**Supervisors**

Dr. A. Shabazi

**Advisors**

Dr. Gh. Khammar

**By:**

Somayeh pourkarami

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## **Abstract**

Considering the growth of population, the advance of cities and villages, the connection and integration of villages with cities, the consumption of villages by cities, the loss of natural, pristine resources and the emergence of environmental issues and problems, the study and planning of environmental issues from It is of special importance, especially when we pay attention to this, natural and biological resources are also for the future. Therefore, planners propose a new method called scenario building for future design. In this regard, the purpose of this research is to investigate the key factors and driving forces affecting the future of expanded villages in Zabol city with an ecological-environmental approach in seven dimensions (changes of use, green space, noise pollution, building density, sewage disposal system, air quality, waste management) ) Is.

20 variables have been entered into MICMAC software. The output of the software showed the six factors of physical-body changes, land use change, village-traditional identity change, densification, high-rise development, village landscape changes as the key factors influencing the future situation of the expanded villages in Zabol city. The same factors were first determined by the number of their possible states, then used to write scenarios for the future of expanded villages in Zabol city, and the data was entered into the Wizard software. The output was determined, the fifth scenario of physical changes is constant and proportional to the growth of the village, and the other factors of the change trend are decreasing, so it can be said that the fifth scenario is a favorable and appropriate scenario. It is better for planners and related agents to try to provide conditions for this scenario to come true.

**Keywords:** Environmental, Expanded Villages, Future Research, Scenario, Zabol city

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