



Analysis of the Challenges and Technical Solutions for Revitalization of Traditional Buildings in Hot and Humid Climate (Case Study: Anthropology Museum of Local Residents in Kish Island)

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Abstract

In every nation ancient buildings are rich sources for inspiration from local traditional architecture. Many of such buildings still have potentials for conservation and renovation. This article reviews the issue of revitalization of old traditional buildings in south part of Iran with hot and humid climate. The key technical challenges of revitalization and renovation of such buildings were explored via literature review. Then, the technical solution for such challenges were identified via cases study analysis. In order to reach comprehensive and practical solutions, three key fields of built environment studies which are architecture, structure and infrastructure design were explored together. The case study for this research was the project of revitalization of a traditional building into "Anthropology Museum of Local Residents" in Kish Island. The analysis and case study showed that most of the technical challenges for revitalization of such buildings are resolvable via simple solutions. Based on this, economic and socio-cultural supports of local authorities and planning departments are necessary in order to make such revitalization projects more feasible.

Keywords: Revitalization; Traditional Architecture; Hot And Humid Climate; Technical Challenges; Structure; Infrastructure; Kish Island.

1. Introduction

This study is aimed in investigating the main challenges in field of revitalization of worn out textures and old buildings in hot and humid regions of Iran. The main objective of this study is to show that what are the key problems with the executive agents of revitalization projects of historical textures in this region in general? Knowing such factors can help scholars have more comprehensive attitude towards revitalization projects to have better plans to meet the upcoming difficulties. Moreover, such study helps providing opportunity for further studies and finding better solutions to meet the executive barriers to revitalization of worn out textures.

2. The Goals of Revitalization

The issue of revitalization of worn out textures and old buildings has been always one of the most important branches in field of construction. According to the value of these textures, revitalization of them can have various goals. One of the most important goals could be providing opportunity of better life for local residents of these worn out textures. As strong social integration has been created in these textures over the time, protection and revitalization of physical form of city can help this rooted social system to continue living.

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