Masouleh: A City; A History

Mahshid Kakouei, Mina Kakouei, Kumaran Suberamanian, Sabzali Musa Kahn, Afshin Jahangirzadeh, and Shatirah Akiib

Abstract—Human always tried to create a suitable situation for their life according to environmental conditions. In fact, geography has an important role in the shape of our living area. Iran also as a four-season country has different climate type: hot and humid, hot and dry, mid and humid, and cold; therefore, we can find different architecture styles in Iran. Gilan’s traditional architecture is a suitable sample of sustainable construction in Iran. Because the main architecture in Masouleh. Also, involved factors in successful design of Masouleh traditional architecture pattern are estimated; these factors are included the resourceful use of indigenous materials, to careful consideration of function, climate and location, also with less waste of energy.

II. STUDY AREA
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This paper was determined the interaction between environmental factors and the rural dwellings in the Gilan province. Also, traditional village (city) of Masouleh as a rare sample of rural and sustainable architecture was introduced.

Keywords—Masouleh, Traditional architecture, vernacular materials, sustainable architecture.

I. INTRODUCTION

The remained monuments are witnesses a contradiction between the residents and climatic problems. Because of this, there are different native architectures in various climate architecture in Masouleh. Also, involved factors in successful design of Masouleh traditional architecture pattern are estimated; these factors are included the resourceful use of indigenous materials, to careful consideration of function, climate and location, also with less waste of energy.

II. STUDY AREA

Gilan is a Northern Province of Iran which is located in the Southern west of the Caspian Sea; Gilan is divided into three parts based on the nature: The eastern is plain, Central is forest and Western is mountainous [8], [9], [10]. The existence of rain-bearing winds of north and western north, Alborz mountain ranges in the south and the Caspian Sea in the north have amounted to particular climate in the north of Iran with heavy rains, high humidity, hot summer and cold winter.

A. Climatic Effects on Gilan Architecture

Gilan residences life style is totally different from other parts of Iran, because of the specific climate condition [5], [11]. Therefore, traditional architecture of this region has reached some solution to this climate situation to provide...