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Study of typology of vernacular architecture with the approach of environmental sustainability (case study: indigenous housing of the city of Lahijan)

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Although the modern architecture has created valuable developments, but complex problems have occurred in the field of environment and the current world situation shows an unstable development. The stability is a multidimensional flow that increases the economic growth and creates general welfare accompanied by social justice and this is away from damaging environmental effects and social anomalies. Also sustainable architecture can be considered as an architecture that is responsive to spatial and environmental conditions and characteristics and has optimal use of its platform capabilities in line with the favorable environmental conditions. The objective of the present study is to find new patterns of design and also to create spaces in harmony with the environment and to provide a standard living conditions with minimum environmental pollution for present and future generations. One of the remarkable points of the current century concerning energy saving is the existence of new solutions for a desirable life without compromising the resources of future generations and its impact on plant and animal ecosystems. Achieving the protection of non-renewable energies, reduction of the use of land resources and the impact of less destruction of buildings on the environment are cases to which we should pay special attention in architectural designs. Therefore, in this study, by using data collection through document method and in another part by field method (Information and photos regarding the city of Lahijan, by analysing data through qualitative method), the following results are obtained as solutions for design in harmony with the climate in the vernacular architecture of Lahijan.

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