

Environmental Analyzes of Courtyard in the Sustainable Architecture of Hot-Aired Region



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ABSTRACT

This paper concentrates on the results of sustainability caused by Courtyard as a climatic element in Iranian traditional architecture of hot-arid regions. Traditional architecture of Iran is perceived sustainable for having sustainable features. It is able to response to environmental problems from a long period. Its features are based on climatic factors as well as local construction materials of hot-arid regions and Courtyard (*hayate-markazi*) is one of this features. Courtyard as one of the determining and organizing factor of traditional architecture in Hot - aired regions involves varies aspects. This research uses library documents and Internet sites as well as analyzing building plans.

Result of this paper; show that considering the experience in traditional architecture of hot-aired regions, it is possible to create an environmental and sustainable architecture.

KEY WORDS :

Sustainable Development, Sustainable Architecture, Hot-Arid regions , Courtyard (Hayat-e-Markazi), Environmental Architecture, Green Architecture, Typology