

Application of Psychological Factors in Shelter Space Design with Passive Defense Approach

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Abstract

The role of psychology in all environments is a matter of concern, which is directly related to the physical and psychological needs of humans. The importance of this issue is very significance in the shelter environment considering passive defense approach and in times of military threats and when confronting it. Since environmental psychology explores the factors that influences this process, the role of this field in creating an appropriate environment in the shelter bed is important. This research is aimed at designing a spatial structure based on social psychology that helps citizens to stay in a shelter with designed environment and psychological security. Vital factors in the social psychological approach in the shelter environment are discussed with passive approach, which analyzes the impacts of these factors in this environment with analytical-descriptive method. The proposed psychological factors that this study seeks to, include: security index, light and color index, spatial sense of belonging index, cultural index, design index with better performance and welfare index. Observing these issues in shelter design with the passive defense approach contributes to the calmness and mental health of citizens.

Key words: social psychology, shelter, design, passive defense

1. Introduction

Achieving psychological needs in the design of shelters with passive approach will be obtained, with the elimination of the physical and psychological needs of humans. In this regard, the design of shelter architecture plays a fundamental role in meeting all the functional needs and providing the physical and mental health of users. This design should provide appropriate opportunities for the expression of culture. Shelter, in addition to preserving their lives, has a further application, considering the importance of creating a relaxed and stress-free environment and taking into account the goal of making shelter with a passive approach at moments when citizens are supposed to use it.

This article seeks to examine features of a shelter, both peacetime and wartime, from the psychological point of view, that are designed to stress free the citizen's minds and make them more relaxed.