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**Assessment and analysis of passive defense in relation to
bioterrorism Case study: Zabol city**

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Abstract

Bioterrorism is one of the types of terrorist attacks that with the biased spread of biological agents can cause destruction and destruction between humans, animals, plants and specific urban environmental conditions. Recent advances have led to microbial agents and biological toxins becoming deadly weapons and threatening human life and health. Due to the development of technology for easy production and dissemination of biological agents, awareness and readiness against these attacks for security forces in the east of the country, health institutions, food factories, citizen service institutions, customs and ... is a requirement. Biodefense is one of the new fields of passive defense that has somehow opened the thinking of passive defense experts from its usual methods to a new field. The purpose of this study is to evaluate and analyze passive defense in relation to bioterrorism in Zabol city and this research is based on a combination of descriptive-analytical methods and based on library, documentary and field studies. Data analysis was performed using smartPLS software and AHP model, structural equation model and partial least squares method. The results show that the passive defense performance index in the face of Zabol bioterrorism is the stability of environmental conditions (water and storm) with a standard weight (0.179) in the first place and the reduction of the opponent's efficiency with a standard weight (0.120) in the last place. Based on the results, it was found that for the successful deployment of passive bio-defense, it is necessary to first establish an efficient knowledge management system. Studies of the state of consciousness of people in times of storms, safety training, control of water transfer routes, establishment of biological camps in vulnerable areas, control of the dry bed of Lake Hamoon. To solve this problem, it is possible with the support of commanders and experts and the necessary incentives to create the conditions for the establishment of the scientific concept and the application of the research title; Improving the structural, cultural, technological, human resources, organizational and command processes, provided the NAJA's success in establishing knowledge management according to the subject and importance of research.

Keywords: Passive Defense, Bioterrorism, Development, Zabol