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**ESTIMATION OF THE REASONS OF QANAT
DEGREDDATION AND ITS EFFECT ON VILLAGERS'
PARTICIPATION (CASE STUDY OF SIX REGIONS IN
THE KHORASSAN PROVINCE)**

Mahyar Naseri Moghaddam¹, Ebrahim Mirzaee², Seyed Majid
Hashemini³, Kamran Davari³

Abstract

Undoubtedly qanat could be one of the Iranian's most creative designs for sustainable use of underground water resources. Controllable application of water by qanat systems guaranteed cultivation of crops in arid and semiarid regions of Iran for more than 2500 years.

Based on the important role of qanats in the ancient lives, establishment, utilization, maintenance and management of qanats were done by all villagers and water consumers.

In recent years development of wells, and oversupply usage of water and the lack of control and supervision by the governmental authorities caused destruction, drying of many qanats and great reduction in their discharge.

1- Undergraduate student, Water Engineering Dept., Ferdowsi University of Mashhad, Iran. E-mail address: mahyar1984nm@yahoo.com

2- Graduate student, Water Engineering Dept., Ferdowsi University of Mashhad, Iran.

E-mail address: eb_mirzaee@yahoo.com

3- Faculty, Water Engineering Dept., Ferdowsi University of Mashhad, Iran.