

## **Study of effective factors on farmers participation in pressurized irrigation project in the palms of Abadan**

### **Abstract**

Agricultural protection has been pursuant and contentious for many years and the problem that has been favored for many researchers in three decades recent is the relationship between researchers and farmer in production process. The main purpose of this research is the Study of effective factors on farmers participation in pressurized Irrigation project in the palms of Abadan. the target population in this research was includes, all farmers in city abadan that 213 questionnaires were selected and analyzed by using stratified randomization method. The study tools validity and reliability was evaluated by factor analysis method. Several factor consist of 9 indexes by using of fuzzy linear regression approach with the symmetric triangular and nonsymmetric triangular fuzzy numbers were investigated. the results showed that, farmers expectation indexes, modernism, economic incentives and job satisfaction with zero coefficient in regression, didn't have effect on participation farmers in pressurized Irrigation project and indexes, awareness, advancement motivation, scientism, confidence and public-cultural were estimated in very low level. Accordingly, with attention to results of research, it is suggested proceedings such as, performing proportional curriculum with farmer needed, deep culturizing for purpose of preferment contexts diagnostic, cathexis and mentally-dynamics farmers was done.

**Key word:** : Participation, Pressurized irrigation, Linear-fuzzy regression model, Abadan



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