ABSTRACT

HERMAN SUBAGIO, Farmer’s capacity and the successful of farming system: Case of Vegetables and Rice Farmers in Malang and Pasuruan District in East Java Province. Under Direction of SUMARDJO, PANG S ASNGARI, PRABOWO TJITROPRANOTO and DJOKO SUSANTO.

Farmer’s capacity is the very important factor in agricultural development based on human resources; high level of farmers’ capacity ensures their successes and in sustainable farming system.

The objectives of the research are: to determine the level of farmer’s capacity and to analyze the determinant factors affecting farmer capacity. The research was carried out in Malang and Pasuruan Districts which are the centres for vegetables and rice in East Java Province. Data were collected using structured interviews and direct observation. Total sample were 324 farmers who drawn using cluster random sampling technique, i.e. 177 and 165 of vegetables farmers and rice farmer, respectively.

The results of the research showed that: the level of farmer’s capacity is low level category. There is significant difference of the level of farmer’s capacity in two Districts. The level of farmer’s capacity in Malang District is higher than in Pasuruan District. The characteristic of innovation, cosmopolitanism and formal educational are determinant factors affecting farmer’s vegetables capacity, whereas the access of information and cosmopolitan are determinant factors of rice farmers capacity. The factors have significant indirect effect to the successful of farming system through farmer’s capacity and self reliance in farming.

The results of the research imply that agricultural research and extension should take into consideration the level of farmer’s educational, farmer’s capacity, access of information and characteristics of innovation in developing agricultural technologies and programs to disseminate innovation and information.

*Keys word: farmer’s capacity, farming system*