

Who will be the actors of agriculture in the future? Evidence from rural Indonesia

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【Purpose and content of research】

Currently, the quantitative and qualitative analysis were used to clarify the factors affecting farmers' motivation in rice farming. The results of research project are expected 1) to clarify the functions of cooperatives, companies, or community farming as farmer's successors' pool for sustainable agriculture production and steady farm management in Japan and 2) to elucidate the applicability and possibility of community farming systems or agriculture business diversification for sustainable agriculture production and steady farm management in Indonesia. Several data were obtained from the preliminary study to accomplish the first specific objective of this research project. This research is expected to be done within four years (2023-2026), both in Indonesian and Japanese rural areas through the field survey with in-depth interviews. This research targets the local farmers in rural areas and their potential successors, and Indonesian farmer groups. Together with the Research Advisor from Shimane University who expert in conducting research related to community farming, the applicant will also do the field survey and interview several rural community farming that is relevant to this research project in the future.

【Research achievement (acquired knowledge, results, research papers, conference presentations, potential applications for external research grants through this research project)】

This preliminary study used Alderfer's Existence-Relatedness-Growth (ERG) theory to assess farmer motivations. **Results revealed that overall, the rice farmers' motivation as seen from the motivation of ERG needs was categorized as moderate.** Spearman rank correlation coefficient analysis revealed that factors related to famers' motivation are education, side jobs, perception of farmer as a job, farmland areas, productivity of paddy, household income from crops farming, farming experience, keeping the farmland as it is, farmers who only have daughters, and encouragement by parents to be a farmer. Factors affecting farmers' motivation to continue farming can be determined to assess the future farm succession. Attracting younger people as one of the agricultural actors and inspiring high motivation for farming is better for successful farm succession.

From October (2022) until March (2023), I was analyzing my data and writing a full paper based on my preliminary study. I submitted the abstract and did a presentation at **the 11th International Conference of the Asian Society of Agricultural Economists (ASAE)** on 17-20 March 2023 at Aoyama Gakuin University in Tokyo. This April (2023), I am planning to submit my full paper at the Asian Journal of Agriculture and Development (AJAD). For further research, I would like to brush up on my research proposal and plan to apply for the Grant KAKEN FY 2024 or other research grants.