## 特別研修

## 月例研究会議事録 (<u>7月</u>) 2011 年度第 4 回

報告題名 The Factor Analysis of Standard Operation Procedures (SOP) Diffusion Process for	
Banana Farm : A Case Study in Cianjur District, West Java, Indonesia	
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( <b>所属分野</b> )	場所 第2講義室
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出席者	
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林、泉井、Intan, Sudirman, Lies, 金(銀)、黄、今井、室井、ナスンムンク、徐、趙、Manalo, 劉、	
王(偉)、池畑、井坂、伊藤(まき子)、金沢、丸林、門馬	

## 報告要旨(Abstract)

Majority of the banana farmers in Indonesia tend to abandon their banana plant, they just come to their plot to harvest the product, and therefore most of Indonesian banana products are in low quality. This low quality cause the low of the selling price, therefore it discourages the farmers to work seriously on their banana plants. This condition is the figure of the negative cycle among the majority of banana farmers in Indonesia. Therefore, the Government of Indonesia released the Standard Operation Procedure (SOP) to change the negative cycle. SOP is reference in production process containing information and detail instruction covering both cultivation process and post harvest process. This research aims to determine the factor which influences farmers' decision in adopting SOP and to give figure on how the impact of banana SOP application. Based on the analytical model, the wide land area, productivity, and product-selling price have positive correlation to the SOP application. It means that variables that influence the farmers to adopt SOP are their wide land size, high selling price, and high productivity, the selling price, and also the farmers' income from banana. This evidence could be proven by the statistical analysis.

## 質疑・応答

 $(\Lambda \pi)$  In the econometric model, why did you use the dummy variable?

(Intan) This dummy variable is used to adjust the price of the product. Famers have different market channels, so they meet different price of products. That's why I use the dummy variables.

 $(\Lambda \pi)$  I think there is a possibility that farmer join the SOP, so they can achieve high productivity. How do you think about this?

(Intan) In this model, the productivity affect the adoption of the SOP. But actually, there is a possibility that the SOP affect the productivity. So I will try to modify the model.

(高篠) How are your findings different from the previous studies?

(Intan) In the first previous studies the extension information within farmers influence the technology adoption. My studies also support this because this study show involvements in farmer groups affect the adoption of the SOP. In the second previous studies, large landholding farmers tend to adopt the new technology. My study also supports this.

(米倉) I think the banana plantation don't need the irrigation systems, but in your resume, the technology components of the SOP include the irrigation systems. Please explain this.

(Intan) Actually, banana need a lot of water to grow.

(米倉) So how do the farmers supply water to banana?

(Intan) They use the plastic pipe connected to water resources. This is the irrigation systems on the banana plantation.

(米倉) In your resume, you say that the extensive direct connection affect the SOP adoption. What do this the extensive direct connection mean?

(Intan) This mean the sharing agricultural technology information within farmers and between farmers and extension workers.

(高篠) What is the factor affect the joining the farmer groups?

(Intan) Unfortunately, I can't analyze that in this research.

(米倉) In your research site, small landholding or unskilled farmers hesitate to join the SOP. How do you think what the government should do for those farmers?

(Intan) The government have to promote the benefit of adopting the SOP. In addition, they should encourage farmers to join the farmers groups because only those groups have access to government fund. Small famers need financial support from government, so they must join the farmers groups.