

Name	Counterpart	Title
Jomi Suhendri, Elva Gemita	Z01	Improving the utilization of homegardens of the Bathin Sembilan Tribe in The Harapan Rainforest for a better food security status

Introduction

Sekolah Lapang (SL) is participatory training that combines agricultural extension techniques and education for adults. An SL consists of a group of farmers residing in the same village / sub-village who regularly meet on the study area and are guided by the field guide. The study area can be a home garden, yard, rice fields or livestock that have been a source of livelihood for farmers. The implementations of SL in addition to introducing the way of cultivation of certain crops to farmers, SL also aims to obtain the farmers ability (capacity) in making decisions how to manage the agricultural resources based on his knowledge and good understanding of the agro-ecosystem is situated. The SL participant farmers are invited to observe, to find, and to combine it with experience on their land regularly, and then decided a proper action is needed to be done. As an adult, every farmer is willing to learn something new when it is directly related to his interest and suit with his needs. There is one phrase that describes how adults can reach knowledge: "What I heard, I forgot. What I saw, I remember. What I do, I understand". Means, the knowledge gained through the learning process from this experience is part of a learning cycle. Eevery new experience needs to be reflected whether it is success or failed.

Result and Discussion

- KICK-OFF WORKSHOP ON 16 OCTOBER 2017:** a workshop on Improving the Utilization of Homegardens of The Bathin Sembilan Tribe was conducted in 16 October 2017, with Keynote speaker from BPTP Jambi, Mitra Aksi and Warsi followed by 14 participants. After that, it continued with comparative study to Mudung Laut, Sebrang Kota Jambi from 17–19 October 2017.
- COMPARATIVE FILED STUDY FROM 17 TO 19 OCTOBER 2017:** a comparative Study on Improving the Utilization of Homegardens of The Bathin Sembilan Tribe conducted on 17 October 2017. Fourteen people participated: 5 people from Sungai Kelompok, 2 People form the Tanding community and 7 people from the SML community. Objectives were to learn about the usage of the community homegardens in Mudung Laut Village.
- TRAINING WORKSHOPS AND OWN TESTING OF PARTICPANTS (19 OCTOBER TO 14 DECEMBER 2017)** – Production of organic fertilizers (liquid and solid ones) and integrated pest management
 - Introduction to composting using rubber leaves, fruit peels, fruits, banana stems, sawdust, livestock manure
 - Introduction into the production of liquid organic fertilizers (POC) based on local resources (livestock manure, water, sugar solution.
 - Introduction to the usage and application of liquid organic fertilizer (nurseries, grown plants)
 - Introduction into the manufacturing of organic pesticides for pest and disease control using natural ingedi-ents (vegetables, the fungus *Trichoderma sp*)
 - Introduction to integrated pest management (IPM): (a) cultivation of healthy plants, (b) usage of biological pest control techniques, (c) monitoring, (d) trinaing of farmers, (e) usage of plant growth promoting rhizobac-teria, (f) palnting of lemon seeds by Batin Sembilan.

Conclusion

The training workshops helped to empower the Batin Sembilan in the Harapan Rainforest to establish and utilize homegardens for a better food security status.