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An aerial photograph showing a small village with several buildings, including a church with a dome, nestled in a lush green forest. In the background, a large, hazy mountain rises against a cloudy sky. The village is surrounded by dense tropical forest, and a road winds through it. Two communication towers are visible on the right side of the village.

ENRICHING LOCAL COMMUNITY INSIGHTS WITH THE CONCEPT OF A GREEN ECONOMY

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Landscape of Hulu Gurung Sub-District.

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Communities in Mentawit Village were enthusiastic participating Internal Control System (ICS) Training as an agreed approach to escalate their rubber price.

DEVELOPING COMMUNITY POTENTIAL

WWF-Indonesia and IKI agreed to implement a green economic concept amidst the community of Kapuas Hulu District. The Green Economy Program that was launched by the Kapuas Hulu Government in Putussibau on 19 April 2016 was directed to seven sub-districts in the Agropolitan District Strategic Area

(ADSA) of Kapuas Hulu, namely Empanang, Semitau, Seberuang, Hulu Gurung, Silat Hilir, Silat Hulu, and Pengkadan.

The echo of green economy grew stronger after a Green Economic Workshop involving indigenous peoples, governments, academics, and NGOs was held in Lanjak Village, Batang Lupar Sub-district, Kapuas Hulu District, on 29 November 2017. In addition to academics and governments of two countries (Indonesia and Malaysia), WWF Indonesia also presented representatives of local communities who received WWF's Community Assistance Program, to share their successful stories in natural resource management, including rubber Internal Control System (ICS), salted fish ICS, ecotourism, village governance, cultivation of agarwood, and the *Tagang* fish population control system.

Beginning with the Lanjak workshop, green economic concept was implemented at the grassroots level. WWF implanted program instruments in village pilot projects through strengthening its community capacity. As a first step, it began with introducing the IKI Community Development Program to the village governments and communities in a gathering held on 11-18 January 2018.

The activities held since that time to the present is reported in this volume in clusters based on activity types.

Introducing the IKI Program

To improve public knowledge of the green economy and the IKI Community Development Program, and to build community's desire to improve their socio-economic conditions based on sustainable resource utilization, WWF conducted socialization of its activities that took place from 11-21 January 2018.

Out of the seven sub-districts that are parts of the Kapuas Hulu ADSA, five villages in the heart of Kalimantan were selected as demonstration villages. The villages include Miau Merah in Silat Hilir Sub-district, Laja Sandang in Empanang Sub-district, and Lubuk Antuk, Kelakar, and Mentawit villages in Hulu Gurung Sub-district.

The objective of the WWF visits was to introduce the IKI Community Development Program in Kapuas Hulu. The WWF team visited five villages in the sub-districts of Silat Hilir, Empanang, Semitau and Hulu Gurung.

Introduction of the IKI Community Development Program was facilitated by Adriani Aliayub, assisted by Arpansyah and Suci Cisika Putri. The activity was held from 11-21 January 2018 (10 days) including travel time.

Adri Aliyub, Community Empowerment Coordinator - IKI Project, is presenting Good Agricultural Practices to communities in Hulu Gurung Sub-District.



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The visits to introduce the IKI Community Development Program was headed by Adriani Aliyub as facilitator from WWF and two community organizers from Pontianak. Other participants were from the village consisted of village government officials, community leaders, women group, oil palm independent growers, and youth groups totaling about 10-15 people in every meeting.

In the meetings with the village communities WWF Indonesia attempted:

- to convey the intent and purpose of the assistance provided by the IKI Community Development Program, in accordance with the recommendations of expert consultant in reference to existing potential resources that can be developed in the target villages.
- to explain the IKI Community Development Program conducted by WWF was in support the Kapuas Hulu District government in the implementation of economic development policy (the agropolitan) in accordance with development and spatial plan of Kapuas Hulu District.
- to explain to meeting participants the concept of assistance and the results to be achieved i.e. management of natural resource and development of existing potentials with green economy approach.
- to gather information directly from village officials and community groups regarding the potential of natural resources and their utilization in the village.
- to identify economic potentials to be developed as sources of community income.
- to encourage increased community capacity according to the needs of the group and capacity and objectives of the project and the assisting agency.

- to gather input from village officials and community groups about the important matters to develop together between the assisting agencies, the villages, and the community governments.

Training to Strengthen Communities' Institution was implemented to increase productivity and marketing.



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In general all the villages that were visited welcomed the team visit and provided a very good response to the assistance offer. They also hoped this assistance activities could develop the potentials in the village and improve the economy of the community without compromising the quality of the environment. Briefly, the process and outcome of the meetings with village officials and community groups in the six villages were as follows:

On Friday, January 19, 2018 the Facilitator presented to the team meeting the results of the team visit to the 6 target villages. It was agreed that the target village that would be assisted in the IKI Community Development Program were as follows:

- Sebangkang Hamlet of Laja Sandang Village, Empanang Sub-district. The project would deal with development of forest management, enrichment of tembawang (agroforestry), environmental services, and alternative economics.
- Lubuk Antuk Village, Hulu Gurung Sub-district. The activities includes development of ecotourism within the sub-district (including 3 villages), development of agricultural business, community organizing and improving capacity of village officials and community groups.
- Miau Merah Village, Silat Hilir Sub-district. The activities includes organization of oil palm independent growers, development of cooperative institutions, increasing the capacity of farmers, and developing the market network of farmers' plantations.
- Tuak Abang Village, Semitau Sub-district. The activities includes community organizing, development of the natural resources management institution, enrichment of tembawang, and development of alternative economic resources.

Discussion with oil palm smallholder farmers in Miau Merah, Silat Hilir Sub-District to identify obstacles on the ground.



Socioeconomic Baseline Study

In preparation of implementing the assistance activities WWF team conducted a basic socio-economic survey on five elected villages namely Miau Merah, Laja Sandang, Mentawit, Lubuk Antuk, and Kelakar. The survey was carried out from 9-19 April 2018.

The objective of the survey was to collect information and data as well as conduct focused group discussion (FGD) in 5 (five) villages, in order to prepare a baseline socio-economic profile in those villages.

The survey was directed by Adriani Aliayub and assisted by Hermas Rintik Maring. The team was also supported by technical personnel consisted of Arpansyah, Anong Thea Ananda, Putri M Sonia, and Isniatul Fadillah.

The 5 villages together sent 15 members to join the survey. Each village sends 3 representatives, and WWF provided 3 (three) advisers to assist them. Before starting the survey those 15 people were first trained by an expert on how to use the questionnaires and retrieve information resulted from the focus group discussion.

The methods used in this survey were structured interview (questionnaires) with the informants and focus group discussions to verify the results of the interviews.

PLANNING AND EVALUATION

Preparation of A Participatory Activity Plan

The approach that was adopted by the IKI Community Development Program in Kapuas Hulu was encouraging assisted communities to play maximum role in all assistance activities. To achieve its objectives the community needs to be trained on how to actively participate in community development activities in their own environment. This preparation of activity plan conducted in Mentawit, Kelakar, Lubuk Antuk, Miau Merah, Tuak Abang and Laja Sandang villages lasted from 17 – 27 March 2018.

The purpose of this activity was to conduct community meetings in those six villages in order to develop a joint activity plan based on potential of the village and in accordance with the objectives of IKI Program implemented by WWF Indonesia, as well as objective of development in District Strategic Area (*KSK*) of Kapuas Hulu.

The participatory activity plan process was coordinated by Village Facilitators who participated in the village facilitator training some time ago (22 February – 1 March 2018), and accompanied by 5 Staff of WWF Indonesia West Kalimantan.

The participants consisted of members of village community where the activities took place, and the number of participants was maximum 30 representing various age groups, gender, administrators of productive business groups, and representatives of village officials.

The method used in the preparation of this activity plan was open discussion using SWOT as tool. The activity was expected to convey sufficient information in order to produce good and applicative plan.

The assistance activities ran according to plan, and agreement was made that:

- Assistance activity for organizing farmers groups in 5 villages in the the second week of April 2018;
- Survey and preparation of socio-economic base line data in 5 assisted villages in April 2018.

Ibu Ilahang, a facilitator for training of increasing production and rubber plantation management, was discussing the representatives of rubber farmers in Hulu Gurung Sub-District.



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Evaluation of Group Activity

The IKI Community Development Program wishes that village communities have sufficient capacity to develop themselves independently without relying on help from other parties. To achieve these objectives, intensive assistance is required. Such action is necessary to ensure that all planned activities compiled by WWF as assisting partner will run smoothly and soundly, and ready to be evaluated periodically. The assistance lasted from July 23 – July 31, 2018.

The purpose of this assistance was to hold meetings with community groups in 5 (five) villages, in order to evaluate the group activities that had been compiled last February 2018 for a period of 6 months (February – June 2018), and to assist those communities in preparation of activity plan for the next 6 months (July-December 2018).

The person in charge of this activity was Adriani Aliayub assisted by Anong Thea Ananda. The objects of the evaluation were community groups in the villages of Miau Merah, Lubuk Antuk, Mentawit, Kelakar, and Laja Sandang.

The process of evaluating past performance and planning of activities that the community groups would do for the next six months was as follows:

- The village of Miau Merah: meetings with group leaders did not succeed because most worked outside the village, but agreed the meeting would be held again by the end of August 2018.

- Lubuk Antuk Village: The meeting in Lubuk Antuk lasted for two days. The first day with the ecotourism development group, and the second day with the rubber farmer group.
- From the results of the discussion of WWF with farmers also formulated the activity plan for the next 5 months.
- Kelakar Village: The meeting with the farmer groups in this village was conducted in Nanga Laki Hamlet at the residence of the farmer group chairman, attended by the caretaker and several group members and village facilitators. Legal document of farmer groups formation was still in progress. In this meeting, the farmer groups and WWF explored the problems and solutions related to formulation of the work plans for the period from August to December 2018.

The problem faced by the farmer groups were: (1) low latex produced by rubber trees; (2) rubber trees dying and often fall; (3) No fertilizer or toxins to overcome pests and diseases; and (4) Low knowledge on proper plantation management and tapping techniques. As a solution the group asked for a training on correct rubber maintenance techniques as well as production of natural fertilizers to reduce the purchase of fertilizer and pest control drugs.

Departing from the discussion the farmer groups and WWF made plan for another joint activities.

- Mentawit Village: The meeting was held in the residence of the Head of Mentawit Timur hamlet, Mr. Abu Bakar. Previously Mentawit village experienced a delay in group creation but now the group had organized a group of rubber farmer group and the legal document was in process. Similar to other villages, Mentawit farmer groups also attempted to produce activity plans for the future.
- Laja Sandang Village: Community assistanship activity in Laja Sandang village was directed Sebangkang, a hamlet surrounded by oil palm plantations. However, because the community at Sebangkang was occupied with traditional ritual to open new agricultural land, discussion and preparation of its Work Plan activity that was scheduled for July – December 2018 had to be postponed until the end of August 2018.

As a result, the assistance activities conducted in Lubuk Antuk, Mentawit, and Kelakar villages went satisfactorily according to plan, but for the village Miau Merah and Sebangkang hamlet this activity was postponed until August 2018.



Socialization on Spatial Planning District Strategic Area Agropolitan.

PROVIDING ASSISTANCE IN FIVE VILLAGES

Providing Assistance to Business Groups in Five

In previous meetings WWF team received information that local communities already formed various groups such as farmer group, fisherman group, cooperatives etc, but most were not well managed and did not create positive impact on their members. To solve the problem, the IKI Community Development Program carried out assistance activities that took place from 24 May – 1 June 2018. Implementation of this activity was only followed by 4 villages (Mentawit, Kelakar, Lubuk Antuk, and Miau Merah), because Laja Sandang village that was busy cultivating their rice fields could not join the program.

To develop effective assistance practices that would be accepted by the community voluntarily the WWF team planned to hold meetings with community business groups in the 4 (four) villages to discuss ways of strengthening group institution, business capacity and management skills.

The meeting was facilitated by Adriani Aliayub and assisted by Syahirsah, Andi Fahrizal, the secretary of Hulu Gurung Sub-district, Village facilitator and farmer group managers from 4 Villages assisted by the program. Other participants consisted of members of the village community, management of productive business groups and representatives of the village officials. The methods used in these meetings were in-depth interview with local leaders and focus group discussion on various important issues experienced by the communities.

The assistance activity was conducted in 3 separate sessions:

- The first session was conducted with the community of Mentawit village, and the purposes was to clarify different interpretations of the assistance activities.
- The second session was conducted with the Farmers group administrators of Miau Merah, Lubuk Antuk, Kelakar and Mentawit villages. The goal was to provide technical assistance and deal with the agreed activities that had been compiled. The agreed activities included organization of farmer communities, group formation and the creation of legal document on the formation of farmer groups.
- The third session was a focus group discussion (FGD) and concluded with having daily fasting dinner together. The focus group discussion was held in the Office of Kelakar Village and attended by 12 village facilitators and 8 coordinator and managers of rubber and vegetable farmer groups from Lubuk Antuk, Kelakar, and Mentawit villages.

At the conclusion of assistance meetings WWF and the local communities agreed to embark on the following activities:

- That village facilitators would continue to assist the village and community governments in identifying community members who had not yet enrolled in the group and provided to them an understanding of the importance of groups formation for the farmers.
- The village facilitators and group managers together affixed their approval signatures in the group formation minute, than the Village Head and Agricultural Extension Officers of Hulu Gurung Sub-district affixed their signatures as witnesses.
- All parties concerned agreed to have the next assistance activities in July and August 2018.
- After the discussion was completed the event was closed with having a friendly dinner marking the opening of the Moslem's daily fasting.

The upcoming assistance session would be filled with organizing the group formation and the creation of activity plan for the next 3 months (July, August and September). Further activities would commence in the first week of July after the West Kalimantan Governor Election.

Hari Arti, Project Manager Sustainable Land Use & Green Economy-Heart of Borneo of WWF Germany, was meeting oil palm smallholder farmers in Miau Merah Village, Silat Hilir Sub-District to hear firsthand from them on challenges encountered on ground.



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Providing Assistance to Palm Farmer Group in Miau Merah Village

The IKI Community Development Program focuses on increasing the capacity, knowledge and skills of the community in developing economic activities oriented towards green economy and sustainable natural resources management. To achieve these objectives WWF decided to offer technical assistance to Miau Merah independent oil palm farmers in Miau Merah Village of Silat Hilir Sub-district

The purpose of this activity was to facilitate meetings with oil palm farmers in Miau Merah Village. The meeting was intended to find ways to revitalize this group after being inactive since its formation.

The facilitator of this activity consisted of three WWF staff: Markus Lasah, Adriani Aliayub, and Erik Somala, assisted by Kartini (local facilitators), and

Officials of the village government. The participants consisted of oil palm farmers of Miau Merah Village.

Methods used in this activity: presentations from WWF and discussion with the participants.

As a follow-up of the assistance activities, the farmer group of Miau Merah Village agreed to the following:

- WWF would continue to provide assistance for development of the the new groups;
- WWF future assistance activity would be done in reference to the Follow-up Plan that the group had prepared.



A group photo with communities of Sebangkang Sub-Village, Empanang Sub-District in a nursery purposed to support agroforestry in the area.

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Providing Assistance to Agroforestry Group in Sebangkang Hamlet

The IKI Community Development Program focuses on increasing the capacity, knowledge and skills of the community in developing economic activities oriented towards green economy and sustainable natural resources management. To achieve these objectives WWF decided to offer technical assistance to agroforestry group in Sebangkang Hamlet, Laja Sandang Village, Empanang Sub-district, Kapuas Hulu district.

The purpose of this activity was to facilitate meetings with agroforestry group in Sebangkang. The meeting was intended to find ways to assist this group who wanted to keep their forest environment safe, but needs additional income from the forest to help the farming families.

The facilitator of this activity consisted of three WWF staff: Markus Lasah, Adriani Aliayub, and Erik Somala, assisted by Kartini (local facilitators), and

Officials of the village government. The participants consisted of rice farmers of Sebangkang.

Methods used in this activity: presentations by WWF and discussion with the participants.

As a follow-up of the assistance activities, the agroforestry group of Sebangkang Hamlet agreed to the following:

- WWF would continue to provide assistance for development of the the new group;
- WWF future assistance activity would be done in reference to the Follow up Plan that the group had produced.

A group photo in the agroforestry area which is also source of clean water that support the community of Sebangkang Sub-Village, Laja Sandang Village, Empanang Sub-District.



Tourism potential in Hulu Gurung Sub-District is survey collaboratively with Tourism Operator Group Hulu Gurung, representatives of tour operators and Head of BAPPEDA Kapuas Hulu (Regional Planning Agency).



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Identification of Tourism Potentials in Lubuk Antuk Village and Beluan Hill

Lubuk Antuk Village was one of the three villages located in the Beluan hill area. This village possessed unique natural resources and diversity of population activities such as agriculture, rubber plantation, arwana fish ponds and various cultural aspects that could be made as interesting attractions of local and regional tourist destination.

To develop this area into an environment-based tourism, it was necessary to identify the potential of flora and fauna and culture in the area of Lubuk Antuk Village and other villages around Beluan hill. It was necessary as a basis and reference in developing a plan for development and management of eco-based tourism in the areas.

The objective of this activity was conducting a survey of potential tourism areas that included: natural resources, biodiversity, and socioculture of the people of Lubuk Antuk Village and other villages around Beluan Hill area, in Hulu Gurung Sub-district, Kapuas Hulu District.

The facilitator of this activity was Adriani Aliayub assisted by Arpansyah and Anong Thea Ananda (organizing activities), Udyansyah (photographer), Andi Fachrizal (process registrar), 18 members of the Lubuk Antuk Village Tourism Management Group, 4 government representatives of Lubuk Antuk Village, local leaders, and members of the community in Lubuk Antuk Village.

The survey was conducted by 16 surveyors consisted of 5 staff of WWF Indonesia (photographer, process Registrar and organizing activities), 5 members of the Lubuk Antuk Tourism Management Group, 2 representatives of Tepuai Village, 2 representatives of Landau Kumpang Village and 2 participants from *Kelompok Pengelola Pariwisata (KKP)* or Tourism Management Group of Beluan hill.

The methods that was used in this activity included group discussions, interviews with citizens or community leaders, and field observations. The identification activities were conducted from November 15 – 19, 2018 in the villages of Lubuk Antuk, Tepuai, Landau Kumpang, and in the area around Beluan hill in the District of Hulu Gurung.

Identification of tourism potentials for 5 days in Lubuk Antuk, Tepuai and Landau Kumpang villages are provided the following results:

- Natural Tourism Potential: There were exotic flora such as *bunga bangkai* (*Amorphopalus sp*), various *kampong* fruits such as *Durian*, *Buah Laki*, *Gitak*, *Sontit*, *Dara*, *Linang* etc. For Fauna, the survey also found *ular runtup daun* (viper), bear (traces of bears), *Tingang* (Hornbill) and *Murai Batu*. Interesting panoramas were identified:
 1. Sarai Dalit (Dalit fall) level 1-7. Level 1 about 8 m high, Level 2, 3, and 4 about 75 m, and Level 5, 6, and 7 about 70 m high.
 2. Fom Temilas hill we can see beautiful view of Ampan hill, Senara hill, and the cloud cover panorama.
 3. Sarai Ladak Nyuruk is called by that name because the stream of Ladak river flows into rock crevices downstream.
 4. Irrigation of Ladak One
 5. Bedogak rock bolder in the middle of rice field.
 6. Liang Engkalalang (cave), which has a depth of 25-30 m, home of colony of bat.
 7. Liang Ladak Nyuruk (cave) 10 m deep.
 8. Sarai Lopu (water fall) with a height of 15 m
 9. Sarai Buloh with a height of 6 m.
 10. Sarai Seriyen, a height of 6 m.
- Cultural Tourism Potentials: cultural attractions such as *Kata Sirin*, *Natang Kata*, *Ijab Kobul*, *Gutin Rambut*, dan *Tumbang*.
- Music instruments in the form of *Tawak*, *Tar*, *Gambus*, and *Gondang*. And dances like *Belangkah* and *Pencak Silat*.
- Handicrafts such as *Capan*, *Songang mats*, *Ronjung* etc. There are also folk games like *The Impak Basin*, *Bakah*, *Yeye*, *Reyu* etc.
- Man made tourism potentials: Ulu Buluk retention basin since 2016, 102 ha of paddy fields since 1971, arwana fish ponds since 2010.
- Culinary Tourism Potential: traditional foods such as *Sambal Sumpak Asam*, *Temet*, *Umbut Ransa*, *Sauteed Kangkong* and others. There are traditional snacks such as *Limpin Ayak*, *Basung* and *Roti Gamat*.

Follow up actions were planned to be executed in the near future.

- Ecotourism Management training in Lubuk Antuk Village
- Further study visits to famous tourism destinations.

Integrating community empowerment activities with government's program on BUMDes (Village-Owned Enterprise) in Hulu Gurung Sub-District.



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Workshop of BUMDes Establishment in Hulu Gurung Sub-district

The majority of the people of Lubuk Antuk, Kelakar and Mentawait had a main job as rubber tapper. But, because they still used traditional technique the quality of rubber products was low and sold to rubber processing plant also at low price. To improve rubber quality and obtain a better bargaining position the rubber tappers wished that their product to be marketed by a village owned enterprise.

This enterprise would buy wet rubber products from rubber tappers then process them into dry rubber and sell them to rubber processing plant or company. Some part of profit from the sale was to be returned to rubber tappers as incentive. To discuss the wish of the community and village government IKI Community Development Program scheduled a semi-workshop to be held from October 29 – November 2, 2018 at Santika Puri Hotel in Sintang.

The objective of this activity was to assist the local business enterprises and the village governments to organize a semi-workshop on establishment of a BUMDes for 3 villages in Hulu Gurung Sub-district. The semi-workshop would involve village government officials, Village Representative Body, Chairpersons of ICS groups, village facilitators ((Lubuk Antuk, Kelakar, Mentawit) and Head of Hulu Gurung Sub-district.

The workshop was facilitated by Adriani Aliayub assisted by two staffs of WWF, Arpansyah and Anong Thea Ananda. The Head of Hulu Gurung Sub-district was appointed as resource person and adviser. The participants were 20 individuals consisted of eight people from Kelakar, 6 from Lubuk Antuk, and 6 from Mentawit.

The semi-workshop was held at Sartika Puri Hotel in Sintang. The speaker presented a variety of village potential that could be developed as commodities managed by BUMDes. Then the participants were invited to discuss and explore challenges and obstacles when the idea of establishing the BUMDes in those three villages would come into reality.

The Semi-workshop was successfully concluded with the following results:

- Improved public understanding on the importance of maintaining the quality of rubber products through the application of the Internal Control System.
- Improved public knowledge that by selling rubber through BUMDes would stabilize rubber price and relieve farmers' worry as the BUMDes would take the marketing business for them.
- The community realized that BUMDes could provide added value in the forms of rewards and incentives for its members.
- All of the representatives from the 3 assisted villages agreed to immediately endorse the formation of one rubber BUMDes to represent those their villages.

Establishment of BUMDes Bersama in Hulu Gurung Sub-district

To follow up on the result of previous semi-workshop on formation of BUMDes held between October 29 – November 2, 2018, another meeting was held in which the IKI Community Development Program sent WWF assistance team to finalize the establishment of “BUMDes Bersama” in Hulu Gurung Sub-district. The meeting lasted from November 28 – December 3, 2018.

The goal was to provide assistance to finalize establishment of the Bumdes Bersama (BUMDes Union) for three villages in Hulu Gurung Subdistrict and to conduct assistance to strengthen the rubber farmer group in those three villages.

The facilitator of this activity were Anong Thea Ananda (organizing activities) Erik Somala (Registrar of Processes), Camat of Hulu Gurung (resource person), Economy and Development Section Head of Hulu Gurung sub-district (speaker). Participants consisted of village heads and Village Representative Body of Kelakar and Lubuk Antuk, 18 members of rubber Farmer Group (ICS) Lubuk Antuk, 10 members of Rubber Farmer Group (ICS) Mentawit.

The result of this assistance activity was the formation of BUMDes Bersama for three villages (Lubuk Antuk, Kelakar, and Mentawit) with management structure consisted of:

- Protectors and advisors: (1) *Camat* of Hulu Gurung; (2) Village Head of Lubuk Antuk, Kelakar, and Mentawit.
- Supervisor: Village Representative Body of Lubuk Antuk, Kelakar, and Mentawit.

- Manager
 1. Chairman: Agus Sumarno;
 2. Secretary: Sapardi;
 3. Treasurer: Yurmansyah.

The assistance activities that had been implemented would be followed by:

- Preparation of PerDes (Village Regulation) and AD/ART (Internal Rules) – Week I in December 2018;
- The introduction of BUMDes to the community – week II December 2018;
- Tax Identification Number (TIM) application – week IV December 2018;
- Notarial Registration – Week IV December 2018; and
- First *bokar* sale - at the beginning of December 2018.



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Rubber farmer group had a cross visit to Labian Village, Batang Lupar Sub-District to collaboratively learn rubber.

Study Visit to Labian village in Batang Lupar Sub-district

After completing the training on system and institution of ICS, The IKI Community Development Program invited rubber farmer group assisted by WWF to make a visit to a farmer group who already acquired advanced knowledge in processing of rubber product, so they could directly see the process of plantation management and production practices. This visit lasted for 2 days from September 24 – 25, 2018.

The objective was to organize a study visit by rubber farmer groups of Lubuk Antuk, Kelakar and Mentawit villages, Sub-district of Hulu Gurung, to rubber farmer group at Labian Village, Batang Lupar Sub-district, District of Kapuas Hulu.

After looking at those examples the farmer groups of those 3 villages were expected to:

- Understand the upkeeping process of rubber plantation that satisfies the quality standards according to principles warranted by the system and institution of the ICS (Internal Control System).
- Understand good practices of rubber processing techniques beginning with tapping until drying.
- Understand and comprehend the dynamics of organizing members of the rubber farmer group.
- Know and understand the process of finding markets and negotiating rubber prices.
- Know and understand the process of forming quality assurance institution (Internal Control System).
- Know and understand the process of making internal agreement on quality standard of clean rubber.

The person in charge of the activities was Adriani Aliayub assisted by Markus Lasah, Radius Haraan, Arpansyah, Anong Thea Ananda, Rosalia, and Surjono. Participants from the rubber farmer amounted to 21: 7 from Kelakar Village, 7 from Mentawit Village, and 7 from Lubuk Antuk Village. As the host of the event the Barese rubber farmer group of Labian village, Batang Lpar Sub-district, sent 9 participants.

To get maximum information for participants of the study visit, the methods was compiled as follows:

- One by one the rubber farmer groups from three villages of Hulu Gurung Sub-district introduced themselves, then they continued to state the intent and purpose of the study visit.
- The management of Barese Center for Rubber Farmer Group and Center of ICS Rubber of Labian Village, Sub-district Batang Lpar, presented various activities that had been done by the groups, beginning with the group formation, ICS training, up to process and results of the sale of group rubber product.

The study visit to Labian Village lasted for two days as follows:

- September 24, 2018: At 07.00 AM WWF team and participants departed to Labian Village which took 5.5 hours. In the village the guest met with participants from Tepuai Village and administrator of Barese rubber farmer group to discuss how the the Labian Village rubber farmer group manage their rubber plantation. The meeting proceeded to discuss how the rubber farmer group at Labian organized the ICS, their twist and turns in maintaining group integrity, successfully sale of bokar to the factory, and concluded with discussion of ICS Inspector role.
- September 25, 2018: The visitors made a field trip to visit the storage shack and the rubber drying racks managed by Labian BumDes. The participants could see for themselves example of a completely dry and odorless rubber, and rubber

tapping knives used in Labian village. Then, the trip continued to visit the plantation of Mr. Yosef Unja, one of the ICS members. The participants could see an examples of a plantation that satisfied the ICS standards ranging from cleanliness, mortar location, direction of cutting, control of plant disease, and method of drying.

As a result of this visit, participants from Hulu Gurung Sub-district became motivated and wanted to learn more about implementation of ICS standards. The participants watched and understood the practice of rubber plantation management that suited the ICS standard.

After returning to their own village the participants were expects to produce schedule of group or ICS activities to be implemented, such as:

- Preparing the structure of village-level ICS organization (October 2018).
- Selecting two ICS Inspectors from each group (October 2018).
- Conducting training for ICS Inspector (mid October 2018).
- Introducing the ICS organizational structure to all members of the group (after the training of ICS Inspector).
- In November the group should begin producing the ICS standard rubber.

Study Visit to “Rimba Harapan” Oil Palm Farmer Group at Merarai Village

The IKI Community Development Program focuses on increasing the capacity, knowledge and skills of the community in developing economic activities oriented towards green economy and sustainable natural resources management. To achieve these objectives, WWF facilitate the a study visit by oil palm farm group of Miau Merah village to “Rimba Harapan” oli plm farmer group at Merarai Village in Sintang District.

The purpose of this visit was to make palm farmers from Miau Merah know and understand the process of building group institutions, community organizing, plantation management techniques using in-group control, opportunity to obtain fertilizer distribution, marketing mechanism of oil palm products, and network building with other parties (companies, governments and support agencies).

Facilitator of this visit were Markus Lasah assisted by Erik Somala and Surjono from WWF. Visiting participants were village officials and oil palm farmer from Miau Merah. This visit lasted from 15 -20 November 2018

Methods used in this activity: presentation of both groups, discussion within each group and free discussion among farmer group members, and field visits to see the palm plantation in Merarai village. Time of visit was from 15 - 20 November 2018

The study visit conducted by Sawit Mandiri palm farmer group of Miau Merah Village to Merarai Village in Sintang District provided important knowledge to distinguish the condition of plantation that did not apply the GAP compared to plantation that already implemented the GAP standard, as was the case shown by members of Rimba Harapan in Merarai Village. The difference occurred at spacing, fertilization, types of clones of palm plants and Fresh Fruit Bunch production results. The task and function of each group personnel went well in accordance with the Internal Rule of Rimba Harapan group.

The follow-up of the study visits to Merarai Village were as follows:

- The Sawit Mandiri oil palm farmer group of Miau Merah village would carry out the GAP training on December 10 -12, 2018 in Miau Merah village;
- The Sawit Mandiri oil palm farmer group of Miau Merah would carry out the ICS training on December 13 – 15, 2018 in Miau Merah Village.

Providing Assistance to “Bukit Tugak Jaya” Agroforestry Group at Sebangkang

The IKI Community Development Program focuses on increasing the capacity, knowledge and skills of the community in developing economic activities oriented towards green economy and sustainable natural resources management. To achieve these objectives, intensive assistance is needed through providing assistance to agroforestry group in Sebangkang, the “Bukit Tugak Jaya” group to develop agroforestry as a way to protect the forest and provide additional work and income to help the farming families.

The purpose of this assistance was to help rice farmers of Sebangkang Hamlet know and understand the process of building group institutions, community organizing, plantation management techniques using in-group control, opportunity to obtain fertilizer distribution, marketing mechanism of agroforestry products, and network building with other parties (companies, governments and support agencies).

Facilitator of this visit were Markus Lasah assisted by Erik Somala and Surjono from WWF. Participants in the activity were village officials and rice farmers from Sebangkan. This assistance activities was conducted from 21 -28 November 2018.

Methods used in this activity: presentation by WWF, discussion with agroforestry group, and free discussion among members of the agroforestry group.

The agroforestry and mapping assistance provided by WWF to “Bukit Tugak Jaya” of Sebangkang successfully completed mapping of 62.97 ha of land belonging to members of the group that was to be developed into agroforestry project for planting various local fruits and woods for community uses.

To follow up on the successful mapping of the group land, the next step was looking for sources of tree seedling by visiting BPDAS (River Basin Management Office) in Pontianak on 17-19 December, 2018.



Planting durian and stinky bean seed in agroforestry area in Sebangkang Sub-Village, Laja Sandang Village, Empanang Sub-District.



Practice to process clean rubber to guarantee its quality.

TRAINING AS AN EMPOWERMENT MEDIUM

Village Facilitator Training

To implement development at the village level effectively and efficiently requires guidance by knowledgeable field assistants in sufficient number. Due to limited human resources owned by WWF Indonesia, it is necessary to provide a facilitator training for community members appointed by each village. These village or local facilitators would assist fellow villagers in conducting community development activities in their village in the future. The training lasted from February 22 to March 1, 2018.

The objective of the village facilitator training was to increase the capacity of community in self-organizing and to develop a plan for community activities.

The Village Facilitator Training was held from 26-28 February 2018 at Kartika Puri Hotel in Sintang. The person in charge of the activity was Adriani Aliayub assisted by Hendri Ziasmono. The whole training process was facilitated by one main trainer, Ireng Maulana MA, and one assistant trainer Erik Somala S. Hut. In addition, the activities was also supported by two technical staffs namely Abroorza, and Suci Cisika. The participants consisted of 21 community representatives of 4 villages (16 male participants and 5 female participants).

At the conclusion of the training it was agreed to pursue the following follow up steps:

- Documenting the process of the Village Facilitator Training; and
- Drafting a participatory activity plan in the villages to be held during week 3 and 4 of March 2018.

Plantation Management and Rubber Production Training

The community rubber plantation business is one of the largest livelihoods of the community in Hulu Gurung Sub-district. Therefore, capacity building and community knowledge in the managing the plantation and improving the quality of rubber produced need to be done. To fulfil this intention WWF facilitated a management training for rubber farmer group in the villages of Lubuk Antuk, Kalakar, and Mentawit that lasted from 12 – 17 September 2018.

Practice on field to increase plantation management techniques and quality of rubber production.



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The purpose of this training was the improvement of garden management techniques and the improvement of the quality of rubber product in the villages of Lubuk Antuk, Kelakar and Mentawit, Hulu Gurung Sub-district, Kapuas Hulu District.

The intended result of this training includes:

- Increased capacity and ability of the participants in management and maintenance of the plantation
- Increased capacity and knowledge of the participants in identifying types of diseases and treatment of rubber plants.
- Increased capacity and knowledge of the participants in good rubber tapping technique.
- Increased capacity and knowledge of the participants in manufacturing process of good rubber.
- Increased capacity and knowledge of the participants in controlling and planning of the plantation.

The trainer consisted of Aang Ilalang, SP (main trainer); and Erik Somala, S. Hut (Assisten trainer).

The participants of the plantation management and production training consisted of 215 as follows:

- Lubuk Antuk - 70 participants
- Village Kelakar - 65 participants
- Mentawit Village - 80 participants

The trainer presented the training material in selected topics:

- Rubber tapping (25%)
- Processing and storage Bokar (30%)
- Garden Care (20%)
- Plantation Development (25%)
- Agroforestri (10%)
- Garden Assessment (10%)

The training of plantation management and rubber production in the three villages of Lubuk Antuk, Kelakar, and Mentawit proceeded smoothly according to plan. The trainer conveyed the material completely and clearly, and the participants paid serious attention to them. The question and answer session was always filled with interesting issues that could only unfold in a free forum like this one.

Training of Rubber Quality Assurance System and Institution (ICS)

Rubber farmer communities need to know that increasing the quality of rubber production is unlikely to be left to individual farmers' perception and desires. To be successful it needs to be implemented by an institution managed professionally by qualified personnel. The system and institutional training of rubber quality assurance (ICS) was held from 21 – 23 September 2018.

The purpose of the training was urging the community create a group of quality assurance agents (Internal Control System) for rubber farmers in Lubuk Antuk, Kelakar and Mentawit villages, Sub-district of Hulu Gurung, Kapuas Hulu District.

The training was held at the Office Hall of Hulu Gurung Subdistrict from September 21 – 23, 2018. The lead person of the training was Adriani Aliayub assisted by Markus Lasah. Other support persons were Arpansyah, Anong Thea Ananda, and acting trainer was Anas Nasrullah (main trainer) and Erik Somala (assistant trainer).

The participants consisted of one village government representatives, one representative of the Village Representative Body, one Village Facilitator, and eleven administrators of Rubber Farmer Group. Participants from those 3 villages in Hulu Gurung Sub-district amounted to 46 with the following details:

- Kelakar Village - 17;
- Mentawit Village - 14; and
- Lubuk Antuk Village - 15.

The training on ICS system and institution was concluded successfully, and provided valuable result such as:

- Developing an ICS management structure for the villages of Kelakar, Mentawit, and Lubuk Antuk.
- Developing Standard Operational Procedures concerning aspects of:
 1. Planting;
 2. Maintenance;
 3. Rubber tapping;
 4. Storage;
 5. Transport; and
 6. Sales.

By achieving both objectives, the rubber ICS in three villages were ready to start operation.

After returning to their respected villages the participants should be able to create their own schedules of group activities such as conducting:

- Village meetings;
- Formation of ICS institutions; and
- Intrducing of ICS to the community.

Rubber ICS Internal Inspector Training

Rubber ICS internal inspectors assume crucial role in production of clean rubber. The role includes drafting the assessment documents, drafting supervision reports, registering lands and membership, checking of bokar (raw rubber) quality that rubber groups purchase from its members to ensure that bokar is not contaminated and its quality remain unchanged beginning with tapping, harvesting, transporting from member's place to group warehouse, and providing escort when the product is sold to rubber processing plant or company. The ICS rubber Inspector training lasted from October 14-22, 2018.

The purpose of the inspector training were:

- Building the institution that is responsible in implementing an effective and adaptive rubber ICS;
- Ensuring that the steps in implementation of the ICS are understood and carried out properly by rubber growers and members of farmers who adopt ICS in their production.
- Increasing the capacity of group members in conducting internal documentation, registration, and supervision.

The rubber ICS inspector training was held from 16 – 18 October 2018 at the Guest House of Hulu Gurung Sub-district, Kapuas Hulu District. The trainer consisted of Rasdi Wangsa, SP (Indonesian Organic Association) and Erik Somala S.Hut. The participants consisted of 3 ICS coordinators from 3 villages, 3 village official, and 36 representatives appointed by rubber farmer groups in Lubuk Antuk, Kelakar, and Mentawit villages.

Adriani Aliayub acted as facilitator of the training assisted by Arpansyah and Anong Thea Ananda, and the participants consisted of 36 representatives from each village:

The method used was introduction by the resource person, provision of training materials by trainers, discussions and Q&A., visit to foil palm farmers' plantation

The rubber ICS inspector training was running successfully and measured up to the expectations of the facilitators, trainers, and trainees. A number of follow-up steps had also been agreed particularly during the early stage of the implementation:

- Keeping special attention to the first inspection process of each village's ICS administrator;

- Providing extra care during the trial sales of clean rubber to PT Kirana Prima warehouse after going through the ICS standards procedure; and
- Promoting capacity building particularly in financial management of the rubber ICS institutions.

Training of Good Agriculture Practice (GAP) in Miau Merah Village

The palm oil industry is experiencing a rapid development in Indonesia including Kapuas Hulu District. Besides large and medium size plantations there are also small independent palm plantations managed by individuals and groups.

In reality, independent palm plantations are still not able to compete with large and medium size plantations. This is due to lack of information and understanding of palm farmers regarding palm plantation management.

The IKI Community Development Program is committed to assist them by providing good Agricultural Practice (GAP) training implemented through WWF. The training was held from 18 - 21, 2018 at the Meeting Hall in Miau Merah Village.

The training was led by Adriani Aliayub, WWF staff of West Kalimantan, accompanied by Muhammad Munawir and Markus Lasah. The team was supported by Section Head of Trantib Sub-district of Silat Hilir (speaker), Loren SP, Ukus Suryana SP, M. Isro, Erik Somala S. Hut. Anong Thea Ananda, S. Hut. and Sumaryanto SP (consultant).

The trainees consisted of:

- Member of the independent palm plantation group of Miau Merah Village (22 participants)
- Representative of Miau Merah Village Government
- Representative of Village Representative Body (BPD) of Miau Merah.
- Field Agricultural Extension Officer (PPL) of Silat Hilir Sub-district.

The full 4-day training had achieved its intended results:

- Increasing the knowledge and capacity of palm farmers about: land selection for gardening, sustainable garden management, fertilization, pest management, and selective weed control.
- Agreeing on follow-up actions that would be done, such as:
 1. Increasing in human resource capacity through study visits to be conducted in January 2019.
 2. Improving the quality of independent palm plantation through: (1) mapping; and (2) Work with the village government (February 2019)
 3. Increasing product quality through keeping record of plantation production and building cooperation with village government and palm fruit processing plant.

MARKETING OF COMMUNITY RUBBER PRODUCTS

Assessment of Community Rubber Product

When WWF conducted technical assistance while implementing the IKI Community Development Project in Kapuas Hulu it found that one of the weak points in people rubber production was in the field of marketing. To overcome this problem WWF assessed the likelihood of soliciting secure market, guaranteed rubber price, and standard quality assurance of rubber produced by the community.

The purpose of this assessment was to see the possibility of cooperating with PT Kirana Megatara Jakarta in marketing of rubber produced by local communities who obtained technical assistance from WWF.

After attending WWF conference in Jakarta, before returning to Pontianak, representatives of WWF West Kalimantan took the opportunity to visit PT Kirana Megatara Jakarta to discuss the possibility of forming a cooperation in the marketing of rubber produced by local communities who received technical assistance from WWF West Kalimantan. The visit was made on 26-28 April 2018.

During the visit, Adriani Aliyub, staff of WWF West Kalimantan met with Seeds Development Manager of PT. Kirana Megatara, Mr. Rahmat Untung at Jakarta Café in Sarinah Shopping Center Jakarta.

In this meeting discussion was made on rubber production potential of local communities that received technical assistance from WWF Indonesia in Kapuas Hulu, Sintang and Melawi districts of West Kalimantan. While the problems that those communities often encountered includes: (1) Fluctuate rubber prices that tend to be lower compared to production costs; and (2) market certainty and quality standards required by the company which was not fully understood by the rubber growers.

PT Kirana Megatara Group, had a branch in West Kalimantan named PT Kirana Prima. It also had branches in several areas of Sumatra. PT Kirana Megatara Group had a partnership program with donor organizations (NGOs) with focus on assisting rubber farmers.

After receiving information that WWF also assisted development of local community, PT Kirana Megatara saw an opportunity to form a cooperation with WWF on providing assistance to rubber farmers and marketing of their rubber product. The discussion continued to explore the method by which such cooperation would benefit both parties and communities of rubber farmers as well.

The steps that would be implemented includes:

- Drafting of a cooperation document on provision of assistance in marketing of community rubber products in the districts of Kapuas Hulu and Sintang.
- Conducting a meeting to discuss the cooperation document on 11th May 2018 at the office of PT Kirana Megatara Group in Kuningan Jakarta.

Negotiation of Community Rubber Marketing Cooperation with PT Kirana Megatara

The negotiation of marketing of community rubber product between PT. Kirana Megatara and rubber farmers represented by WWF was a follow up of the joint assessment conducted by WWF and PT Kirana Megatara last 26-28 April 2018, when it was agreed to do a follow-up discussion on May 11, 2018.

The purpose of the follow up discussion with Mr. Rahmat Untung, Seeding Development Manager of PT. Kirana Megatara Group was to follow up the result of previous discussion at Jakarta Café situated in Sarinah Shopping Center.

Acting as the facilitator from WWF were Adriani Aliyub and Faiza Libby Shabira Lubis, and from PT. Kirana Megatara as counterpart was Mr. Rahmat Untung Manager Seeding Development PT. Kirana Megatara Group in Jakarta.

The meeting discussed draft of the Cooperation in marketing of community rubber product between WWF on behalf of the farmer community and PT. Kirana Megatara as buyer of the community rubber product

Final Agreement on Community Rubber Marketing Cooperation with PT Kirana Megatara

According to previous agreement (Project #6 May 11, 2018) WWF would visit PT. Kirana Megatara again to resume discussion of the plan to sell community rubber product assisted by the IKI Community Development Program to PT Kirana Megatara. The visit and meeting was conducted on August 14, 2018 at the office of PT Kirana Megatara Jakarta.

The purpose of the visit was to present the draft of cooperation on Assistance to Rubber Farmers with PT Kirana Megatara Jakarta.

The facilitators from WWF consisted of Adri Aliyub, Anas Nasrullah, while Rahmat Untung and Rian (Seeding Development) represented PT Kirana Megatara Jakarta. The activity was held at the office of PT Kirana Megatara Kuningan Jakarta, and the date of the meeting was August 14, 2018. In this meeting, WWF's representatives presented the potential of community rubber products, then, the meeting continued to discuss draft of the Cooperation MOU between WWF Indonesia and PT Kirana Megatara Jakarta.

The presentation of production potential and development of rubber product in Kapuas Hulu District was made by Anas Nasrullah, WWF Indonesia staff in West Kalimantan, who first carried out assistance based on the Internal Control System (ICS) to rubber farmer groups in Kapuas Hulu District.

After the presentation the meeting continued with discussion of the MOU draft prepared by WWF Indonesia. In this discussion agreement was made on the improvement of certain parts of the MOU.

As a start the cooperation was valid for 1 year, starting from July 16, 2018 -July 15, 2019. Both parties would evaluate and release implementation report every 6 months distributed to cooperating partners and member of farmer groups assisted under the cooperation agreement.

This activity managed to achieve agreement between WWF Indonesia and PT Kirana Megatara Jakarta. Both parties agreed to cooperate in providing assistance on sustainable rubber farming to rubber farmer community assisted by WWF Indonesia West Kalimantan.

This MOU would be rewritten and finalized by each partner through email. The MOU would be signed together in a workshop entitled "Green Product Development in the Agropolitan Strategic Area of Kapuas Hulu District" in the middle of September 2018.



The farmers show the clean rubber produced after applying Internal Control System (ICS).

WWF-Indonesia in numbers

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Why we are here

To stop the degradation of the planet's natural environment and
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