

**YAYASAN INISIATIF PENDIDIKAN ORANGUTAN INDONESIA  
ORANGUTAN CARE CLUB INDONESIA (CPOI-SUMUT)**



**MOBILE EDUCATION CONSERVATION UNIT (3<sup>rd</sup> MECU)  
2013**



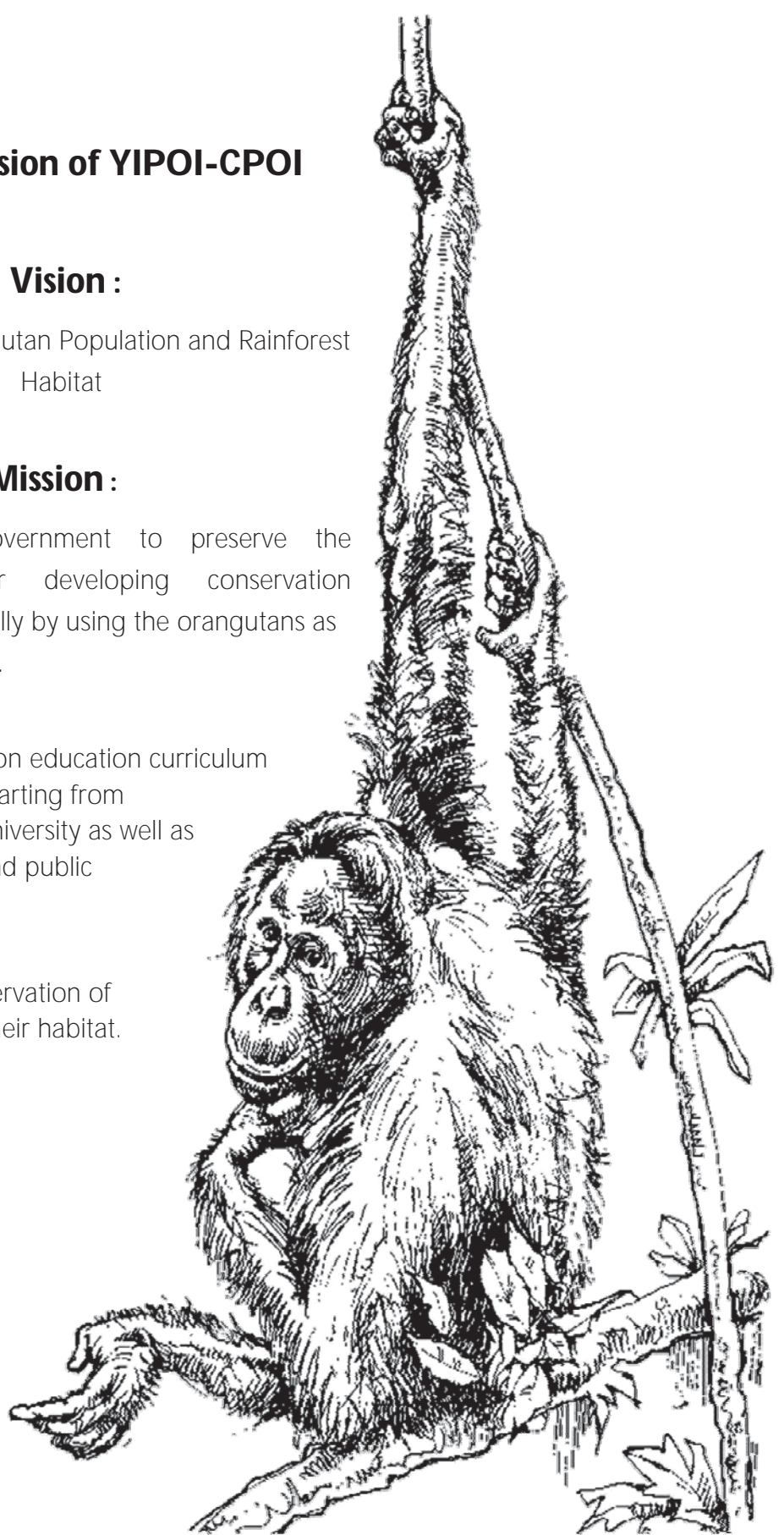
## Vision and Mission of YIPOI-CPOI

### Vision :

A Sustainable Orangutan Population and Rainforest Habitat

### Mission :

1. Helping the government to preserve the environment for developing conservation programs, especially by using the orangutans as a flagship species.
2. Design conservation education curriculum used in schools, starting from kindergarten to university as well as for associations and public institutions.
3. Research in conservation of orangutans and their habitat.





**YAYASAN INISIATIF PENDIDIKAN ORANGUTAN INDONESIA  
ORANGUTAN CARING CLUB, INDONESIA, SUMATERA UTARA**

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Photo: Map the location activities MECU-III  
 Villages : Timbang Lawan, Timbang Jaya, Lau damak, Batu Jonjong, Bahorok, Bukit Lawang.

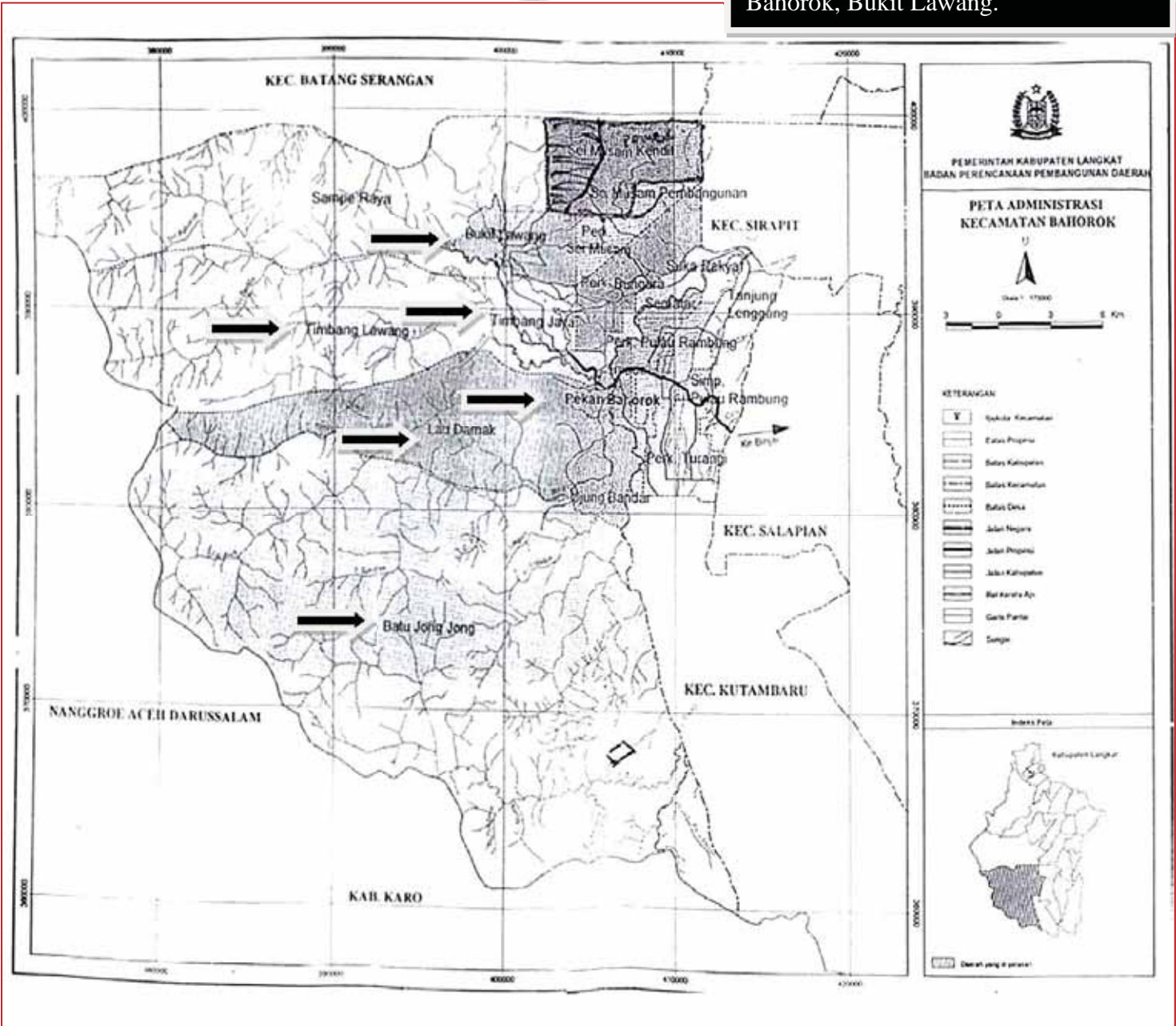




Photo: Lau Damak Village, December 5, 2013

## PREFACE

Puji syukur kami panjatkan kehadiran Tuhan Yang Maha Esa, karena dengan pertolongannya kami dapat menyelesaikan Laporan Program Mecu-III, Tahun 2013 .

Ucapan terimakasih kami yang sebesar-besarnya kepada Orangutan Republik Foundation (OURF), Gary Shapiro President Ourf, Inggriani Shapiro, Dan Benveniste, Susan Callery, Keluarga besar Santa Monica, USA Rendy, Joe, Jason, Serta US Fish and Wildlife.

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Semoga Program MECU-III ini dapat memberikan kontribusi yang positif baik terhadap orangutan, hutan, dan masyarakat khususnya di kecamatan bahorok.

Mohon maaf kami jika nama Saudara tidak kami sebutkan/tulis dalam laporan program ini.

Sincerely,

Herman Syahputra  
CPOI\_SUMUT



We pray in gratitude to the Almighty God, because with his help we were able to complete the Mobile Education Conservation Unit (MECU – III) Report.

We are grateful for the Orangutan Republik Foundation (OURF), Mr Gary Shapiro President OURF, Mrs Inggriani Shapiro, Mr Dan Benveniste, Mrs Susan Callery, Mr Randy Stringer, Mr. Joe Stringer, and Jason, and the Department of U.S. Fish and Wildlife.

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Thanks to all funding: LSM/NGO, BBTNGL Bukit Lawang, Mr Bahorok Distrik, Mr Head, the Village head in Bahorok, Cpoi Volunteers National and International for this program.

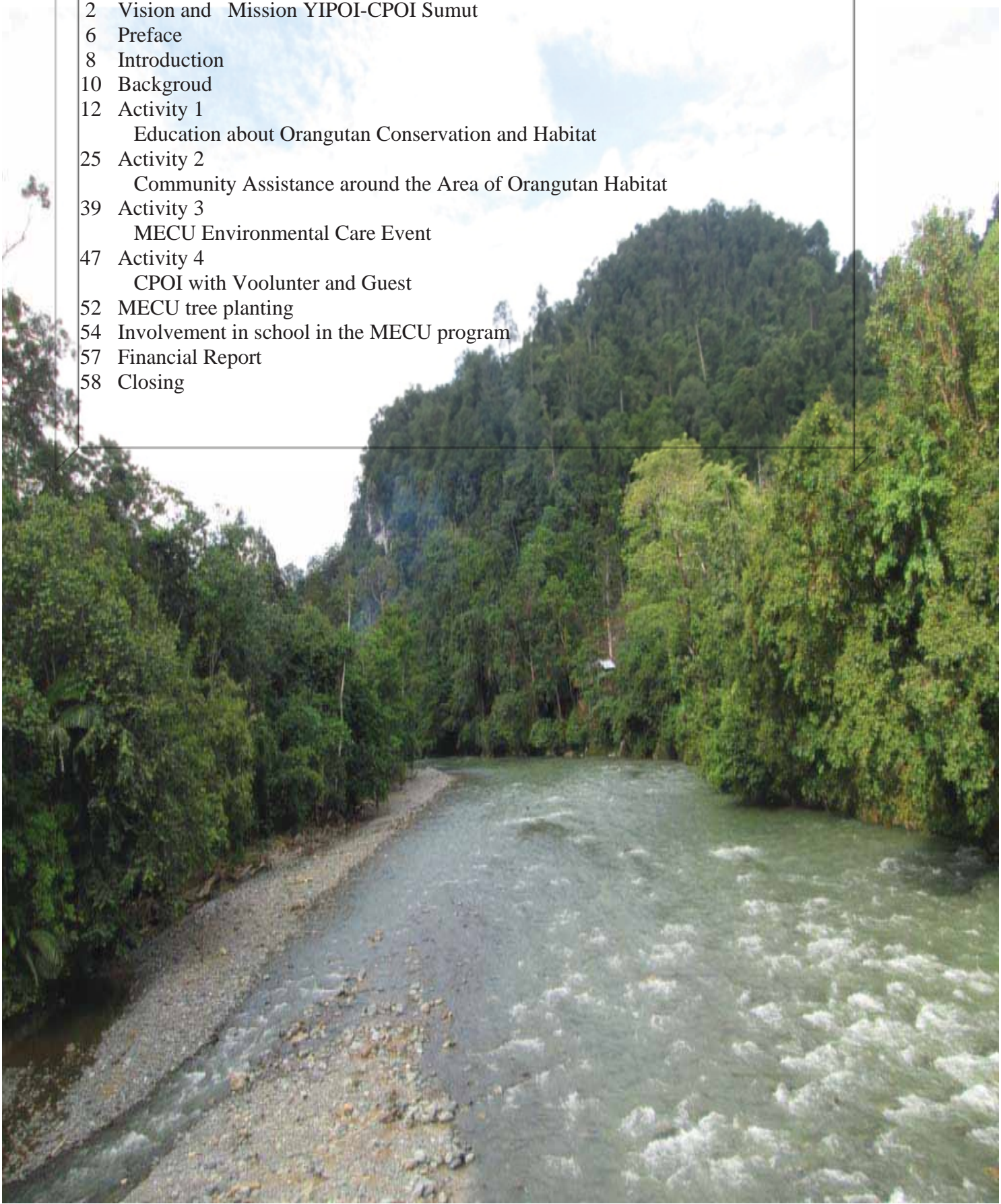
Hopefully this MECU-III Report can provide a significant contribution to the conservation of the Orangutan and establishing a Sustainable Community in the Bahorok District.

We would also like to use this opportunity to express our gratitude to the various parties that have actively contributed to production of this report.

We apologize if any names have been omitted in this report

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## **Project Report Mobile Education & Conservation Unit (MECU -III) 2013**

PROMOTING THE critical ROLE OF the ORANGUTAN in its habitat while improving THE VILLAGERS' LIFE THROUGH DEVELOPMENT OF UTILIZING FOREST AND BUSINESS SERVICES AND ECOLOGICAL FARMING

### **INTRODUCTION**

#### **BRIEF DESCRIPTION OF MECU 2013**

MECU-III is the follow up report to the 2012 Mobile Conservation and Education Unit program. In 2013, MECU's theme was Promoting Benefits of Orangutan Conservation, Forests and Environment. The Society For Rural Development Through Life Services Utilization of Forest and Ecological Farming held in the village of Batu Jonjong / Lau damak, Timbang Lawan, Timbang Jaya dan Sampe Raya where these villages are the villages of Bahorok district and directly adjacent to TNGL area that becomes the habitat of orangutans.

The program's objective is to build awareness and motivation to strengthen community participation through education about orangutans and their habitat. The program's focus is conservation and environmental management.

This year, MECU III established three major goals:

1. Promoting the development of a model school with orangutan conservation-minded education programs designed to conserve the orangutan habitat.



2. Establishing a model for sustainable village life with sustainable business practices that are in harmony with the existing ecosystem and promote habitat conservation. By promoting the development of model schools, students and teachers as well as government and villagers become a target group.
3. Continued mobilising support within the wider community of stakeholders to promote efforts to conserve orangutans, forests and the environment.

Various activities will be implemented to develop knowledge, foster awareness, and motivate rural communities about how preservation of the orangutan habitat benefits the each member of the village. Forest conservation benefits demonstrated by forest service using workable models to develop ecologically sound farming methods. The existence of these models will educate, increase awareness and motivate people to participate in preserving orangutans and their habitat. The model is expected to be realized by the public so that a large impact will be on the growth of community participation in the conservation of orangutans and their habitat.

This program applied an Appreciative Inquiry (AI) method to assist people to explore their experiences, and to formulate a vision of the village and ideal conditions of village life. This approach combined with the Field School approach that aims to help rural communities and schools to recognize their potential and challenges. The 2013 MECU program also presented a variety of information about the concepts, principles and Sustainable Development Paradigm, village life, and orangutans and the forest as a whole share a mutual relationship. The combination of the above three approaches are expected to address the root causes of orangutan conflict with humans, especially in rural communities around the forest Gunung Leuser National Park.

Our program is education based as we bring a variety of activities into the local schools. This year our Teachers and Students Club created a forum for participation in environmental protection, as well as the conservation of orangutans and their habitat. Participating schools prepared a plan based on orangutan conservation and its habitat. These schools collaborated with MECU with the goal to educate students and teachers and create environmental activities about how to improve efforts in conservation of orangutans and their habitat. MECU also assisted these schools to implement actions for environmental protection, the conservation of orangutans and its habitat.

MECU implemented a rural livelihood demonstration model that supports orangutan conservation and habitat. Among the steps discussed:

- To encourage community groups to act as a cooperative to build a model of independent economic improvement, ecological farming, with the assistance of forest services.
- To facilitate the growth of an independent development of organic cultivation, fish farming, breeding, and micro-hydro power construction in local villages.
- To further educate and improve independent business skills of local villages by investing in growing organic vegetables, ecological farming practices, fish farming and breeding, as well as the construction of micro-hydro power plants.
- To facilitate the construction of a village demonstration model dedicated to conservation efforts of orangutans and its habitat.

The MECU team has continued to work to promote and garner support for the conservation of orangutans, forests and the environment to the general public and local stakeholders. These efforts were shared with visiting tourists and journalists. Our team helped to promote Orangutan Caring Week and helped to publish and distribute essential educational publications. To raise stakeholder support, MECU stressed the importance of orangutan conservation and its habitat by hosting a community dialogue with local agencies in the Langkat county, Bahorok district.

## **The Background of 2013 MECU Program**

**O**rangutans are the only great apes native to Asia. The three other types of great apes, the gorilla, chimpanzee, and bonobo are found in Africa. Less than 20,000 years ago the orangutans could still be found all over Southeast Asia, from the island of Java in the south, to the end of the Himalayas and southern China in the north. Today the orangutan is found only in Sumatra and Borneo (Kalimantan). The vast majority of orangutans (about 90 %), are located within Indonesia. Both orangutans and humans share a preference for living in the alluvial plains along major rivers and peat swamps, so competition for these areas has resulted in substantial habitat loss. Human expansion into these areas has jeopardized the survival rate of the orangutan.

The important role of rural communities in addressing and solving community conflicts with orangutans is recognized by many parties. In some villages, orangutans have become a serious problem, but for other communities, the orangutan are recognized for the economic potential they can bring for the village. Changes in perception are needed amongst people who depend on the forest. These differences in attitudes and feelings of the people towards orangutans can be changed to positive acceptance once villages learn of the inherent benefits of conserving the orangutan and its habitat. In communities that do not utilize the services of forests and orangutans, orangutan is

perceived as a problem . Public awareness of seeing orangutans as potentially beneficial still needs to gain momentum. Many people in village communities still see the orangutan as pests that create problems. We are working to change the public perception towards acceptance and cooperation with species that share the forest. Indeed, the orangutan provides benefits to the community because orangutans play a very important role in maintaining sustainability of the forest. The forest itself provides the benefits to the community, which also serves as a buffer forest life. Unfortunately, growing awareness of the less dominant paradigm in still affects the community at large. Many villages are still affected by a lack of access to information, education, and skills needed to develop a sustainable and abundant livelihood. MECU staff has worked to establish real demonstration sites that show tangible results to contribute to the conservation of forests and orangutans that they can see for example how these conditions can be applied or developed for their own benefit.

Preserving forests and the orangutan depends on the realization of that all the elements, humans, forests and orangutans must share the same space to survive. Sustainability of life is only possible if all the participants contribute to the forest existence. The benefits can be obtained in rural communities by preserving forests. The orangutan survival depends on efforts to convince the public that they will benefit by preserving orangutans and their habitat. In an effort to offer alternatives to forest destruction, we need to build workable profitable models, or demonstration sites. From these models, communities can learn and apply these methods to transform the society at large.

We believe that taking an active role in education is crucial for the conservation efforts of orangutan and their habitat. Educational institutions have a role in shaping the character of future generations and future leaders who have ecological interests. Access to information, knowledge and skills as well as opportunities to participate and benefit from the conservation of orangutans has been very limited. We will continue to work to expand access to information, knowledge, skills beyond a small group of forest conservationists.

Previously, information about ecological patterns of life was minimal and outweighed by the paradigm of development-oriented economic growth and increased revenue. With this perspective, the trend seems to be managing nature to fuel economic growth and increased revenue, even though it causes natural degradation, loss of biodiversity and cause an imbalance of nature as happened today. The mainstream paradigm must be balanced with a sustainable development perspective that works to harmonize of all the elements of nature. In this context, public outreach plays an important and decisive role. The Mobile Education and Conservation Unit (MECU) in 2013 initiated our program “Promoting the benefits conservation of orangutans, forests and ecosystems for the whole of village life”. MECU has continued to champion the development and utilization of forest services of ecological farming. This past year we scheduled activities at community events, at local schools to promote the idea of orangutan conservation, and its effect on forests and ecosystems.

MECU conducted a series of activities, including:

Developing individual awareness, motivation and skill in recognizing patterns of environmental economics.

Nurturing the growth of community groups with teachers and students advocating for orangutan conservation and ecologically sound rural development.

Collaborating with villagers and students to understand problems and offer new ideas to create local income opportunities for the larger community that enhance and build upon environmental resources that promote orangutan conservation.

## ACTIVITY 1

### Education Based Orangutan Conservation and Habitat Activity Environmental Education in Bahorok - Langkat district

Environmental education programs will prepare the next generation with knowledge and awareness to participate in orangutan conservation efforts in sustainable environmental management. Environmental education activities have been carried out since March 2013, starting with developing partnerships in five selected schools. These schools are: 1). SMAN 1 Bahorok, 2). SMPN1 Bahorok, 3). MTsN 1 Bahorok, 4). SMA and

SMK Government Bahorok, and 5)., SMPN 1 Atap Batu Jonjong. MECU staff has worked to build an partnership with the Office of Environmental Education in Langkat , where MECU already offers environmental education in schools to prepare young people with skills and participation in Orangutan conservation.

#### The purpose of the Environmental Education Program :

1. Build understanding and support for MECU programs in local schools.
2. Establish an environmental club for students in five selected schools in the district of Bahorok. Journalism Workshop to improve student writing skills to contribute articles about the environment and conservation of forests and orangutans
3. Strengthen student motivation and creativity in writing articles on crucial environmental issues, the importance of forest conservation and orangutans.
4. Much needed education, skills training, awareness and motivation for students interested in environmental conservation, forests and orangutans.
5. Facilitate activities for student participation such as tree planting events for environmental conservation, forest restoration and orangutan habitat.

**To achieve these goals, MECU Team carried out the following activities:**

## Establishment of Student Clubs at 5 schools the Conservation Cadre environmental trainings

The formation of student clubs helped to identify students in the respective schools with interest in participating in environmental conservation activities with MECU. The MECU facilitator made visits to the students and hosted meetings to promote the establishment of clubs. MECU facilitators discussed their plans and goals, and described activities and how students could benefit and learn by being in the club. Prospective student leaders then recruited other club members.



## The Establishment of 5 Student Clubs

No	School	Group Name	Student Group Structure	Group Activities
1	SMAN 1 Bohorok (15 Students, 10 Girls, 5 Boys)	<b>OPPA</b> (Students organization of nature lovers)	Chair, Anderson Juniarta Ambarita. Vice chair , Novia Ketriena. Secretary, Agustina Wandari. Treasurer ,NerlyBr Sembiring .Mentor teachers 1. Iting Rasmita Br. Ginting 2. Ridanta Br Ginting 3. Ikhsan (081260664633)	1. Planting trees 2. Recycling trash 3. Composting 4. Extension to each class
2	SMA Pemda Bohorok (17 Students)	<b>PELITAKU</b> (Conservation of Motherland)	Chair, Mida. Vice chair , Dara Reflida. Secretary, Devi Accounting, Rahayu Mentor teachers: 1. Sada Arih (085364312777)	1. Planting trees 2. Recycling trash 3. Composting 4. Extension to each class
	SMK Pemda Bohorok (15 Students,10 Girls, 5 Boys )	<b>PELANGIKU</b> (Natural Environment Conservationists)	Chair, M. Nazer. Vice chair Lias Pintama. Secretary, Dinda Sundari/Fitria Ulfa. Accounting : Sarmila,Mentor teachers: 1. Sada Arih(085364312777)	1. Preserving forests in Bukit Lawang 2. Cultivating flowering plants at school ; 3. cleaning trash around the school
3	SMPN 1 Bohorok (15 Students,10 Girls, 5 Boys )	<b>SPLH</b> (Students Care Environment)	Chair, Umri. Vice Chair, Giffari Secretary, Fitri, Accounting, Namira. Mentor teachers: 1. Kamal (085270880656) 2.Sehat	1. Planting trees 2. Maintain cleanliness of school 3. Preserving the school garden
4	SMPN 1 Satu Atap Batu Jonjong (20 Students,14 Girls, 6 Boys	<b>Leuser Impianku</b>	Chair, Restu Wulandari Vice Chair, Tri Feby Akbarani Secretary, Rini Widia Sari Pane. Accounting, Rida Arini Mentor teachers: 1.Zainal(081263423142)	1. Planting trees 2. Recycling trash 3. Composting 4. Extension to each class
5	MTSN 1 Bohorok (20 Students,15 Girls, 5 Boys)	<b>Green Community</b>	Chair, Restu Wulandari Vice Chair , Tri Feby Akbarani Secretary, Rini Widia Sari Pane. Accounting : Rida Arini. Mentor teachers: Arman (085276153255) Ridwan	1. Enviromental clean,Tracking 2. Forest restoration



## Journalism Workshop

The Journalism Workshop was conducted to improve student writing skills and also provided a chance for students to practice writing about environmental issues, conservation of forests and orangutans.

Student groups were invited become journalist trainees. This activity was carried out by the Environmental Education Facilitator of MECU with the help of teachers in the respective schools, where we first hosted the initial stages of discussion.

In each of the school, as many as 15-20 students participated.

Material debriefing was conducted by a local Indonesian Language teacher from each school.

An article writing contest on the importance of conservation of the environment and orangutans was announced to students.



## Journalism Writing Workshop for Environmental and Orangutan Conservation



In addition to this collaborative activity, MECU joined forces with the respective schools whose purpose was to evoke a sense of love for the environment within students and provided a space for writing on the theme about the Environment. This activity was also intended to foster a sense of love and care for the environment from an early age up to the junior and senior high school students in District of Bohorok .



Hands- on training in journalism

After all writings were subsequently collected, the MECU team conducted a writing assessment. The assessment team consisted of one teacher from each school and team as well as representatives of the Department MECU P & P. The results of the assessment will be submitted to each school. Furthermore, the MECU team handed prizes directly to the winning students from each school.



Orangutan Learning Activity: Students Visit Orangutan Feeding Site



## Visit to Visitor Centre



*At the Visitor Centre, students got a briefing and basic education about conservation*

Efforts at BBTNGL were delivered directly by officers and MECU staff. In addition, students explored the audio-visual space for film screenings, especially films about orangutans and procedures for visits to the feeding site. Introductions between participants of different groups of students through the yells of each group of students and an explanation of the flow of activities to be carried out by the implementing activities and also the direction of the BBTNGL, on terrain area will be taken at once to get information about the current condition and situation of on going activities .

## Hands on Learning: Students visit an Orangutan feeding site.

Students also visited an orangutan feeding site - Bukit Lawang. In the course of the visit the participants in this study were taught about the incredible biodiversity and various species within the TNGL area. Students also learned about conditions which make forests weak and the negative impact of deforestation on people's livelihoods. Before entering the feeding area, students watched a documentary film about the importance of the forest.





The MECU team also guided the students and other participants through environmental activities such as tree planting directly in the forest Gunung Leuser National Park Bukit Lawang. Approximately 100 trees were planted in the forest, including Durian trees,

Ketapan trees, and Mahogany. The student volunteers also cleaned up trash along the road to the site and along the streams near the feeding area of Bukit Lawang.

## **Student Environment Action PLANTING TREES INCREASES OXYGEN**

**P**lants are the only natural element that have the ability to produce oxygen . Other living things need oxygen to live and release CO<sub>2</sub>. No human being can survive without oxygen. Without food or water, people can survive for a few days . But if we do not have oxygen, then they can die in a matter of seconds. This illustrates the importance of oxygen for our lives and the lives of other living beings on this earth.



Besides their role as oxygen producers, plants also have a very important role in preserving our Earth's biosphere. Everyday plants carry out the process of photosynthesis where plants absorb CO<sub>2</sub> contained in the air to be processed into sugars and carbohydrates. The ability of plants to absorb CO<sub>2</sub> also reduces the amount of carbon emissions released into the atmosphere. Scientific experts have explained that the release of carbon into the air that is not absorbed by plants will increase the amount of carbon dioxide in the atmosphere, which will in turn increase the greenhouse effect. The greenhouse effect is known to contribute to global warming and climate

change. The high amount of carbon in the air contributes to creating acid rain, which is becoming a threat to the sustainability of life on this earth.

Forest planting is one way to mitigate the effects of greenhouse gases. MECU sponsored tree planting activities and distributed 500 trees including Mahogany, Ketapang, and Tamarind trees. Meranti is concentrated in the district of North Sumatra Bohorok Langkat . Planting 500 trees will boost forest conservation and environmental restoration . We all know that trees have ecological functions as they provide oxygen that is needed for all living things. Another function of the tree is that it serves as a habitat for many species such as birds , and other types of animals . Trees also provide water absorbed from the roots - roots that penetrate the soil and provide stability against the erosion of topsoil.





*Photo: MECU Tree Planting*

500 trees were planted around the Village Road and in the National Park the buffer zone area with green open space . Student Club and CPOI worked with enthusiasm and a strong sense of caring for the environment enabling them to carry out these activities together.





## The Importance of Planting Trees

Today we plant trees ,  
Someday in the future  
We make life more meaningful,  
Leaves absorb carbon and release  
oxygen,  
Will help resolve the earth's warming  
and climate change,

Grains and fruit,  
Will improve nutrition and health,  
The tree trunk provides wood and  
Hope will build a better future,  
Interwoven roots protecting land and water,  
Will protect against floods, landslides and drought,  
Do not wait for disaster everyone,  
Come join us in planting trees

(Arrg – Department of Forestry Province North Sumatera)  
Didedikasikan dalam rangka " Tree Planting of Indonesia and  
National Month Plan in Province North Sumatera 2008"

Naration : Didim S. Ilyas, Ir. M,Si

Read Poetry : Hj. Fitri Hanum, S.Sos, MAP

Maharani /Duta CPOI-Sumut



## ACTIVITY - 2

### Community Assistance around the Area of Orangutan Habitat

At the village level, the MECU program focused on community organizing and facilitating events for villagers to learn about ecological farming and self-sufficiency. The MECU staff has also stressed the importance of creating capital as well as creating projects to promote independent -minded livelihood. The group is expected to be able to push policies that promote orangutan conservation. The end result of this program is the formation of community groups that serve to promote economic improvement, self-reliance and village conservation .

The following describes some of the assistance MECU group



1. Swadaya Masyarakat Group (Pusaka Lestari)

## Timbang Lawan Village

The Timbang Lawan Village is a village in the Bohorik district, an important center of Agricultural and Plantation life. Timbang Lawan village has a population of more than 3,727 people (BPS 2004). The village consists of 9 hamlets, one of which is the village of Pulo Pisang is located in the 8<sup>th</sup> hamlet. This hamlet of about 100 families has 95% of the people working as farmers. These Farmers cultivate rubber, cocoa, grains, seasonal fruits such as Durian, Mangosteen, and Duku.

The village of Timbang Lawan is geographically located in the buffer zone of the Gunung Leuser National Park. The village area is key to the conservation of Gunung Leuser National Park region near the Bohorok River adjacent to the tourist area of Bukit Lawang. The Bohorok river water is utilized by farmers to irrigate rice fields and farming areas that exist through primary and secondary irrigation made by local governments. Besides that, the Bohorok river water is used to irrigate fish farms which produce varieties of fish such as carp, tilapia, jurung and other fresh fish.

Their plantation society, especially the people of the 8<sup>th</sup> hamlet of Pulo Pisang, is quite extensive. About 100 hectares of land is used to cultivate plantation and fruit crops. The Sustainable Heritage Group was established in an effort to develop the natural potential that exists with the eventual goal of improving the economy for community group members.

Some of the activities that have been carried out by the MECU team include:



**a. Strengthening Community Groups**

It is very important for group members to understand the importance of the benefits of working together. As the foundation of the group efforts, reinforcement helped to share a common focus and enthusiasm.

**b. Preservation efforts for early maturing coconut (coconut quail).**

The group has several heritage trees they depend on as parent trees which need to be preserved. Early maturing coconut ( coconut quail ) has been cultivated in the area of the garden and surrounding the the cottage location of the group meetings and all the way to the location of the group's activities .

**c. The development of jurung fish farming**

Efforts to cultivate jurung fish farming have been largely self-taught, using fish caught from the wild. The MECU team has consulted with local fish farmers to assist and further expand the group's pond. They have also worked to share information and resources to boost productivity. The fish farmers have cultivated 1,000 fish this year with a fairly high selling value.

**d. Utilization of micro-hydro power for electric power**

The village uses their irrigation water flow to generate electric power. The electricity is used for lighting in the cabins during group meetings, which serves as an example of multiple functions from the fish breeding ponds to irrigate jurung.

**e. Conservation of species of Murai Batu**

Many members of the group are concerned about the danger of birds like the Stone Magpie becoming extinct because of constant hunting. The group may try to return the Stone Magpie to Bahorok, where it once originated. The conservation group sees this as an opportunity to see if they can earn money by cultivating this bird, to eliminate the need for hunting.



## Development Plan for MECU activities

1. Using a broader flow of water for micro-hydro power  
Agreements made with community groups about depths of water used for micro and hydro power.
2. Expanding the use of micro hydro water flow  
There is a stream of water, creeks Bohorok near the location of the group that the water flow is quite heavy and there are opportunities to be used as a micro-hydro is quite large .
3. Building a Nursery  
MECU plans to make a proposal with support from the government through the nursery folk ( KBR ) to build a nursery according to the needs of the group. The

cultivated plants will be allocated for reforestation and serve as habitat for orangutans. Plantation crops such as fruit will also contribute to the group's local economy. Plants to be cultivated include:

Medang	: 8000 rods
Agarwood	: 5000 rods
Durian	: 1000 rods
Rubber	: 3000 rods
Sengon	: 8000 rods

**4. Cultivation of eels**

Eel cultivation is in the planning phase where resources are still needed. This activity is expected to improve the economy of the group.

**5. Build a network with the following universities:Aspenta,Bappedas,Sumut, Dishutbun**

Continue efforts to build a network including relevant stakeholders such as the above are very important to create opportunities to be adapted to the needs of the group

**6. Creating micro lending savings and loan to jumpstart local business**

This past year (2013), this activity has been newly introduced to the group. Local support is very keen to sustain the activities of the group.

Sekretariat : Pulau Pisang Dusun VIII Timbang Lawan Village Kec. Bohorok - Langkat

The composition of the Leadership Group:

1. Protective Board and Advisory  
Head Timbang Lawan Village
2. Trustees of Board  
Kadus VIII, Timbang Lawan Village  
Umar T.  
Syu'ef
3. Companion  
Ernawati, Yanti, Ariadi (CPOI)
4. Management board  
Chair : Suriadi  
Vice chair : Mariadi M  
Secretary : M. Ali  
Accounting : Rahim  
Livestock Sector : Suhairi  
Plantation Sector : Sudarma  
Forestry sector : Mislana
5. Team
  1. Alian M
  2. Bohari
  3. Edi Mahmud
  4. Ucok T.
  5. Ucok R.
  6. M. Naser
  7. Swanda Sari
  8. Lik wardi
  9. Rahman
  10. Kardi
  11. Samsuri
  12. Yusrizal
  13. Asrel
  14. Adi Wat
  15. Ramli
  16. Amat P.

## II. Tani Tombo Sekar Group



Lau Damak Village is in District Bohorok, which is one of the important centers of Agricultural and Plantation Villages. Lau Damak village has a population of over 2,754 people (BPS 2004). The village has 9 hamlets, including the 4<sup>th</sup> hamlet. The 4<sup>th</sup> hamlet's population is 95 % farmers. Types of agricultural production include the cultivation of rubber, oil palm, cocoa, grains, seasonal fruits such as Durian, Mangosteen, and Duku.

The Lau Damak village area is located in a key region near the conservation area of Gunung Leuser National Park. It is divided by the River Wampu, Bekail rivers, streams, and the Kelangi river. River water is used by farmers to irrigate agricultural areas that exist through primary and secondary irrigation made by local government. In addition, it also uses river water to irrigate the ponds for fish farming such as carp, tilapia, jurung and other fresh fish.

The plantation society of prosperous people owns fairly extensive hamlet of around 100 hectares of land used for plantation and fruit crops. The Sekar Tombo group was established as an effort to develop a natural potential that exists within the community with the eventual goal to improve the economy and community group members.

The activity which has been carried out :

**Group formation and strengthening  
Effort of Savings and Loans ( CU )**

Micro loans have become a successful venture with this village. Current members are now able to borrow Rp 500,000 (\$50) from the queuing system according to SK and regulations applicable members.

plantation , agricultural experts , and other activities.

### Spawning ponds for Jumbo Catfish

A spawning Pond has already been built , and breeding fish will be on loan from the Department of Fisheries of Bohorok. After the eggs have hatched, the breeder fish will be transferred to a member's pond before being returned. This activity has generated income and is a successful project for this group.



### Construction of a group members' Pond

Completion of an already existing group members' pond and additional ponds is still underway. The group has worked together to evaluate each pond and combine the best features to achieve the best results for their fish ponds. In this way, the group can agree on the optimal locations which will yield the best results for fish farming.



### Making extra food for livestock

A workshop teaching members how to make extra food for their cattle was carried out with the assistance of USU Students Field Ranch, as well as members with experience in livestock.

### Partnerships with universities including: Aspenta, Bappedas Sumut, and Dishutbun

Efforts to build a network with local universities are very important to create opportunities to be adapted to the needs of the group. These activities have been successful. The MECU team has assisted groups with CPOI and has formed a partnership with the relevant parties, whether in the form of agricultural engineering ,







Photo: Laudamak Village

**The plan includes:**

1. Construction of a nursery

The group plans to make a proposal for support from the government through the nursery folk (KBR) according to the needs of the group. The seedlings will be allocated for reforestation of land as well as habitat for orangutans. Additionally, plantation crops such as fruit will be planted to support the economic livelihood of the groups. Among the plants to be cultivated:

- Agarwood : 10,000 plantings
- Rubber : 10,000 plantings
- Mangosteen : 5,000 plantings

2. Create additional feed sources for jumbo catfish farming

- Construction of a traditional maggot/worm bin
- Learn how to make traditional fish food pellets in the traditional way

Learning to make food for fish farms will help farmers reduce dependence on buying expensive manufactured fish food and lower operation costs of running their business.

3. Development and management of Livestock ( buffalo )

The group plans to ask for support from the University of North Sumatra (USU) by making proposals through CPOI program to be prepared and submitted in 2014

4. Organic courtyard gardens

Organic vegetable crops grown in the common areas of the courtyard provide easy access for watering and lending by residents. In addition, cow manure and organic waste will be composted back into the soil.

5. IT Learning Group

The groups plan to receive internet access and improve technical skills in order to further educate their village.

Secretariat : Dusun Suka Mulia Laudamak Village Kec. Bohorok – Langkat

Management Board :

Companion : CPOI

Chair : Kusumo

Secretary : Sarifen

Accounting : Joni adi Karna Sitepu

Team : Suyono, Cahyono, Wahyudi, Supriadi, Riadi,Irwansyah, Legimen, Tukino, Supriono, Wagianto, Dedi, Kaliman, Usman, Sarji, Naim, Puji Muliani, Puji arso, Mujiono, Misno, Suhendrik, Iwan, Nursini, Siti Fatimah, Pitoyok, Herman, Putra, Sanmurdi, Misno.



Photo: MECU Facilitates Group discussion in Lau Damak village  
MECU Facilitator is Mr. Hariyadi

### III. Handicraft Group (Timbang Lawan Village)



Secretariat : Kampung Bukit Desa Timbang lawan Kec. Bohorok – Langkat

Management board: Companion: CPOI, Chair : Sariani SS. Sekretaris : Sri Rahayu

Accounting : Helmiyah Team : Hamidah,Lela, Nursani, Herlina Br.Olit, Evi,D,Sriwahyuni, Beby, Rita wati, Sumandayani, Ima Indriani, Marian Br.Barus, Fela, Siti Rohani, Dwi Fitria Waty

#### Current Activities:

##### 1. Savings and Loans ( CU )

Savings and loans in this group are already well underway, and members of the group have learned lessons in micro lending with the savings and loan books, in order to determine the lending of cash and between groups. MECU facilitators make regular visits to unify group, and then performs the activities required for the group.

##### 2. Handicraft Business

The production of handicrafts, such as making decorative brooches for women's dress has been a profitable local business.

#### Activities to be performed

1. Intensive assistance
2. Strengthening group
3. Discussion of group potential
4. Assisting in expanding a network to fulfill the potential of the group

#### IV. Lestari Group



Sekretariat : Dusun III, Timbang Jaya Village, Kec. Bohorok – Langkat  
Chair : Rohani

This group formed last year, and has run independently without our assistance.  
Current activities include:

1. Conservation activities  
Conservation routine activities include an environmental celebration for group members and outside members. But conservation education in the group has not been recognized by the general public. Future collaboration with the CPOI program will include a special intensive class on the importance of conservation to be recognized by the public
2. Micro-Lending Savings and Loans ( CU )  
The MECU team has helped to facilitate micro-lending savings and loans workshops. These programs have been well underway and now the group is financially independent. Loan amounts have been increased for each member. The money used for this CU comes from personal effort of each member of each group .

### 3. Organic Fertilizer Workshop ( Compost )

Organic Fertilizer training in village Timbang Jaya, in Erna Gardens . This workshop was taught with collaboration of USU students, local village residents, as well as a group of village locals from Timbang Jaya. The participants were taught how to make liquid organic fertilizer and solid natural pesticides. The focus was on creating healthy soil ecology, particularly promoting the growth beneficial microorganisms which help build and restore topsoil.



## ACTIVITY - 3

### MECU Environmental Care Event

#### 1. World Environmental Day

Indonesia's population of 250 million people plays a pivotal role in contributing to the environment damage from activities of both private and public sectors. Environmental degradation in Indonesia has impacted many lives as seen in the numerous floods and landslides that recently struck several areas throughout Indonesia.

According to data from the Ministry of Forestry, the rate of deforestation in Indonesia is 2 million hectares per year. This figure is quite astounding and we should be worried about the condition of the environment. Therefore, we believe the whole society is responsible for maintaining and preserving the environment in their respective regions.

World Environment Day on June 5, 2013 was a turning point in the efforts of the Environment conservation campaign. Various elements of the community and stakeholders in the District Bohorok and Langkat district in particular, worked to maintain and preserve a unified environment. Moreover, the Bohorok is a buffer zone near the area of Gunung Leuser National Park whose function is vital not only for society but also for the Bohorok community around the world.



The purpose of the theme, "Think , Eat,. Save" is that we want to invite all citizens of the world to be aware of: how the choices they make have an impact on the environment.

CPOI worked with various organizations concerned with the preservation of the environment ; Rigging Foundation , Natural Care Institute for Community Empowerment and the Environment ( LPMPA ) , GP . Ansar , KNPI , HPI , CPOI , TNGL , GMB , WKI , PUJAKESUMA Bohorok , Frog Stone Group , District Bohorok .

The theme of World Environment Day activities in 2013 are : " Think

Various activities are carried out in commemoration of World Environment Day

1. Planting 1,000 trees

The 1,000 tree planting event took place in the village hamlet of Batu Batu Frogs Jonjong Bohorok Langkat District of North Sumatra . A variety of seedlings such as Mahogany , Tamarind , Ketapan , Meranti , and Cengal were planted . We believe that planting 1,000 trees is an important step in the preservation of the environment.



The 1,000 tree planting event was done around the Village Road, near the River in places that are still open where greening needs to be done . Mahogany trees, ketapan trees and Meranti trees were planted. The greening activity was attended by 100 people consisting of members of NGOs, youth organizations, and Student Government volunteers.



## 2. Clean Up Activities

This event was also centered in the village hamlet of Batu Jonjong, Bohorok Langkat districts of North Sumatra .

Garbage was cleaned and inorganic waste was collected in separate containers. The organic waste collected and processed into organic fertilizer.

The clean up activity was intended as a media campaign to promote environmental preservation. It is expected that next year participation will grow and the community will continue to make the event a regular activity .

## 3. Environmental Writing Competition for Junior and Senior High Students

This activity was also intended to foster a sense of love and care for the environment from an early age for the junior and senior high school students in all Districts of Bohorok.  
.The writing workshop/competition was held on June 5, 2013 in the District Bohorok.

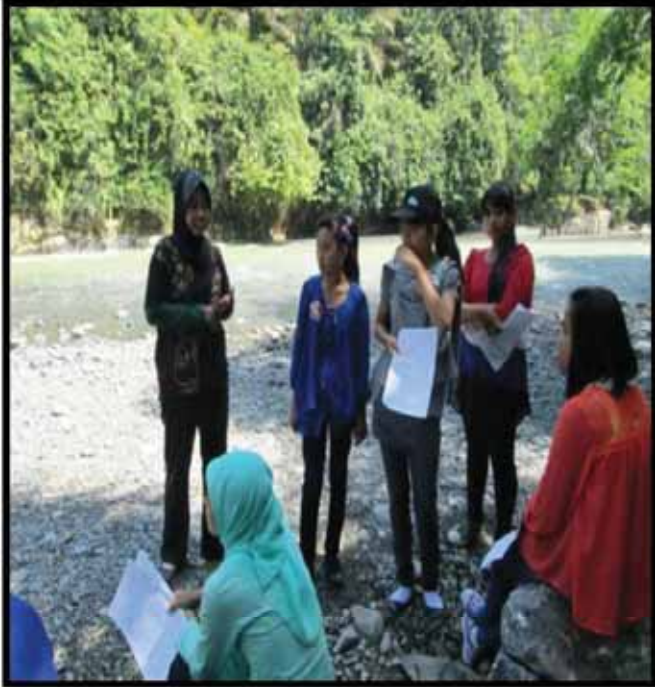


Photo: Art contest on Environment day 2013

4. Celebrating the Environment: Coloring Contest for early childhood students

A coloring contest celebrating the Environment was held for all early childhood and kindergarten students in Bohorok on June 5, 2013 in the LNK Kepong Bukit Lawang, District of Bohorok. This activity was attended by approximately 300 people. Local government agencies, the general public, as well as environmental activists and NGOs also participated. The painting contest theme was A Celebration of the Environment. Paintings depicting forests, animals (including the orangutan), and landscapes were part of the contest. Artwork was judged on the use of color, composition, neatness.

### Elementary School Painting Competition in all districts of Bohorok

Another Art competition with an Environmental theme was carried out in the Bahorak District of LNK Kepong Bukit Lawang on June 5, 2013. Fourth and fifth grade students competed in this activity by coloring or painting landscapes or forest animals.



Photo. Elementary School students (SD) and Kindergarten students in (PAUD) Bahorok District, participate in an art contest on Orangutan and Environment day 2013.



1. Orangutan Caring Week (PPOI-2013)



Orangutan Caring Week is an annual event promoted by the Indonesian Orangutan Caring Club. This event began in 2006 and is held in the second week November every year. This activity has become an international effort, including countries which belong to, or work with Orangutan Republik Foundation. Orangutan Caring Week activities inform the public about the importance of conserving orangutan habitat for human life and orangutans . In 2013, MECU's theme was: " Unite to Fight Orangutan Extinction "

Orangutan Caring Week Indonesian activities in 2013 were attended by 40 people who joined in CPOI - North Sumatra.

In this event, participants shared PPOI Campaign Materials. The campaign included the distribution of 250 sheets of stickers promoting Orangutan Caring week , stickers of YIPOI - Cpoi 100 sheets , 30 sheets of stickers with the motto " I HANG OUT for Orangutans" , posters promoting Orangutan Caring week, 12 dozen promotional notebooks , 12 dozen pens , 3 fruit banners, and 150 Durian Tree saplings were distributed.



## ACTIVITY - 4

CPOI with Voolunteer and Guest



Photo: Audensi silaturrahi Cpoi, Mr Asep, Randy, and Joe together with Department of Agriculture and Forestry in Langkat and Tani Klon Club, Mr Paimin.

From October 7 to October 11, 2013, Cpoi - Sumatra traveled to the Langkat district and up to Bukit Lawang, with a group that included Mr. Asep Sjaiful Bahri, Joe Stringer from America, his brother Randy Stringer from Australia. The group met with local government officials, farmers, traders, and shopkeepers to discuss revitalizing the cultivation of cocoa crops. Cocoa crop conditions in the last five years have decreased 40 %

according to the Head of Department of Forestry and Plantation of Langkat. This is because the conversion of cocoa crop land into palm estates. Palm plantations have also resulted in many pests and diseases. In addition, palm oil crops have been limited to the public land and not been offset by the growth of population, so people have been forced to move out of villages or sub-district areas to seek employment such as

construction work, and other odd jobs.

Furthermore, water resources are also an obstacle. Surrounding communities have difficulty with water availability in the dry season. According to research, young palm trees absorb 10 liters per day. You can imagine how the environmental conditions have impacted the surrounding communities 20 years later.

The group met to discuss the improvement of environmental through the potential of growing cocoa. Integrated production of cocoa would contribute to the natural harmony in District Bohorok Langkat district of North Sumatra . The team met to discuss directly with the Head of Department of Forestry and Plantation Langkat Supandi, Mr. Tarin , Mr. Martin , head of Conservation Soeharto , as well as representatives of cocoa farmers in the Langkat district. These discussions also continued in the village of Bukit Lawang.where the team talked with cocoa farmers, agents , and chocolate merchants.



The group discussed how chocolate cultivation may need special coaching to ensure a high quality crop that meets international standards. If the price of cocoa on the market is promising to cocoa farmers, Mr. Asep, Joseph and Randy Stringer will attempt to bring buyers. They will also work directly between the club and Orangutan Indonsia to improve the well being and self reliance of community groups to create sustainable living while preserving the environment and orangutan habitat.



Photo: Mr Randy, Joe, Asep, Herman, Erna, Aisyah, in the Cpoi-Sumut Office.







### Cheryl Family Visit

In July during the holy month of Ramadan (month of fasting for Muslims ), CPOI - Sumatra received guests from America brought by Mr. Gary Shapiro. Mrs. Cheryl, and her two children, Jesse and Sophie, visited in Cpoi - North Sumatra to observe the MECU program in Bukit Lawang. They followed a series of ongoing MECU programs. The Ceryl family stayed in a village home in Timbang Jaya, over the Bukit Lawang. The family visited attractions in Bukit Lawang, namely: jungle trekking, a visit to an orangutan feeding site, a visit to a cave ship , and a visit with farmers who use natural farming methods. They also visited a kindergarten classroom in Timbang Jaya, to participate in waste management activities.

MECU staff provided two trash cans that will be utilized at the school .

A visit was also made to the School of MTs Baithu Ridho in Timbang Lawan village. School activities included making a tree: drawing a tree on cardboard and writing positive things in every leaf. Every student was asked to write a word or quality they admire such as, diligent, smile, or sweet. The Cheryl family planted Ketapan trees to commemorate their visit. We hope these trees will be enjoyed and used as shade umbrellas. The family also visited Trekking Tangkahan Elephants, observed the elephants bathing in a waterfall.



Photo: Jesse, Sophie, Cheryl, Tree Planting Ketapan Trees.with Students MTs Baithu Ridho Timbang Lawan Village, Bahorok district. Langkat country.



Photo: Cheryl, Jesse & Shopie, Visit the farmer , Mr Tengku Fit, Bahorok Village.



Photo family Cheryl: Tree planting Rice in the farmer Timbang Jaya village, Bukit Lawang.



Photo: Cpoi, Fildzah, Herman, Auni, Ernawati, Aisyah, and Mr Jason ( From Hong Kong) Location at YPOI-CPOI Sumut Office, For discussion and join the Study Tour Sumatra., Medan, December, 11, 2013

MECU

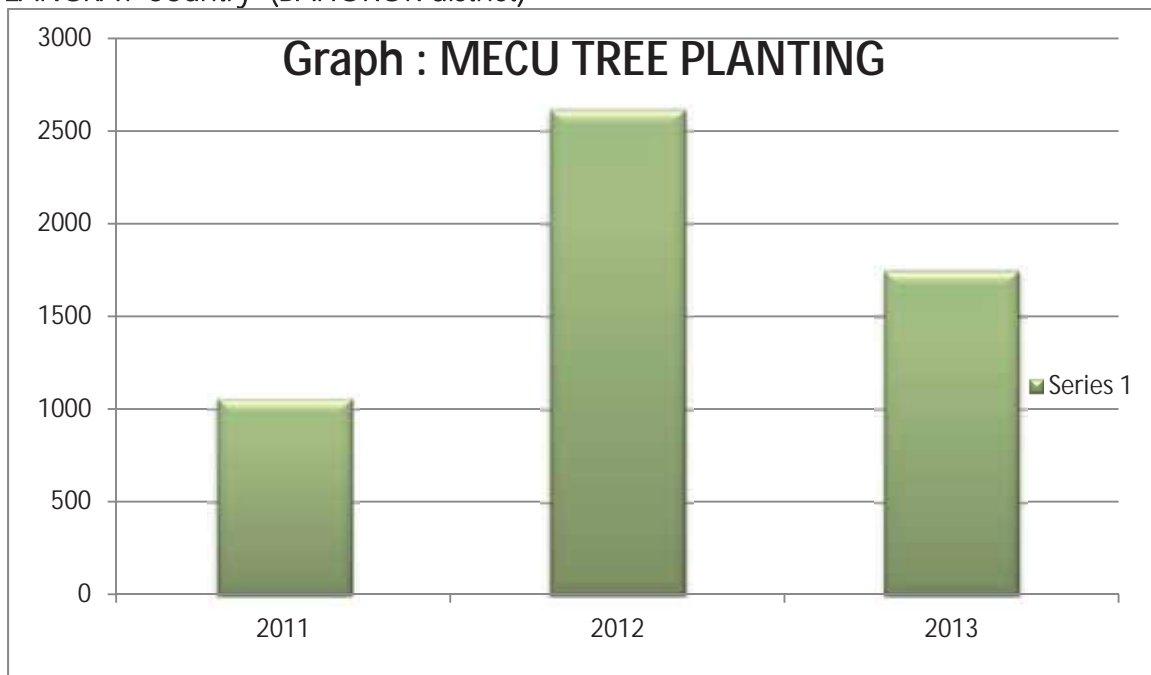
TREE PLANTING 2011 s/d 201

YEAR	SUM OF TREE PLANTING	KINDS OF TREE	LOCATION of TREE PLANTING	EXPLANATION
2011	1060 tree			
	250 tree	Asam Glugur, Mahoni, Ketapang, Jati Ambon, Meranti	School, Ecolodge, field land/ garden	Tree planting activity
	10 tree	Mahoni, Sengon	School	School visit activity
	800 tree	Durian, Petai, Mahoni, Meranti	Sampe Raya village and buffer zone area TNGL.	Tree planting activity
2012	2620 tree			
	120 tree	Manggis, Gaharu, Mahoni	SMAN-1Bahorok. SMA/SMK Bahorok, SMPN-1 Bahorok, SDN 053956 Timbang Jaya	Environmental day in the school
	200 tree	Manggis, Durian	Batu Jonjong village near TNGL	Activities include reforestation of orangutan forest
	2000 tree	Kakao, Rambung	Lahan terbuka,Field in the Batu Jonjong village	Activities are reforestation of village field
	300 tree	Mahoni, Durian	Road of Timbang Jaya &Timbang Lawan village	PPOI – 2012
2013	1750 tree			
	100 tree	Durian, Ketapang,	In the Habitat TNGL Bukit	study tour activity for

		Mahoni	Lawang	cpoi students
	500 tree	Mahoni, Ketapang, Trembesi, Cengal, Meranti	Timbang Jaya-Timbang Lawan village ,Area buffer zone TNGL	Students care environment activity
	1000 tree	Mahoni, Ketapang, Trembesi,Meranti	Batu Jonjong village, Dusun Lau Damak, bahorok district	Environmental Day
	150 pohon	Durian	Medan	PPOI-2013

**TREE PLANTING : MOBILE EDUCATION CONSERVATION UNIT**

**LANGKAT Country (BAHOROK district)**



**Graph key:**

2011, MECU, Tree Planting = 1,060 trees

2012, MECU, Tree Planting = 2,620 trees

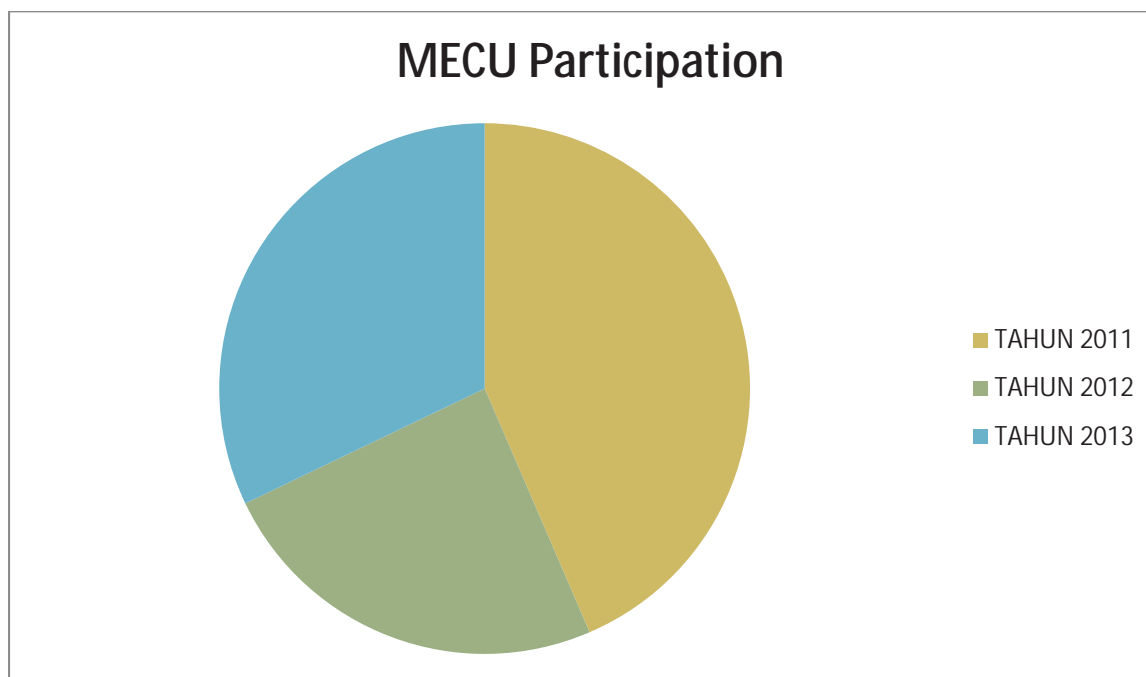
2013, MECU, Tree Planting = 1,750 trees

**TOTAL OF PEOPLE/CLUB/SCHOOL  
IN THE MECU PROGRAM,2011 s/d 2013**

YEAR	TOTAL	VILLAGE or CLUB		SCHOOL	
2011	840	Kel. Pekan Bohorok, Friday khutbah Syafari for environment	50	SDN 05647 Timbang Lawan	40
		Desa Sampe Raya, Friday khutbah Syafari for environment	50	MIS Bukit Lawang	40
		Desa Timbang Lawan, Friday khutbah Syafari for environment	50	SDN 050653 Bukit Lawang	40
		Desa Timbang Jaya, Friday khutbah Syafari for environment	50	SDN 055969 Sampe Raya	40
		Desa Perk. Bukit Lawang, Friday khutbah Syafari for environment	50	SDN 053956 Timbang Jaya	40
		Sei Musam Kendit village	10	MIS Timbang Jaya	40
		Musam Pembangunan village	10	SDN 050643 Pekan Bohorok	40
		Perk. Sei Musam village	10	MIS Pekan Bohorok	40
		Sematar village	10	SDN 050644 Pekan Bohorok	40
		Perk. Turangi village	10	SDN 050954 Empus	40
		Simp. Pulau Rambung village	10	SMA N 1 Bahorok	40
		Empus village	10	SMK pemda Bahorok	40
		Tanjung Lenggang village	10		
		Ujung Bandar village	10		
		Batu Jonjong village	10		
		Lau Damak village	10		
		<b>TOTAL</b>	<b>360</b>	<b>TOTAL</b>	<b>480</b>
2012	470	Sampe Raya village	30	head Seksi UPT-BBTNGL-Bukit Lawang, Polhut dan Personil tim MECU.teacher vice from 10 school	20
		Batu Jonjong, nursery club	30	SMAN-1 Bahorok	40
		Timbang Lawan, Timbang Jaya nursery club	50	SMA/SMK Bahorok	60
		Bukit Lawang	30	SMPN-1 Bahorok	40
		Tokoh masyarakat,Petani,TNGL	20	SDN 053956 landbow, Timbang Jaya	50
				SD dan SMP se kecamatan Bahorok acara PPOI	100

		<b>TOTAL</b>	<b>160</b>	<b>TOTAL</b>	<b>310</b>
2013	620	Timbang lawan village, Kelompok Pusaka Lestari	35	SMAN 1 Bohorok	50
		Lau Damak village, Tani Tombo Sekar club	35	SMA Pemda Bohorok	40
		Timbang Lawan village, Handicraf club	30	SMK Pemda Bohorok	40
		Timbang Jaya village, Lestari club	40	SMPN 1 Bohorok	50
		Batu Jonjong village	30	SMP Satu Atap Batu Jonjong	30
		Bahorok village	20	MTSN 1 Bohorok	50
		Bukit Lawang village	20	SD & TK se Bahorok district	100
		Tokoh masyarakat, Petani, TNGL	50		
		<b>TOTAL</b>	<b>260</b>	<b>TOTAL</b>	<b>360</b>

Picture: Percentage of community/Group/School get information Mecu program



**Graph explanation**

2011 : 840 people (44%)  
 2012 : 470 people (24 %)  
 2013 : 620 people (32%)



YAYASAN INISIATIF PENDIDIKAN ORANGUTAN INDONESIA – CLUB PEDULI ORANGUTAN INDONESIA  
SUMATERA UTARA



**FINANCIAL REPORT**  
 Club Peduli Orangutan Indonesia (CPOI) Sumut  
 Expense Summary Budget OURF-YIPOI-CPOI 2013

NO	Description	Total
1	Expense Summary Jan - March 2013	Rp39,036,020
2	Expense Summary April - June 2013	Rp58,244,978
3	Expense Summary July-Sept 2013	Rp33,785,888
4	Expense Summary Oct-Dec2013	Rp88,742,196
	<b>Total</b>	<b>Rp219,809,082</b>

OURF BUDGET	ACTUAL			
Salary/Incentives, live cost, cost a communication,transportation personal staff field	14738000	42866000	11464000	56875500
Fuel, oil and maintenance (Car servic for Ford )	2002870	1143685	1496460	7180257
Education Supplies MECU 3, education campaign and organic farming	3283640	6481500	18758021	16558084
Accommodation and Consumables/Programme, Travel and Kesekretariatan	19011510	7753793	2067407	8128355
<b>TOTAL</b>	<b>39036020</b>	<b>58244978</b>	<b>33785888</b>	<b>88742196</b>
<b>YIPOI/OUREII/CPOI-SUMUT ADVANCE RECEIPTS</b>				
Conference, convention, meetings (including meals)	497000	229000	0	782500
Equipment	0	400000	169900	1680000
Internet / Email*	145000	0	341500	152000
License & permits	275000	0	0	0
Postage, shipping, delivery	0	0	0	0
Printing & copying	0	43500	144000	47000
Staff development/education:	0	0	0	0
Supplies (office), kesekretariatan ATK Office	1308300	4421600	1051907	4727889
Travel (including meals and auto mileage),maintenance oil fuel and kesekretariatan	4303470	3589295	3058760	7905357
Utilities (gas, electricity,PDAM Water and water of recycle)	152610	257583	0	920446
Rent a office in Medan	14000000	0	400000	0
Rent a motorcycle and oil	180000	0	0	1340000
Salary/Incentives, live cost, cost a communication,transportation personal staff field	15191000	42866000	11060000	56223500
Education Supplies MECU 3, education campaign and organic farming	2983640	6438000	17559821	14963504
<b>TOTAL</b>	<b>39036020</b>	<b>58244978</b>	<b>33785888</b>	<b>88742196</b>



## Conclusion

### MOBILE EDUCATION & CONSERVATION UNIT, 2013

Mobile Education and Conservation Unit in 2013 is expected to provide a significant contribution to the efforts to reduce human conflicts with orangutans, as well as to improve the economy of the community, especially for the people living in the buffer zone area of the Gunung Leuser National Park. Additionally, many groups of farmers have been assisted through the MECU Program. But it must be admitted that the MECU program has limitations serving an expanse so vast and resolving all conflict issues. There are still many things that should be done in order to continue to build a system that supports the reduction of orangutan conflict and sustainable communities.

To achieve this goal, CPOI cannot do it alone without the support and active participation of all parties. CPOI needs their continued support in order to expand development on a wider scale. In this way we can provide a significant impact in resolving the conflicts between humans and orangutans by creating knowledgeable and sustainable forest communities.

Similarly, as this report been prepared and submitted , we realize that we still have a long way to go , but we never stop learning to improve.

Thank you,  
Medan , January 15, 2014

MECU Programs Executive  
Herman Syahputra

Photo : Mecu Team III – 2013,

Location : Rindu Alam, Bukit lawang

Herman, Yanti, Rahman, Erna (Aliya, anak Erna), Aisyah Mecu Team-III

