



## Monthly Report 4th Semester Project AMOUR (Arttu, Mayak, Orangutan, Rescue) Month of October 2019



Orangutan



Meeting with Mayak Governor



Collaboration Patrol

### A. Background

AMOUR stands for Arttu, Mayak, Orangutan, Rescue, a project focusing on orangutan conservation and protection program of High Conservation Area (HCV) in PT Arttu Energy Resource Block II, Ketapang with the main purposes of the project are:

- To monitor the habitat and the living orangutan in the HCV area.
- To protect and rehabilitate the HCV area.
- To work together with the local community to map the land use and increase awareness of the importance of HCV area.

The project takes place in a part of the palm oil concession held by PT Arttu Energie Resources (AER) which is a wholly owned subsidiary of EHP, near Ketapang in West Kalimantan, Borneo, Indonesia. PT AER has a total area of 7,638 hectares which is currently in the Kadastral stage of the land license process.

Approximately 2,800 hectares is planted with young palm oil plants with an average age of four (4) years, just entering the mature age at which the fruit is large enough to be harvested.

The remaining area of approximately 4,800 hectares is swamp, open land & forest which forms the project area. Currently, the 4,800 hectares of the HCV area is shrinking and the progress is accelerating day by day. Before those area are restored, a throughout identification is strongly required to find the main cause and how to stop the shrinking, while the orangutan conservation becomes the main focus of this project. Based on the data collected by YIAR on the month of May and June 2017, there are 56 nests of orangutan were found with approximately 31 – 64 orangutan live in the area and this data is required a further and continuous assessment.

The first semester of the project started in April 2018 and now the project is continuing the third stage with timeline duration April 2019 – September 2019 which focusing on data collecting for analysis purpose and restoration plan for the degraded area.



## B. MAP



Nine major forest blocks inside PT AER Block II – Source: ToR YIARI – AER Block II

## C. Timeline of the Project

In order to accelerate the process, EHP is working together with the local community to form a Satgas team consisting of 6 people sited in Mayak and 1 coordinator sited in Regional Office, Ketapang (KTPO). To improve the skill of the Satgas, EHP is working together with Yayasan International Animal Rescue Indonesia (YIARI) to help providing training and monitoring. Later, a MoU with BKSDA will be proposed to ensure this project is supported by government as well.

The first semester of the project has been completed with some achievements as below:

Month	Activity	Status of the Activity
January 2018	1. Forming a Satgas team	Done
March 2018	2. Contract signing with the YIARI	Done
	3. Land Use Change Analysis	Done
April 2018	4. Training of Human-Orangutan Conflict (HOC) Mitigation	Done
Mei 2018	5. Making the patrol path and later transect	Done
	6. SOP and Work Instruction (IK) Development	Done
June 2018	7. Smart Patrol training with YIARI	Done
July 2018	8. Meeting coordination with First Resources for further cooperation in protecting HCV area	Done
Agustus 2018	9. Nest Survey and Analysis	Started
September 2018	10. Visiting YIARI's nursery as part of HCV Forest Restoration	Done

The 2<sup>nd</sup> semester of the project has 6 months duration with timeline as below:

Month	Activity	Status of the Activity
Oct 2018	1. Review and Renew the Contract of Satgas	Done
	2. New Budget proposed (Oct 2018 – March 2019)	Done
	3. Drone Mapping for Restoration Plan	Done
Nov 2018	4. Contract Finalization and Signing	Done



Dec 2018	5. Starting the Restoration Plan (Nursery Management)	Done
	6. Livelihood study	
	7. Processing Data from Nest Survey	Done
	8. Website Satgas Amour	Done
January 2019	9. Evaluation by YIARI	Done
March 2019	10. Nursery Management	Done

The 3<sup>rd</sup> semester of the project has 6 months duration with timeline as below:

Month	Activity	Status of the Activity
April 2019	1. Contract Signing	Done
May 2019	2. Nursery Management (5 Ha)	Done
	3. One Year Satgas Contribution and Sosialitation	Done
June 2019	4. Preparing to Restoration	On progress
	5. Fire Prevention/Management	On progress
July 2019	6. Restoration	On progress
	7. Starting the Nursery Management Part 2 (10 Ha)	On progress
August 2019	8. A visit from GAR	Done
Sept 2019	9. Fire prevention campaign	Done
	10. Proposing new budget	Done
	11. Contract renewal	On progress
October 2019	12. Visit from YIAR for restoration progress	Done
November 2019	13. Drone mapping for new patrol path	Done
	14. Purchasing firefighting equipment	On progress
	15. Installing Signboard inside the HCV	On progress
December 2019	16. Visit from customers	Plan

## 1. Renewing the Contract

Per September 2019, the third contract of Satgas Amour has finished. However, the management decided to continue the project and process for the next renewal contract for tim Satgas Amour. Budget has been proposed last September 2019 and right now HCCS is processing the renewal of the contracts. The satgas is planned to sign the contract the latest this November 2019.

The list of new satgas is still the same with the previous one, minus Junaidi who decided to leave the team by not giving confirmation for his absent for more than one month.

Name	Occupation	Contact
Andi Lala	Satgas Supervisor	0856 5481 8079
Dino Karno	Satgas	0858 4960 4229
Suprpto	Satgas	0858 4960 4137
Rahimin	Satgas	
Romi	Satgas	
Eka Utami Ningsih	Project Coordinator	0852 280 333 62

There is no change in the position and job desk. The contents of the contracts are still the same with the previous contracts.



## 2. Patrol

Since August 2018 the Satgas has been using cybertracker to help them collecting the data during patrol. The second stage of this project is focusing on data collecting and nest survey to find out about the number of orangutan living inside the HCV area. During the patrol (April 2018 – April 2019) the Satgas are finding some endemic animals like:

Local Name	Scientific Name
Alap-alap Capung	Microhierax fringillarius
Bangau Hitam	Ciconia episcopus
Betet ekor-panjang	Psittacula longicauda
Bubut besar	Centropus sinensis
Elang-alap Besra	Accipiter virgatus
Elang Brontok	Nisaetus cirrhatus
Elang Tikus	Elanus caeruleus
Elang Ikan Kepala Abu	Haliaeetus ichthyaetus
Enggang Belulang	Anthracoseros albirostris
Kehicap ranting	Hypothymis azurea
Kekep Babi	Artamus leucorhynchus
Pekaka emas	Pelargopsis capensis
Punai gading	Treron vernans
Tekukur biasa	Streptopelia chinensis
Tiong emas	Gracula religiosa
Babi Berjenggot	Sus barbatus
Bajing Kelapa	Callosciurus notatus
Bekantan	Nasalis larvatus
Beruang Madu	Helarctos malayanus
Lutung Kelabu	Presbytis cristata
Monyet Ekor Panjang	Macaca fascicularis
Orangutan	Pongo Pygmaeus
Raja Udang Punggung Merah	Ceyx rufidorsa
Tupai Kerdil	Nannosciurus melanotis
Labi-labi	Dogania subplana
Reptiles	Reptiles
Insects	Insects

Activities	Action	Description
Patrol		
Nest Survey	784	April 2018 – October 2019
Contact with Orangutan	22	April 2018 – October 2019
Mitigation	2	Received 4 reports from villagers
Translocation		
Emergency		





# PT ARRTU ENERGIE RESOURCES

## 2.1. Regular Patrol

Since the renewal of the contract the satgas are continuing the patrol inside the HCV area with job desks:

- Doing the nest survey.
- Trying to open a new path (in the northern area inside the Tanjungpura area)
- Regular patrol at least once a week around the boundary of PT Limpah Sejahtera
- Collaboration patrol with team from YIAR or PT Limpah Sejahtera
- Starting to learn of how to collect seedlings for nursery
- Taking some pictures for Satgas Amour website



## 2.2 Collaboration Patrol

Contract between PT Arrtu Energie Resources and Yayasan International Animal Rescued has ended in December 2018 but the collaboration between two organizations still continue. 29 October 2019 a collaboration patrol has been conducted with agenda:

- YIAR team is still following and assisting the progress of restoration plan inside the HCV. The agenda is to make sure the nursery is managed properly by the team. Some recommendations have been delivered to improve the nursery management.
- Drone mapping in order to make a new patrol path inside the HCV area.





## 3. Forest Restoration

Forest restoration project is the third point agreed in the contract between EHP and YIARI. YIARI will provide advices regarding the establishment of nursery and type of species to be planted. The focus area is the degraded forest to connect the major forest spots.

### 3.1. First Meeting with First Resources (PT Limpah Sejahtera) and YIAR Indonesia

There was a meeting in 2<sup>nd</sup> July 2018 with YIAR Indonesia and First Resource regarding the future plan of Forest Restoration focusing on degraded area of PT Arttu Energie Resources (EHP) and PT Limpah Sejahtera (FR) as the priority of the program. From the meeting some points have been agreed by EHP, FR and YIAR Indonesia:

- FR has agreed to share data regarding orangutan;
- Both EHP and FR have committed to do the forest restoration, starting in the hotspot area pointed in the meeting (by the boundary of FR and EHP);
- YIAR Indonesia agreed to assist in planning and guarding the restoration process;
- Once a month, a meeting or join patrol will be conducted by FR and EHP assisted by Tim Mitra YIAR;
- EHP and FR agreed to post some signboards regarding orangutan activities.

### 3.2. Visiting YIAR Indonesia's Nursery in Sungai Deras (Pematang Gadung)

As YIAR Indonesia has agreed to assist the technical matter in the restoration process, they invited both EHP and FR to visit their area where restoration was conducted in Sungai Deras, Pematang Gadung. HOTP, Sustainability Assistant and CSR Manager joined the trip along with team from First Resources on September 5<sup>th</sup>, 2018. The results of the visits are:

- To find out the technical matter of how to do restoration and land preparation.
- Nursery management.
- Type of plants recommended for restoration.
- Monitoring and maintenance.



Nursery



Restoration Camp of YIAR

From the visit, HOTP, Sustainability Assistant and Coordinator are working together to design the restoration plan which is located in the HCV area connected to HCV area of PT Limpah Sejahtera (FR). The initial plan will cover only 5 Ha (50 m x 1000 m) with purposes:

- To build a safe corridor for Orangutan to cross between the PT AER's HCV and PT LS's HCV.





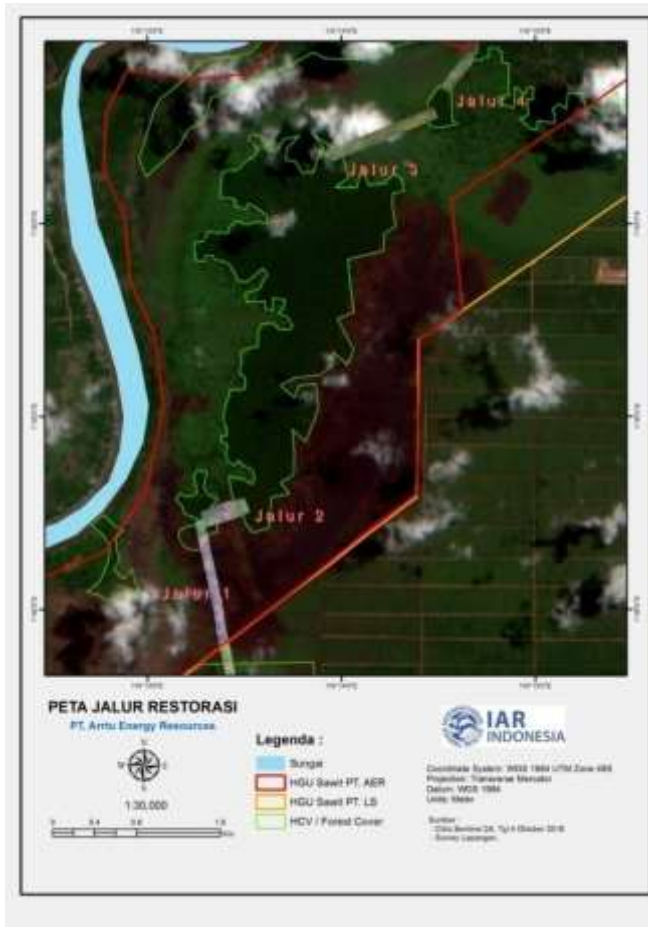
# PT ARRTU ENERGIE RESOURCES

- To enrich the foods of Orangutan by planting fruit plants for Orangutan (from the family of Syzigium sp and Mytaceae).
- To help restoring the degraded area caused by fire and illegal logging.
- To improve the ecological function of degraded forest area.

### 3.3. Drone Mapping with YIAR Indonesia

In 18 – 19 October 2018 a drone mapping activity conducted among EHP, YIARI and FR. The purpose of the activity is:

- To find out the present condition of land covering inside the HCV area.
- To map the degraded area (priority area) to be restored (location and Ha).
- Design a timeline of the restoration for both EHP and FR.



Restoration Plan Map

Coridor	Ha	Seedling Required
Jalur 1	6.39 Ha	3,195
Jalur 2	1.42 Ha	710
Jalur 2	4.78 Ha	2,390
Jalur 4	1.90 Ha	950
	<b>14.49 Ha</b>	<b>7,245</b>

Detail of Restoration Ha



## 3.4. The Six Month Restoration Plan

This six month restoration plan will focus on Jalur 1. YIAR has suggested 12.78 Ha to be restored for the corridor with 100 m width. We revise the width into 50 m, so we only restore half of the hectare with budget estimation Rp. 3 million per hectare. Below is the list of suggested plants to be planted:

No	Local Name	Scientific Name	Proportion of Seedling (%)	Proportion Amount of Seedling
1	Ubah	<i>Syzygium Eugenia &amp; Syzygium nemestrina</i>	30%	2,172
2	Medang	<i>Litsea sp</i>	10%	725
3	Kayu Malam	<i>Diospyros sp.</i>	10%	725
4	Jelutung	<i>Shorea as.</i>	5%	362
5	Nyatoh	<i>Palaquium leiocarpum</i>	5%	362
6	Pulai	<i>Alstonia sp.</i>	5%	362
7	Meranti	<i>Shorea asp.</i>	5%	362
8	Asam Kandis	<i>Garcinia xanthochymus</i>	10%	725
9	Jengkol	<i>Archidendron pauciflorum</i>	10%	725
10	Durian	<i>Durio sp.</i>	10%	725
<b>Total</b>			<b>100%</b>	<b>7,245</b>
<b>Reserve</b>			<b>10%</b>	<b>724</b>
<b>Grand Total</b>				<b>7,969</b>

The nursery management, monitoring and maintenance of the restoration area will become satgas' responsibilities and already included to the IK (Instruksi Kerja – *Work Instruction*) with some additional notes.

## 3.5. Nursery Management

Based on the visit on 11 – 14 February 2019, some points have been agreed regarding nursery management activities:

- A restoration plan has been discussed with Satgas Supervisor as the one responsible to the whole nursery management process. A nursery location has been decided to be in the land belongs to the Satgas Supervisor located in Desa Mayak.
- 75 kg baby polybag had been provided by EPWE (PT AER) and also has been delivered to the Satgas. This amount of *baby polybag* is estimated to be enough for 2,750 seedlings.
- The Satgas Supervisor suggested and agreed by the management that we will hire some women from Desa Mayak for the polybag filling activity.
- The YIARI agreed to give advices or suggestions whenever we need or find some obstacles regarding the nursery management process.
- The nursery establishment will be started in early May 2019 with two months target of accomplishment so in early July 2019 the restoration plan could be started.

## 3.6. Satgas Supervisor Visited YIARI's Nursery

Monday, 4 March 2019, Satgas Supervisor was invited by Bp. Catur from YIARI to see the nursery YIARI has been establishing in their rehabilitation center in Sei Awan, Kab. Ketapang. The purposes of this visit are:

- To show the Satgas Supervisor as the one responsible to the nursery management in Mayak Village how to prepare the nursery location.





# PT ARRTU ENERGI RESOURCES

- To teach the Satgas Supervisor of types of seedlings and how to choose the best seedlings to be brought and planted in the nursery.
- YIAR also agreed to visit Mayak Village regularly to help the Satgas choosing the seedlings from the forest and brought them back to the nursery.



### 3.7. Training of How to Collect Seedling from

On 20 – 21 May 2019, there is a visit from the team of YIAR. Though the contract between EHP and YIAR has ended on December 2018, YIAR has been committed to assist Satgas Amour in the progress of restoration. The agenda of the visits are:

- Supervising the progress of restoration project especially the nursery management;
- Visiting the area planned to be restore (Jalur 1) by the boundary of PT Limpah Sejahtera;
- Training the Satgas of how to collect seedling and bring the seedling to the nursery;
- Providing the recommendation of seedling to be planted in the nursery.



### 4. Nest Survey

The nest survey is started in 28<sup>th</sup> August 2018. The Satgas have been trained to use Cybertracker; the app used in Smart Patrol. Though the progress is still not perfect but the Satgas could regularly send the data using Blackview BV6000 through Gmail. The results of nest survey are:



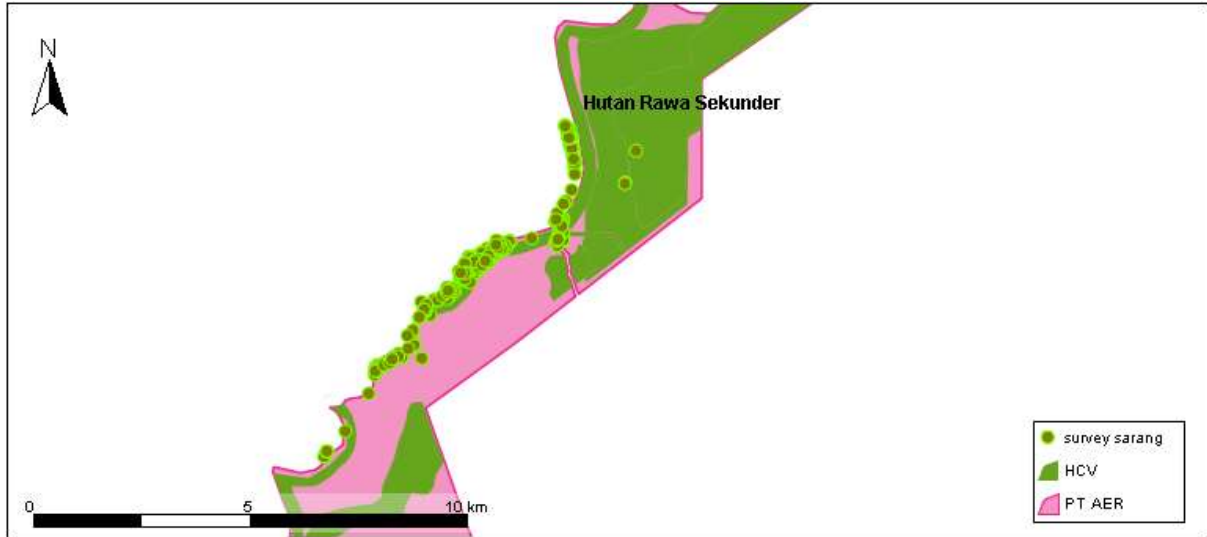
# PT ARRTU ENERGI RESOURCES

<p>a. Agustus 2018 11 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 4 nests type B</li><li>- 3 nests type D</li><li>- 4 nests type E</li></ul>	<p>b. September 2018 61 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 9 nests type A</li><li>- 12 nests type B</li><li>- 8 nests type C</li><li>- 12 nests type D</li><li>- 20 nests type E</li></ul>
<p>c. October 2018 74 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 7 nests type A</li><li>- 24 nests type B</li><li>- 7 nests type C</li><li>- 19 nests type D</li><li>- 17 nests type E</li></ul>	<p>d. November 2018 59 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 1 nest type A</li><li>- 19 nests type B</li><li>- 13 nests type C</li><li>- 11 nests type D</li><li>- 15 nests type E</li></ul>
<p>e. December 2018 59 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 1 nest type A</li><li>- 23 nests type B</li><li>- 16 nests type C</li><li>- 12 nests type D</li><li>- 7 nests type E</li></ul>	<p>f. January 2019 83 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 7 nest type A</li><li>- 23 nests type B</li><li>- 28 nests type C</li><li>- 20 nests type D</li><li>- 5 nests type E</li></ul>
<p>g. February 2019 30 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 3 nest type A</li><li>- 6 nests type B</li><li>- 10 nests type C</li><li>- 9 nests type D</li><li>- 2 nests type E</li></ul>	<p>h. March 2019 30 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 1 nest type A</li><li>- 6 nests type B</li><li>- 10 nests type C</li><li>- 9 nests type D</li><li>- 4 nests type E</li></ul>
<p>i. April 2019 34 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 1 nest type A</li><li>- 9 nests type B</li><li>- 17 nests type C</li><li>- 5 nests type D</li><li>- 2 nests type E</li></ul>	<p>j. Mei 2019 57 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 4 nest type A</li><li>- 17 nests type B</li><li>- 16 nests type C</li><li>- 10 nests type D</li><li>- 10 nests type E</li></ul>
<p>k. June 2019 33 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 2 nest type A</li><li>- 6 nests type B</li><li>- 8 nests type C</li><li>- 10 nests type D</li><li>- 7 nests type E</li></ul>	<p>l. July 2019 33 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 1 nest type A</li><li>- 12 nests type B</li><li>- 14 nests type C</li><li>- 7 nests type D</li><li>- 6 nests type E</li></ul>
<p>m. August 2019 61 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 0 nest type A</li><li>- 21 nests type B</li><li>- 21 nests type C</li><li>- 14 nests type D</li><li>- 5 nests type E</li></ul>	<p>n. September 2019 10 Orangutan's nest with details:</p> <ul style="list-style-type: none"><li>- 0 nest type A</li><li>- 3 nests type B</li><li>- 6 nests type C</li><li>- 1 nests type D</li><li>- 0 nests type E</li></ul>



# PT ARRTU ENERGI RESOURCES

o. October 2019 71 Orangutan's nests with details: <ul style="list-style-type: none"><li>- 3 nests type A</li><li>- 20 nests type B</li><li>- 27 nests type C</li><li>- 14 nests type D</li><li>- 7 nests type E</li></ul>	p.
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**The Nest Location**

Based on the nest survey data above, an early analysis has been made by the project coordinator. From the data is estimated around 8 orangutans are living inside the HCV area. With indicator:

- Nest type A : 1 day old
- Nest type B : 3 day old
- Nest type C : 1 week old
- Nest type D : 2 weeks old
- Nest type E : More than 3 weeks

However, those indicator is not really accurate due to a lot of factors that may affect how fast the nest withered such as weather, the height of the tree, and the tree or leaves types used by the orangutan to form the nest. Currently, the satgas is learning about this matter to find out more accurate indicator.



**The estimated number of orangutans living inside the HCV area**



## 5. Recognition

### 5.1. A Visit from GAR

GAR has been becoming one of the customers of Eagle High Plantation and in recent months has been paying a closer attention to Satgas Amour. In the mid of July 2019, a conference call has been made between EHP and representative of PT Smart Tbk. to discuss the possibility of GAR and some potential donators like PZ Cussons and also OFI (Orangutan Foundation Internation) to visit the project area with possibility for some of them to provide fund for the project.

It has been discussed that the best time for them to visit is at the end of October 2019 but before that an early visit is required to be made so a complete and good itinerary could be designed. On August 23<sup>rd</sup>, two representatives from GAR (Mr. Ambang Wijaya and Ms. Olivia) were willing to visit the project area despite of the difficulties they should face due to on going road construction in Desa Sei Awan - Tanjungpura, so it is impossible for them to reach the project area by car, instead they should use motorcycle for almost one hour to reach the area.

The purposes of this visit are:

- To do early checking on the project area to see the potential of the project.
- To see the road condition and route to reach the project location.
- To help the team designing the best route option for the itinerary.
- To see the progress of Project Amour from the daily routine up to nursery management for restoration plan.





## 6. Fire Fighting

On 4<sup>th</sup> September 2019, the first hotspot was found inside the HCV. Initially, the Satgas could manage the fire themselves using some manual equipment and put it out on 6<sup>th</sup> September 2019. The new hotspot found inside the patrol path on 7<sup>th</sup> September 2019 and successfully been put out around 12<sup>th</sup> September 2019. However, when the hotspot found inside the HCV area on 22<sup>nd</sup> September 2019 the manual equipment and Satgas are not enough. The management decided to sent 15 water pumps, 135 roll of firehoses and rent an excavator from PT Limpah Sejahtera to manage the fire. There are a lot of people involved in the process, from top managements, managers, assistants, workers, Mayak villagers and many more until the fire successfully put out on 27<sup>th</sup> September 2019.



**Fire Fighting**



**Picture taken from drone**



**HCV Lost around 40 Ha to fire**



**The condition on 30<sup>th</sup> September 2019**

This fire event was a lesson from everyone that even in the unpredictable area, the fire could start. Due to this event, the management decided to equip the Satgas team with complete fire equipment:

- Portable water pump
- Spiral Hose
- Firehose
- Nozzle, adaptor and foot klep
- Drone

Those equipment are essential and important especially to prevent fire from getting bigger. Hopefully, the same thing won't happen again in the future and to prevent it a cooperation from all parties are strongly required.





# PT ARRTU ENERGIE RESOURCES

## 6.1 Aftereffects of Fire

Though the fire has been successfully put out on 27 September 2019 but the problems cause by the event have not ended yet. There are some aftereffects that Satgas Amour should face and solve together with all parties including the managements.



After the fire, PT Arrtu Energie Resources received an invitation from Mayak Village governor with agenda to discuss the conservation area and Satgas Amour project. From the meeting there are some points have been discussed:

- Unfortunately, there are still some parties who are not aware of the importance of Satgas Amour in protecting the HCV. They afraid that the activities conducted by Satgas Amour inside the HCV will cause them losing their right of Hutan Adat which located in the HCV. However, the management ensure them that nothing to worry about because the main purpose of Satgas Amour is protection, as long as the villagers don't do harm to the woods they are free to do whatever they always do in Hutan Adat.
- Due to fire fighting process, PT Arrtu Energie Resources borrowed a machinery (excavator) from PT Limpah Sejahtera. To pass the boundary drain, a bridge usually used by villagers to cross to reach their workplace was broken down so excavator could pass through. In the meeting, the villagers were asking PT AER to put back the bridge. Moreover, the villagers are also asking management to help them repairing the road inside the HCV so they will have a better access to reach their workplace in PT Limpah Sejahtera. For those two demands, management has agreed to help with one condition, this project should be conducted together with PT Limpah Sejahtera since it is the closest plantation with machinery available and to avoid intervention, village is the one to ask the help from PT Limpah Sejahtera, not PT AER. The Kades has agreed to the condition. A meeting among PT LS, PT AER and Mayak village governor will be held soon.
- There were also some reports from villagers regarding trashes and wood pieces that blocked the stream of Long Darah river. Some floods occur in several area. Due to that reports, the Satgas team is working together to clean up the rivers.
- A villager was also reporting that he lost some of rubber trees caused by excavator that passed his plantation to reach the burnt area. Management commit to replace the rubber tree after an agreement was made between two parties.

Hopefully, all the issues as the aftereffect of fire could be solved immediately so Satgas Amour could focus on their target such as nursery for restoration and make a new patrol path inside the HCV.





## 7. Others

In January 2019, Mr. Sebastian Sharp has met the owner of Goodshirt.co Jamie Richards to discuss the possibility of his clothing company to help designing and producing the uniform for the Satgas. Uniform is not only one of the equipment required for the Satgas to protect them but also able to improve their confidences in doing their jobs.

Goodshirt.co is one of the sustainable companies which have been actively involving in some environmental causes. Clothing industry is well known as the second largest polluter in the world after oil and due to that Good Shirt decided to take a sustainable route by supporting some environmental campaigns including Satgas Amour. Not only that, Good Shirt is also committing to help preserve some animals which have been in the brink of extinction such as orangutan, Sumatran Tiger, Sumatran Rhino and Sumatra Elephant.



Uniform Design



Uniform Design

## D. Project Beneficiaries

Orangutan Conservation	<ul style="list-style-type: none"> <li>- Orangutan population and habitat is fully monitored and protected</li> <li>- The HCV area is protected and restored</li> <li>- Advanced design of forest and HCV management</li> </ul>
Eagle High Plantation	<ul style="list-style-type: none"> <li>- A new business model of sustainable land management</li> <li>- Balancing the production and protection</li> <li>- Sustainable land use plan</li> </ul>
Local Community (Mayak Village)	<ul style="list-style-type: none"> <li>- Increase awareness of local community of the importance of HCV area</li> <li>- In long term, this project will provide the alternative livelihoods for the local community to increase their economic</li> </ul>

## E. Budget and Expenses Report of the Project AMOUR

On 9 May 2018, Satgas Amour has opened its own bank account using Bank Mandiri. The purpose of using its own account is so it is easier to monitor the cash flow and the expenses without being disturbed by external aspects if using third party bank accounts.

The first transaction using the bank account is to pay the salary of Satgas for the month of April 2018 and the operational cost of May 2018 with total Rp. 12,897,010.



# PT ARRTU ENERGIE RESOURCES

## 1. Budget

Budget Item	Cost	Euro Estimation
Equipping and training teams	70,140,000	4,200
YIARI consultancy fees for training and restoration advice	90,180,000	5,400
Salary and operational costs field team (inc. Transport)	130,260,000	7,800
Rehabilitation of forest degraded areas 200 ha	83,500,000	5,000
Head office field visit and coordination	58,450,000	3,500
Local coordinator	21,710,000	1,300
HCV review and analysis of full restoration cost	50,100,000	3,000
Participatory mapping and community engagement	83,500,000	5,000
Conflict resolution expert implementation	50,100,000	3,000
Livelihoods planning study	83,500,000	5,000
&Green.fund pitching and proposal development, KEE	33,400,000	2,000
LUCA monitoring	78,490,000	4,700
<b>sub total</b>	<b>833,330,000</b>	<b>49,900</b>
Management fee 10% (should include coordinators fee etc)	76,987,000	4,610
<b>Total</b>	<b>910,317,000</b>	<b>54,510</b>

## 2. Expenses

Activities	Cost	Todate Expenses (Paid)
<b>January – March 2018</b>		
Forming A Satgas Team and Visiting the Mayak Village	Rp. 1,650,500 Rp. 1,050,000	Rp. 1,650,500 Rp. 2,700,500
<b>April 2018</b>		
Land Use Change Analysis	Rp. 3,144,000	Rp. 5,844,500
Training of Human-Orangutan Conflict (HOC) Mitigation	Rp. 33,500,000 (YIARI) Rp. 25,408,000 (Accommodation)	Rp. 39,344,500 Rp. 64,752,500
Salary of Satgas and Coordinator per April 2018	Rp. 7,587,010	Rp. 72,339,510
Operational April 2018	Rp. 150,000	Rp. 72,489,510
<b>May 2018</b>		
Operational May 2018	Rp. 6,207,000	Rp. 78,696,510
Salary of Satgas and Coordinator per May 2018	Rp. 18,872,000	Rp. 97,568,510
<b>June 2018</b>		
Salary of Satgas and Coordinator per June 2018	Rp. 18,872,000	Rp. 116,440,510
Smart Patrol Training with YIARI Cost Smart Patrol Activities	Rp. 30,000,000 (YIARI) Rp. 7,075,000	Rp. 146.440.510 Rp. 153.515.510
Operational June 2018	Rp. 4,627,000	Rp. 158.142.510
HO Visit for BBC Screening	Rp. 1,112,760	Rp. 159.255.270
<b>July 2018</b>		
Salary of Satgas and Coordinator per July 2018	Rp. 18,872,000	Rp. 178.127.270
Operational July 2018	Rp. 4,367,000	Rp. 182.494.270
<b>August 2018</b>		
Salary of Satgas and Coordinator per August 2018	Rp. 18,872,000	Rp. 201.366.270



# PT ARRTU ENERGIE RESOURCES

Operational August 2018	Rp. 6,306,500	Rp. 207.672.770
Pembelian Blackview	Rp. 2,470,000	Rp. 210.142.770
<b>September 2018</b>		
Salary of Satgas and Coordinator per September 2018	Rp. 18,872,000	Rp. 229.014.770
Operational September 2018	Rp. 7,863,000	Rp. 236.877.770
<b>October 2018</b>		
Investor Visit (Sail Ventures and IDH)	Rp. 8.825.600	Rp. 245.703.370
Operational October 2018	Rp. 6,758,000	Rp. 252.461.370
Salary of Satgas and Coordinator per October 2018	Rp. 17.129.840	Rp. 269.591.210
<b>November 2018</b>		
Operational November 2018	Rp. 900.000	Rp. 270.491.210
Salary of Satgas and Coordinator per November 2018	Rp. 22.655.100	Rp. 293.146.310
<b>December 2018</b>		
Operational December 2018	Rp. 8.633.000	Rp. 301.779.310
Salary of Satgas and Coordinator per December 2018	Rp. 20.450.100	Rp. 322.229.410
Restoration Project	Rp. 13,000,000 (YIARI)	Rp. 335.229.410
Project Management Fee YIARI	Rp. 10,000,000 (YIARI)	Rp. 345.229.410
<b>January 2019</b>		
Operational January 2019	Rp. 608.000	Rp. 345.837.410
Salary of Satgas and Coordinator per January 2019	Rp. 21.900.100	Rp. 367.737.510
<b>February 2019</b>		
Operational February 2019	Rp. 11.027.000	Rp. 378.764.510
Salary of Satgas and Coordinator per February 2019	Rp. 19.250.100	Rp. 398.014.610
<b>March 2019</b>		
Operational March 2019	Rp. 6.680.000	Rp. 404.694.610
Salary Satgas and Coordinator per March 2019	Rp. 19.000.100	Rp. 423.694.710
<b>April 2019</b>		
Operational April 2019	Rp. 4.641.000	Rp. 428.335.710
Salary Satgas and Coordinator per April 2019	Rp. 19.328.000	Rp. 447.663.710
<b>May 2019</b>		
Operational May 2019	Rp. 1.785.000	Rp. 449.448.710
THR 2019	Rp. 19.328.000	Rp. 468.776.710
Salary Satgas and Coordinator per May 2019	Rp. 21.532.300	Rp. 490.309.010
<b>June 2019</b>		
Operational June 2019	Rp. 995.000	Rp. 491.304.010
Salary Satgas and Coordinator per June 2019	Rp. 18.338.140	Rp. 509.642.150
<b>Juli 2019</b>		
Operational July 2019	Rp. 6.778.000	Rp. 516.420.150





# PT ARRTU ENERGIE RESOURCES

Salary Satgas and Coordinator per July 2019	Rp. 19.143.340	Rp. 535.563.490
<b>August 2019</b>		
Operational August 2019	Rp. 5.713.000	Rp. 541.276.490
Salary Satgas and Coordinator per August 2019	Rp. 21.193.340	Rp. 562.469.830
<b>September 2019</b>		
Operational September 2019	Rp. 1.075.000	Rp. 563.544.830
Salary Satgas and Coordinator per September 2019	Rp. 19.670.940	Rp. 583.215.770
<b>October 2019</b>		
Operational October 2019	Rp. 1.079.300	Rp. 584.295.070
Salary Satgas and Coordinator per October 2019	Rp. 18.561.380	Not Paid
<b>November 2019</b>		
Operational November 2019	Rp. 7.690.600	Rp. 591.985.670
<b>Total</b>		<b>Rp. 591.985.670</b>

Note: the detail of the budget and expenses will be enclosed in Monthly Report October 2019 (Excel).

## F. Partners and Management

Party	Roles & responsibilities	Degree of involvement so far
AER	Project lead and main implementer. Management and reporting.	Confirmed
YIARI	Manage HCV and orangutan training, assist in project monitoring	Confirmed

## G. Summary of the Project AMOUR 4<sup>th</sup> Stage (October 2019 – September 2020)

Per October 2019, there are some activities have been conducted:

- Meeting with Mayak village governor to discuss the aftereffect of fire inside the HCV;
- Collaboration patrol with YIAR team to survey an area for new patrol path.

Target for November 2019:

- Culling and replanting the nursery
- Regular visit to Mayak in the middle of November 2019
- Purchasing fire equipment
- Installing signboard inside the HCV
- Making new patrol path

Ketapang, 12 November 2019

Prepared by,

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