

## Coffee and Primate Conservation Project

# OWA JAWA

HUTAN SOKOKEMBANG, PETUNGKRIYONO, PEKALONGAN

JUMLAH  
INDIVIDU

51

JUMLAH  
KELOMPOK

20

LUAS  
HABITAT

65.69  
Km<sup>2</sup>

KERAPATAN

7.57  
Individu/Km<sup>2</sup>

Owa Jawa, (*Hylobates moloch*), hanya bisa ditemukan di Pulau Jawa, Indonesia. Populasinya di alam tersisa kurang lebih 4000 individu, kera kecil ini telah bertahan hidup di antara padatnya populasi manusia di Pulau Jawa. Penurunan populasi terus terjadi, sebagai akibat hilangnya hutan alam sebagai habitat dan perburuan. Owa Jawa sangat unik, identifikasi global dan mempunyai peran penting dalam membantu regenerasi hutan, menyebarkan biji-bijian dari buah yang dimakannya. Mereka hidup berpasangan, dengan homerone yang tetap dan bersuara keras di pagi hari. Owa adalah penghuni pohon, lengan tangan mereka berkembang secara khusus untuk berayun bergerak cepat di antara pepohonan.

Owa Jawa | *Hylobates moloch*

## Hutan Sokokembang, Petungkriyono

Terdapat kurang lebih 51 individu (20 kelompok) Owa di hutan Sokokembang dan sekitarnya, dengan luas potensial habitat 65.69 km<sup>2</sup>, kepadatan 7.57 individu/km<sup>2</sup>, menjadikan hutan sokokembang memiliki kepadatan paling tinggi di wilayah Jawa Tengah. Primata lainnya yang ada di hutan Sokokembang adalah Lutung Jawa (*Trachypithecus auratus*), Rekanan (*Presbytis comata*) dan Monyet ekor panjang (*Macaca fascicularis*).

Lutung Jawa | *Trachypithecus auratus*

Rekanan | *Presbytis comata*

Monyet ekor panjang | *Macaca fascicularis*

Owa Jawa sudah termasuk dalam satwa di lingkungan lembaga konservasi dunia (IUCN) mengategorikan terancam punah (Endangered). Saat ini tantangan pelestarian Owa Jawa, adalah hilangnya hutan alam sebagai habitatnya, perambahan hutan, penebangan pohon alam, dan perburuan

Kami mengajak anda untuk berkontribusi melestarikan primata endemik Jawa, dengan turut menjaga dan melestarikan hutan sebagai habitatnya, tidak memburu dan memperjual belikan satwa liar.

swaraOwa

Info lebih lanjut :

swarowa.blogspot.co.id

swarowa.com

swarowas@gmail.com

@swaraOwa

## Summary

*The project leads developing team experience and networking to conserve primates and it's habitat in sustainable way especially in Central Java, Indonesia. Protection of forest and it's wildlife have been initiated through community work, connecting their economic situation and ecosystem preservation.*

*Building capacity towards young people and conservation enthusiast was succeed through the 5<sup>th</sup> Sokokembang primate field course.*

*Preliminary studies on shade grown coffee have been lead to mainstreaming bee keeping to produce honey for income and important pollinator. Series of bee keeping training motivate the community to maintain bees colonies, in sustainable way.*

*Through the coffee, we have been develop sustainable conservation scheme not only to preserve javan gibbon and it's habitat but also engages local community directly. Collaborate with wildlife reserve Singapore, we have been initiate sustainable business, to promote conservation of Javan gibbon through selling coffee in Singapore and local market in the habitat.*

*All the project activities since 2012 Coffee and Primate Conservation Project, have been enhance the team to establish Swaraowa foundation, and finally in October we officially get legal entity under Indonesian law, this organization will continue the programs especially for Indonesian primate conservation.*

---

## Activities

### Law enforcement and forest protection

1. We use our business relationship to engage community nearby the forest to protect the forest, through the village visit and discussion how to improve forest products such as coffee, palm sugars, and beekeeping, we introduce how important forest are. We have also initiated socialization that in the future, maybe the forest product could be priced higher because of we protect the forest, So we encourage them to reduce and stop wildlife hunting from the forest. and give report to the government officer if any hunting for protected wildlife.



**Photo 1. Informal discussion to send the conservation message**

2. In the beginning of 2017 , Indonesian government publish an Javan gibbon action plan 2016-2026, we have contribute actively in the process, and included some location of Javan gibbon distribution as permanent monitoring sites by government. The locations will got handling priorities if any report on illegal wildlife trade and illegal logging.
3. Participatory monitoring conducted using camera trap, to know human activities in the forest, the camera placed randomly and deploy during 3 weeks in each point. Result from the camera trap collected and reported to forest authority. We use also public route to monitor wildlife hunting activities, monitoring activities conducted unscheduled.



**Photo 2. camera trap detect illegal logging in the Javan gibbon habitat**

### **Applied research for conservation**

We encourage local researchers to conduct study and applied research for conservation, we provide our facilities for researcher who conduct study in the javan gibbon habitat, report from the research than send to local government.

1. Shade grown coffee mapping, conducted using drone photography. We collect aerial view as data base for further certification scheme for shade grown coffee from primate habitat.

2. Sokokembang forest as study center for primate conservation. Sokokembang forest now become one of the destination to study primates and it's habitat in Central Java, every year there is group of students conducted study here, and we provide our facilities, research equipments and providing advisor for biodiversity study in Sokokembang. Until November 2017, there were 30 students visit and doing survey on biodiversity assessment and field practices, some of them are doing study for their undergraduate final paper.
3. **Kopi Owa scholarship**, to support and build a network among young researchers and primate conservationist in Java. We provide scholarship for students and community who want to conduct study for primates and it's conservation in Central Java.
  - a. Currently we have 1 student from West Papua (Univeristy of Janabadra Yogyakarta) as scholarship recipient who will study about social and economy impact of Kopi Owa in the habitat Of Javan gibbon, Petungkriyono district.
  - b. Providing support for students who will conduct primate symposium in the region. These students are our participants from previous primate field course in 2016. The event is here : <https://www.haievent.com/seminar-ekologi-dan-konservasi-sekons-kampus-a-uni-16-desember-2017/>

#### **Conservation Education and conservation campaign**

1. Presentation about the "Coffee and Primate Conservation Project" were conducted at local, national and international level. We have send abstract and give oral presentation for the attendance, and all funding support for the project is acknowledged. Presentation not only in the scientific academic community but also among coffee enthusiast i.e :
  - Presentation among graduate student of Biology Faculty, Gadjah Mada University
  - Talk show in front of forestry vocational students at University of Gadjah Mada Yogyakarta (5 August 2017)
  - Rainforest:live 2017, <https://swaraowa.blogspot.co.id/2017/06/swaraowa-rainforestlive-2017.html>
  - Singapore coffee festival, cooperation with Wildlife reserve Singapore (4-6 Agust 2017)
  - Joint in Prawirotaman coffee festival, local gathering coffee enthusiast (16 August 2017)
  - Presented at international wildlife symposium in Aceh, 23-25 October 2017.



Photo 3. presented at International wildlife symposium in Aceh

2. Social media is now also has function to spread the primate conservation message, our account now growing up twitter, Instagram, Facebook page, and soundcloud has their own followers and we use to send the message about primate and nature conservation. More than 2000 followers from swaraowa account, receiving update from the field, and we also receiving feedback related to primates conservation, such as reporting observation of primates, illegal primates trade from our followers. Following the reports with right action should be prepare for next coming activities.
3. The 5<sup>th</sup> Sokokembang Primate Field course  
Was succeed to be held in Sokokembang, invited 23 participants from central Java. This year we so special because of we have invited guest speaker to motivate participants, i.e DR. Andie Ang from Singapore and Rahayu Octaviani from Javan gibbon research and conservation.

Read the report here : <http://forestation.fkt.ugm.ac.id/index.php/kelompok-pengamat-peneliti-dan-pemerhati-kp3/kp3-primata/>



Photo 4. participants Sokokembang primate field course 2017



4. Sokokembang primate watching, to promote alternative eco-tour in central java, most important also providing economic income for the community in the habitat of endangered primate. <https://swaraowa.blogspot.co.id/2017/10/gibbon-watching-alternative-eco-tour-in.html>

One of the following activities from Sokokembang primate field course we assist one of the participants to conduct primate watching in his origin site. "Siregol primate watching" has succeed to be held, invite 38 participants. Read here for report:

<https://swaraowa.blogspot.co.id/2017/11/siregol-primate-watching.html>



**Photo 5. Primate watching in Kramat village**

5. We have already purchase land in Sokokembang village, in the future we want to build for Javan gibbon conservation center facilities, currently we use this place for nursery, in the future we will build this the center for conservation and education purposes.
6. Distribute 100 poster education /info graphic about Primate Species in java and our study in Sokokembang.



Photo 6 . Infographic on Javan primates and Javan gibbon in Sokokembang

## Sustainable economic initiatives

1. Mainstreaming beekeeping in the habitat of endangered primates  
3 times training in different location during a year, have been make new network for beekeepers in the habitat of endangered primates in central Java. Until end this year, there three villages has bee keeping group, in Sokokembang there about 20 colonies of stingless bee, in Kayupuring about 8 colonies, and in Mendolo about 2 colonies, these all stingless bee groups, and one group for stinging bee (*Apis cerana*) in Setipis village. Developing experience to maintain the colonies that captured from the wild is important for the groups, so we still developing the method how to split the bee colonies.

<https://swaraowa.blogspot.co.id/2017/09/pelatihan-budidaya-lebah-di-habitat-owa.html>



Photo 7. Beekeeping traning participants



Photo 8. Bee keeper in Sokokembang



Photo 9. Stingless bee honey packaging

2. Coffee production and it's marketing strategy, and creating conservation job.  
 This year harvesting season, we focused to assist coffee farmer in Mendolo village, we did two processing method for robusta shade grown coffee. From the villages (about 80 farmers) we have trained a group of farmer, than we buy their coffee cherries, to process in this group. This group already equipped with pulper machine, 25kgs/hours capacities. From the villages recently we have about 500 kgs robusta beans.  
 Our ware house in Jogja, now stored for all coffee beans, we use the place as roastery and package the beans.





Photo 10. Activities in owa coffee roastery

Kopi owa that produced in Sokokembang for local market, is now developing their own business and maintained by a family where we have been working with. We still assist to prepare the beans quality and packaging. Our coffee house in Yogyakarta is special to prepare the beans to be exported to Singapore zoo. Currently we recruit four people to work in the roaster house, the two people is from Javan gibbon habitat, we prepare them for local professional development, to maintain coffee production sustainably.





Photo 11. Kopi Owa production in Sokokembang

3. Expanding experiences and challenge to help other primate species
  - a. We have been initiate collaboration conservation work with Little fire face project to produce not only coffee that being use for fundraising, but also to assist farmers from origin kukang habitat in Garut, and mainstreaming shade ecofriendly coffee.  
[https://www.etsy.com/uk/listing/538033157/organic-shade-grown-wildlife-friendly?ga\\_order=most\\_relevant&ga\\_search\\_type=all&ga\\_view\\_type=gallery&ga\\_search\\_query=kopi%20kukang&ref=sr\\_gallery\\_1](https://www.etsy.com/uk/listing/538033157/organic-shade-grown-wildlife-friendly?ga_order=most_relevant&ga_search_type=all&ga_view_type=gallery&ga_search_query=kopi%20kukang&ref=sr_gallery_1)
  - b. Collaborative conservation work also have been initiated with Kukang Rescue Program in nort sumatera, we prepare the coffee kukang ,that will be use to promote the rescue center .



Photo 12. coffe packages for collaborative work

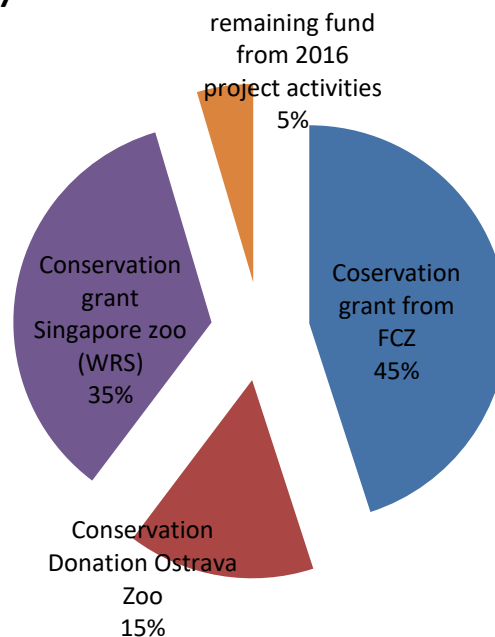
## Financial report

All the year 2017, we have been add for team member, both for field work and coffee processing team as well, we have been rise fund from coffee production and this year we have been export to Singapore, in March 2017 about 700 kgs, and in process this month (Dec 2017) about 1 ton of green beans. The funds is prepare for next year harvesting season to buy coffee and preparing certification scheme.

### Project Budget 2017

DATE received	Funding source CPCS 2016	fund (IDR)	% fund
28-Oct-16	Coservation grant from FCZ	192,700,000	45
5-Jan-17	Conservation Donation Ostrava Zoo	25,842,895	15
18-Aug-17	Conservation Donation Ostrava Zoo	39,586,649	
29-Jun-17	Conservation grant Singapore zoo (WRS)	73,702,615	35
14-Nov-17	Conservation grant Singapore zoo (WRS)	76,691,930	
	remaining fund from 2016 project activities	19,634,230	5
	Total budget in 2016	428,158,319	

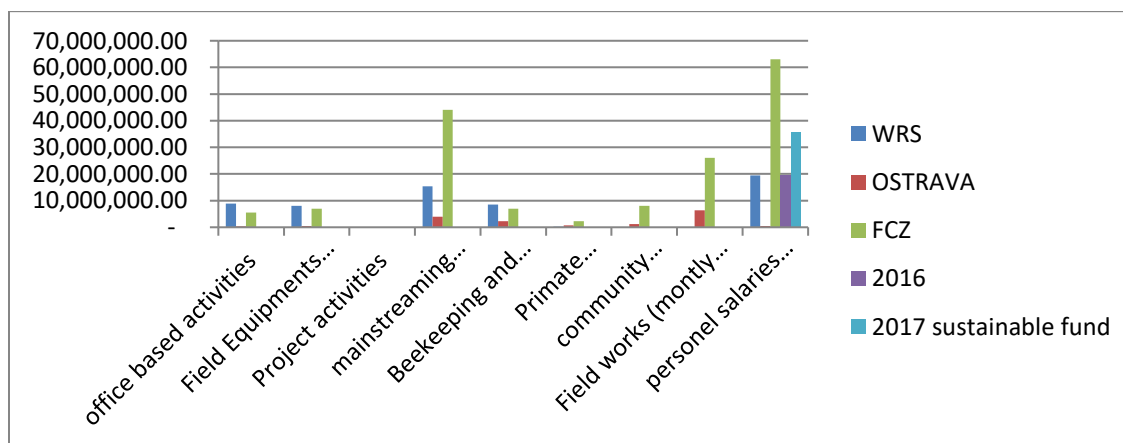
### Project Budget 2017



## Total expenses 2017

Item/Activities	Total Expenses (IDR)	Total expense (USD)
office based activities	14,645,623	1,084.86
Field Equipments (field vehicle, camera, community development stuff)	15,552,000	1,152.00
<b>Project activities</b>		-
mainstreaming primate conservation and education (Publication and conservation campaign; trainings, and community meeting)	63,341,220	4,691.94
Beekeeping and related development activities	17,790,000	1,317.78
Primate monitoring and related activities	3,275,000	242.59
community development activities, supporting sales and marketing of forest products, community development for coffee, warehouse activities and team capacity developments	9,200,000	681.48
Field works (monthly field work, survey/research and related local transport and field accomodation)	32,385,000	2,398.89
personel salaries (Project manager, beekeeping expert, community development specialist, coffee processing team, and book keeper and field guide )	102,600,000	7,600.00
Total expenses	258,788,843	19,169.54
<b>Remaining fund 2017</b>	169,369,476	12,545.89

Graphic, 2017 expenses



**SwaraOwa Team**

On October 2017, we have establish Swaraowa foundation and legalized by Indonesian authority as non profit organization, with number registration : **AHU-0011094.AH.01.04**. Tahun 2017.

**Board :**

1. Prof.Dr.Dvm. Pudji Astuti, email : [pastuti2@yahoo.com](mailto:pastuti2@yahoo.com)
2. Ahmad Arif Fahmi, email : [arieffahmi95@gmail.com](mailto:arieffahmi95@gmail.com)

**Field Team :**

1. Arif Setiawan (Director)
2. Mei Ardhy M (Community development specialist)
3. Teguh Hindriadi (Finance manager)
4. Sidiq Harjanto ( Beekeeping expert)
5. 4 people for coffee, other forest product processing and marketing.

**Acknowledgement:**

We would like to thanks to Fortwayne Children's Zoo, Wildlife Reserve Singapore and Ostrava Zoo for funding to this project.