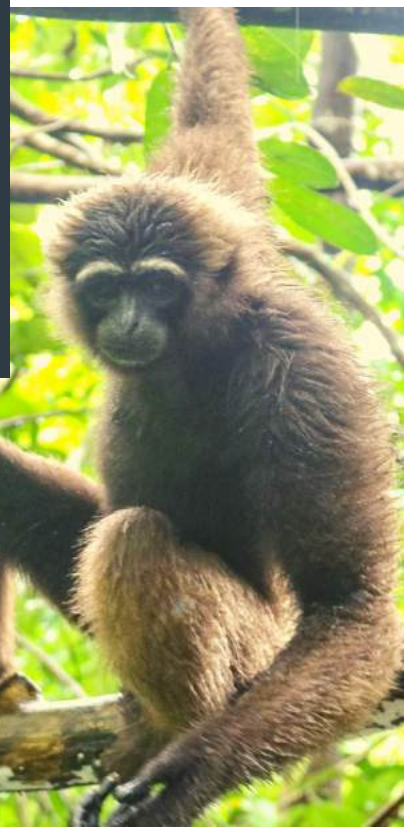




# 2018 Annual Report

Alam Sehat Lestari



**ASRI**  
ALAM SEHAT LESTARI

Saving Forests. Saving Lives.



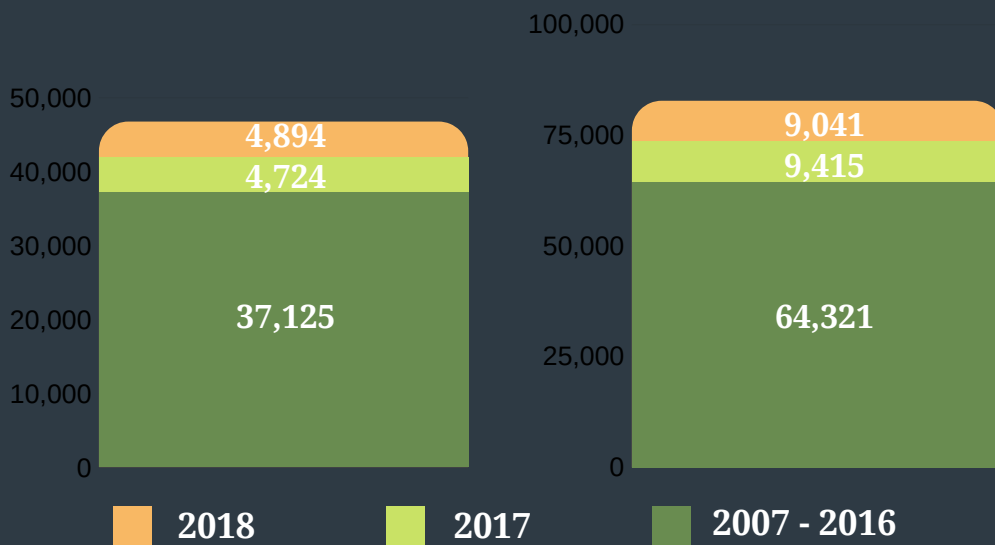
# HEALTH

## Visit and Diagnoses

In 2018, 4,894 individual patients accessed health care at ASRI Clinic including general medical treatment, dental care, maternal and child care, and more.

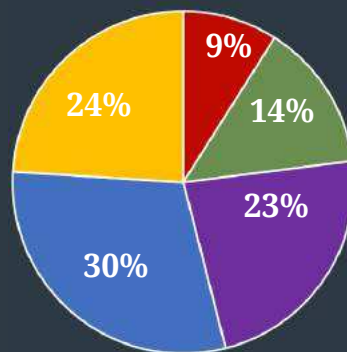
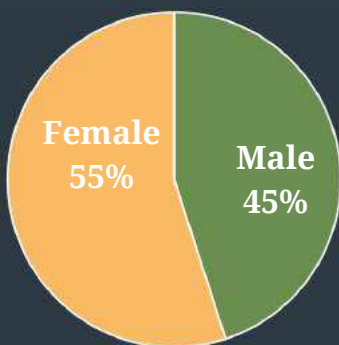
### • Individual Patients

### • Visits



### • Gender

### • Visits By Eco-Status



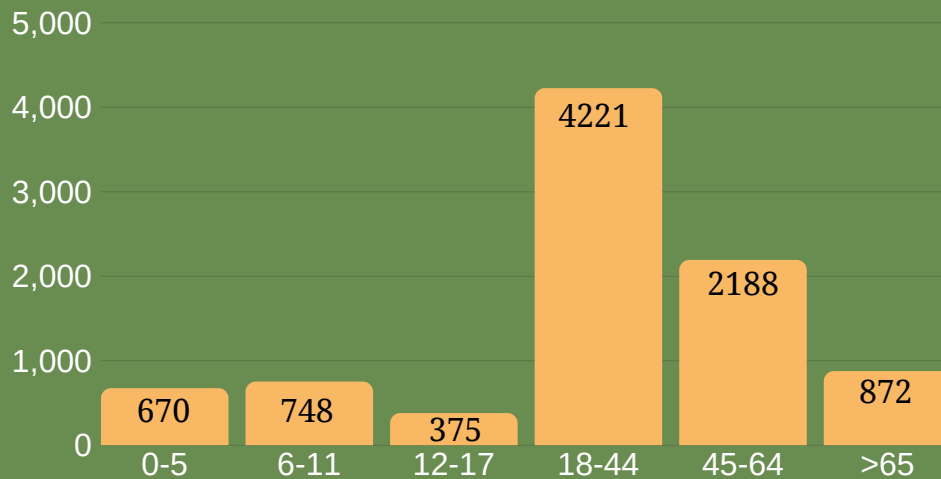
- Outside ASRI's operational area
- Not bordering national park, no logging
- Forest protected, no logging
- More than 4 active logging indicators
- 1-3 active logging indicators



# HEALTH

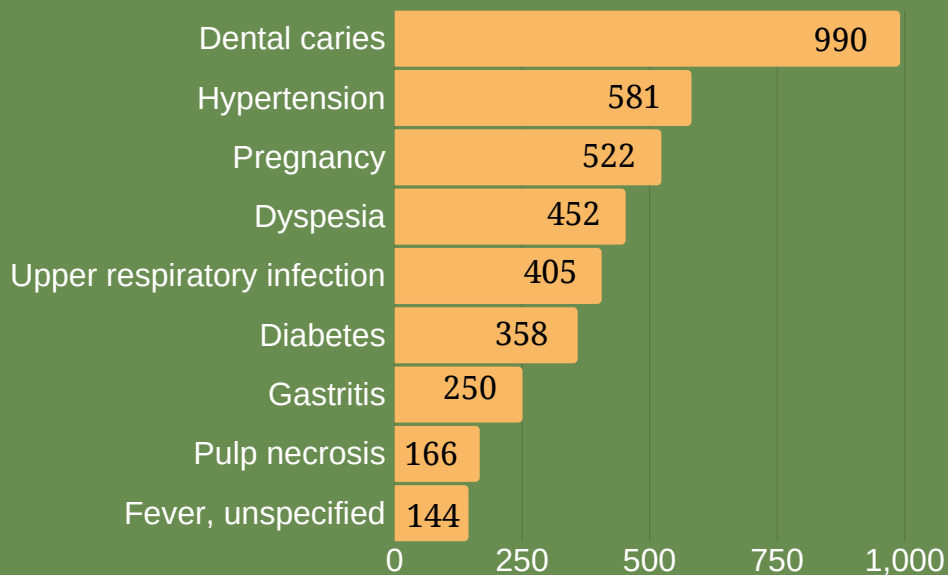
## Visit and Diagnoses

### • Visits by Age



Nearly half the patients accessing ASRI health care were of reproductive age, 18 to 44 years old.

### • Top Nine Diagnoses



Dental caries, hypertension, and pregnancy-related cases were the most common diagnoses in 2018.



# HEALTH

## Mobile Clinic and DOTS

### • Mobile Clinic

The Mobile Clinic brings health services to patients in remote areas. Every month, ASRI's Mobile Clinic visited Jihing and Matan sub-villages in two different villages in Kayong Utara District. In September 2018, the Mobile Clinic expanded to Mawang Mentatai and Nusa Poring villages in Melawi District.

### • Matan & Jihing

**2** villages  
**12** trips  
**415** patient visits  
**166** individuals

### • Melawi

since September 2018

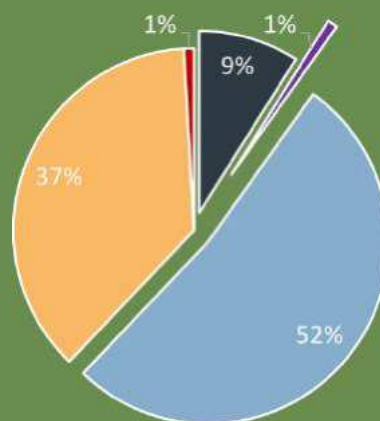
**2** villages  
**4** trips  
**416** patient visits  
**335** individuals



### • DOTS Strategy against Tuberculosis

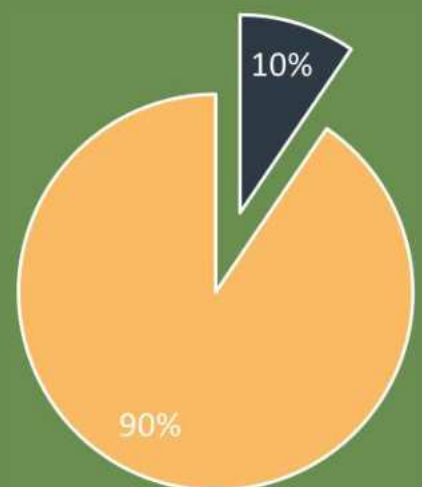
ASRI's Directly Observed Treatment Short-course (DOTS) ensures that every tuberculosis (TB) and leprosy patient takes regular doses of their medication. In 2018, 10 DOTS workers helped 111 TB patients and 21 leprosy patients.

#### • Tuberculosis



Died  
 Referred  
 Continued treatment  
 Finished treatment  
 Dropped out

#### • Leprosy



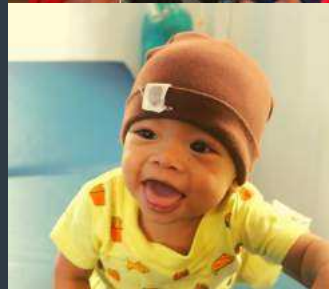


# HEALTH

## Preventative Medicine

### • Immunizations

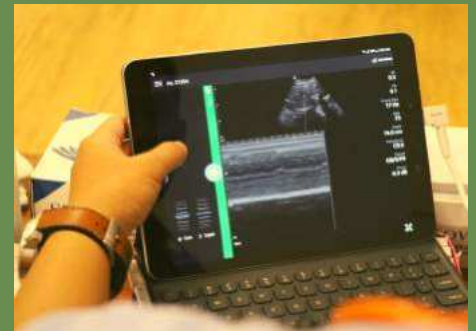
HB O	10
BCG	35
Polio 1	30
Polio 2	39
Polio 3	37
Polio 4	11
Polio injection	24
DPT/HB/Hib 1	37
DPT/HB/Hib 2	33
DPT/HB/Hib 3	37
DPT/HB/Hib advanced	6
Measles	15
Measles advanced	4
TT1 pregnant mother	2
TT2 prgenant mother	6
TT Catin	4
TT Booster	80
MR	104
<b>TOTAL</b>	<b>477</b>



### • Birth Control

Condom/ pieces	53
Pil/ person	21
Depo shots (3 months)/ person	57
Depo shots (1 months)/ person	24
IUD	5

ASRI improves access for the community to get contraception for family planning.



Immunizations for babies are offered at the ASRI Clinic on the third week of every month. ASRI obtains its vaccines from the Kayong Utara District Health Office and assists the Health Office with its immunization goals.

# HEALTH

## Health Education, Ambulance and BPJS (Indonesian National Health Insurance)

### • Health Education

89

sessions

2057

attendance

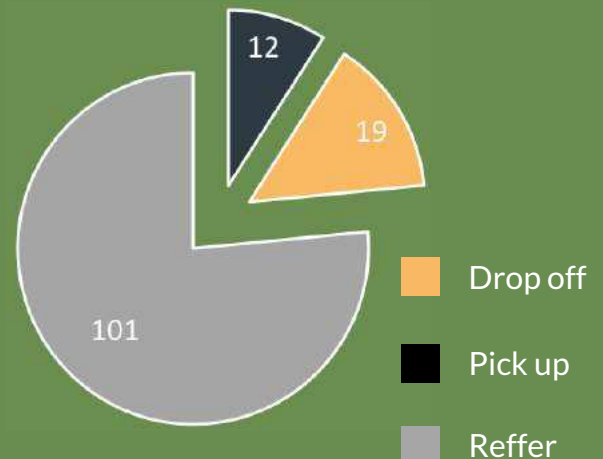
Topics included:

birth control, hepatitis, smoking, air pollution, pertussis, tinea fungal infection, diabetes mellitus, hypertension, GERMAS (government-sponsored healthy lifestyle education), dental care

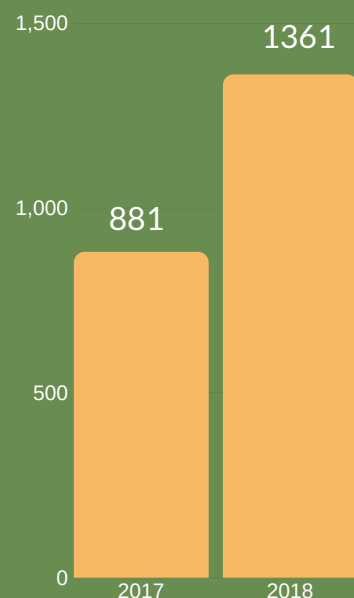
Health education expanded to include the ASRI Clinic waiting room and a local radio station.

We will continue health education through the Mobile Clinic, presentations in high schools, community meetings, the ASRI Kids and Teens programs, and Forest Guardian meetings.

### • Ambulance



### • BPJS

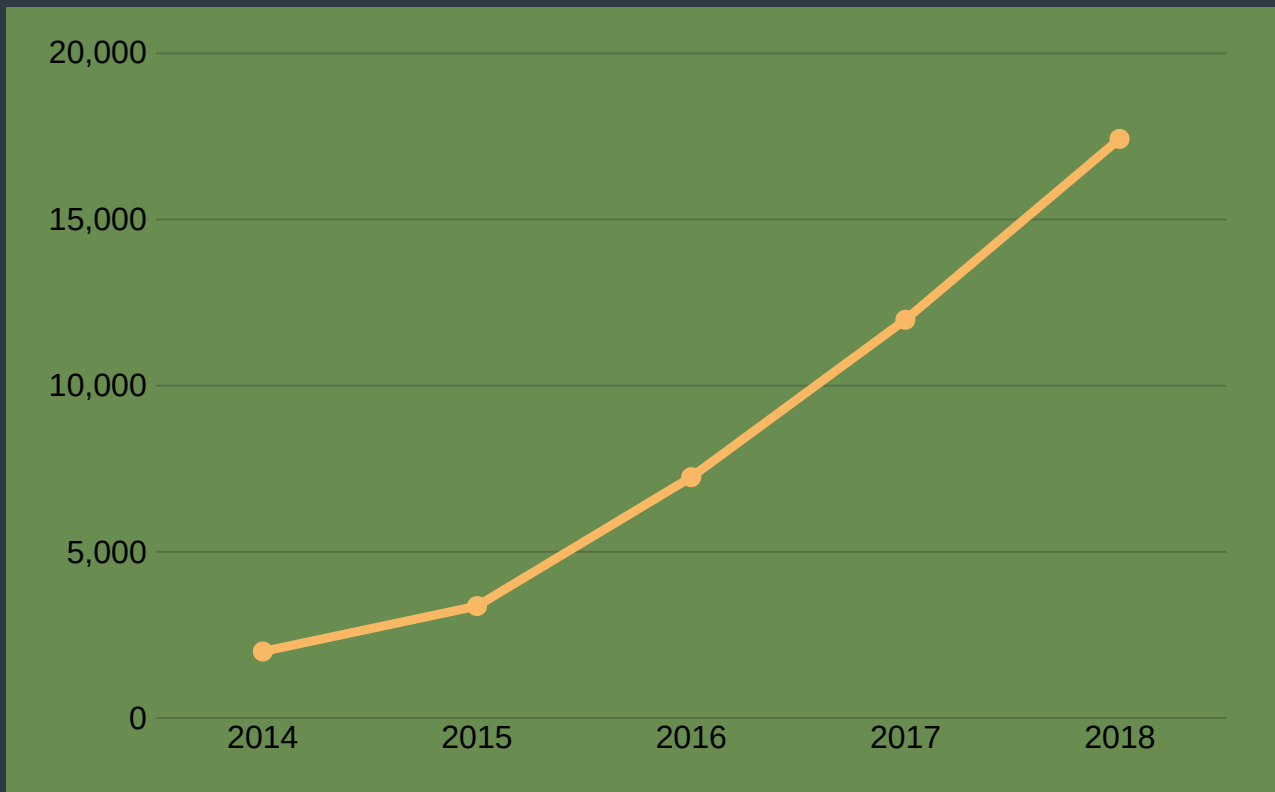


The number of BPJS members who chose ASRI as their primary-care facility increased from 881 (in 2017) to 1361 (in 2018).



# Non-Cash Payments

## Seedlings from Patients:



## Other Non-Cash Payments from Patients:

HUSKS

574 kg



MANURE

469 kg



EGGSHELLS

5 kg





# HEALTH

## Clinic Update: New Facilities

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In 2018 ASRI opened new health care facilities including an X-ray machine, an ambulance, and blood tests.





# HEALTH

## Bukit Baka Bukit Raya Clinic

Starting in September 2018 ASRI provides healthcare for communities in two remotes surrounding Bukit Baka Bukit Raya National Park: Mawang Mentatai and Nusa Poring.

ASRI set up a clinic in each of these villages (one in Beloyang sub-village of Mawang Mentatai, and one in Nusa Poring). Then we have a midwife in each of these villages. In addition, ASRI runs monthly mobile clinics to serve both villages.

- **Mawang Mentatai**

Individual Patients

92

Visits

172

- **Nusa Poring**

Individual Patients

209

Visits

242



# PLANETARY HEALTH EDUCATION Outreach

8  
1  
2018

- In Clinic Waiting Room

26

sessions

637

people



- In Villages

10

sessions

701

people



- Radio Broadcasting

13

sessions

from January to June





# PLANETARY HEALTH EDUCATION

## Field Courses & Volunteering

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**61** visitors

- 6** Medical
- 1** Education
- 2** Marketing and Communication
- 11** Guests and Donors
- 2** Indonesian Volunteers
- 10** Medical Group (University of Montana)
- 28** Non-Medical Group (The Ohio State University and Yale-NUS)
- 1** Veterinary



In 2018 ASRI hosted 61 visitors from Indonesia, Canada, the United States, the United Kingdom, Singapore, and Cyprus. We exchanged knowledge about education, hospital management, medical skills, photography, and more.



# PLANETARY HEALTH EDUCATION

## ASRI Kids & ASRI Teens

### ASRI Kids:

106 kids from 3 schools plus 1 group at ASRI Clinic

Name of School	Number of Students
SD 14 Sedahan Jaya (continuing from 2017)	23
SD 07 Semanai	23
SD 20 Penjataan	20
ASRI Kids Sei. Mengkuang (2 groups)	40
<b>TOTAL</b>	<b>106</b>

*ASRI Kids learned about: the globe, Indonesia and Borneo maps, animals around the world, tropical rain forests, protected wildlife of Gunung Palung National Park, environmental threats, organic and plastic waste, making recycled paper, washing hands & healthy food, brushing teeth, biodiversity, coral reefs, habitats, and adaptations. They took field trips to a mangrove forest, the ASRI Clinic, and the ASRI Organic Garden.*



### ASRI TEENS:

64 students from junior and senior high schools gained planetary health education through classes, field trips and camps.

- 18 ASRI Teens members
- 24 Planetary Health Camp participants
- 22 Planetary Health Field Trip participants

*ASRI Teens learned about: ecosystems of Earth, biodiversity and health, environmental threats, climate change, zoonotic disease, Planetary Health, and symbiotic relationships.*





# PLANETARY HEALTH EDUCATION

## ASRI Kids & ASRI Teens

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### NEW: Planetary Health Camp

On November 10, 42 youth participants (24 students from 6 public high schools plus ASRI Teens) joined the first ASRI Planetary Health Camp.

Participating schools:

- SMA 1 Sukadana
- SMA 2 Sukadana
- SMA 3 Sukadana
- SMK Sukadana
- SMK Al Aqwam
- MAN Sukadana



### NEW: Planetary Health Talks

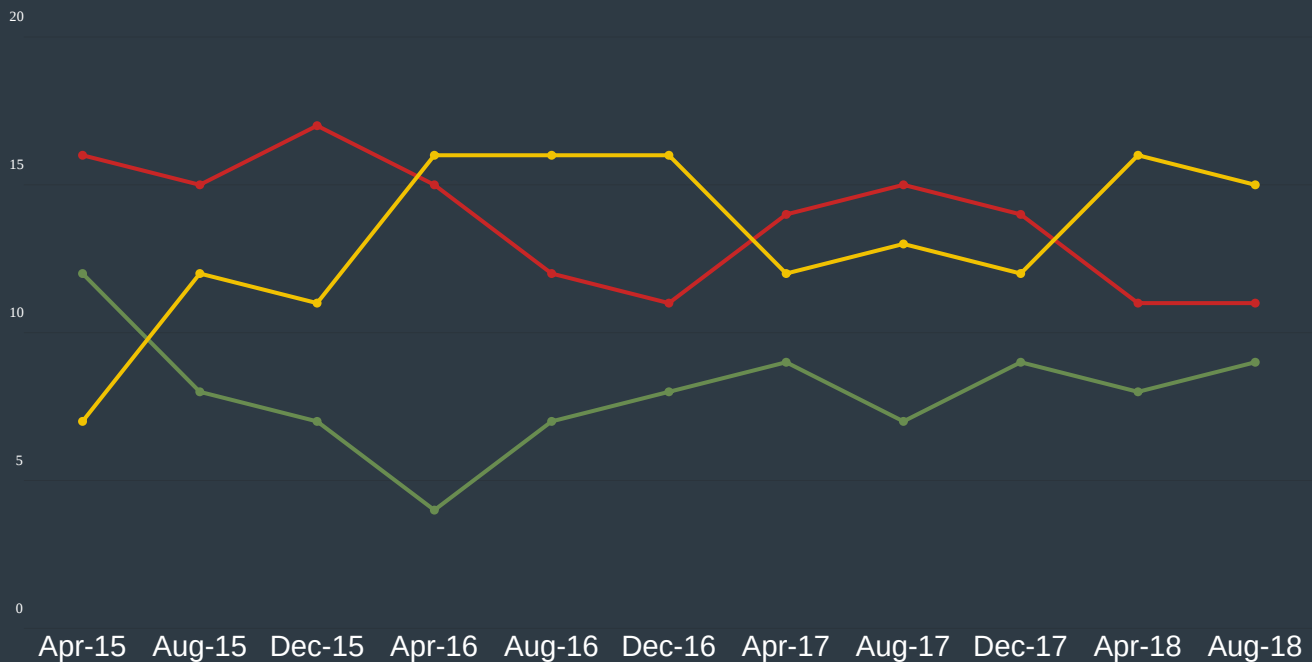
In 2018 ASRI presented at five events including a workshop, conference, seminar and online course. The total number of participants was **270**

*Invitation from: Balai Taman Nasional Gunung Palung (BTNGP), Bentang (NGO), Balai Konservasi Sumber Daya Alam (BKSDA), Oxford University, Tanjungpura University.*



# CONSERVATION

## Deforestation Monitoring



ASRI offers tiered health-care discounts to villages that decrease illegal logging activity, based on monitoring three times per year. The highest tier is green (70% discount), followed by yellow (50%), and red (30%).

Of the 35 sub-villages monitored from July to December 2018, one changed from Red to Yellow, and one changed from Yellow to Green. These changes are a sign that less illegal logging is taking place.

Red	11 (31%)
Yellow	15 (43%)
Green	9 (26%)



# CONSERVATION

## Deforestation Monitoring: Forest Guardians



- Almost all Forest Guardians enthusiastically joined ASRI programs in their villages
- ASRI employs 30 Forest Guardians distributed across 30 sub-villages in 16 villages. Due to new National Park zones and borders, as well as increasing illegal activity in specific sub-villages, ASRI hired 5 additional Forest Guardians in 2018.

*The new Forest Guardians are from the following sub-villages: Parit Bugis, Air Pauh, Semanjak, Sinar Selatan, and Sinar Timur.*

- Forest Guardian activities in 2018 included monthly meetings, mid-year and end-of-year contract meetings, mediating ASRI community education events, monitoring logging activity, and daily outreach with their neighbors to explain ASRI programs such as Chainsaw Buyback and seedling nurseries to pay for health care.

## COMMUNITY OUTREACH

**10,431** people

**30** sub-villages

# CONSERVATION

## Alternative Livelihoods: Sustainable Agriculture

### Farmers' Groups by the Numbers:

- **17** active farmer groups
- **10 out of 17** groups are independent from ASRI
- **5 out of 10** groups mentioned above have registered with local government
- **67 cows and 58 goats** are owned by the farmers



- Tani Jaya farmers' group was successfully granted government support worth IDR 350 million, including: 10 cattle and housing, a three-wheel vehicle, supplies to build storage, and a water pump.
- Parit Mulia farmers' group produced 700 kg of organic fertilizer per week and sold it for IDR 6,000 per kg. Each of the farmers owns 1 hectare of paddy fields and has recently harvested the rice.
- Nata Belian farmers' group has sold one of their cattle at the price of IDR 22 million.





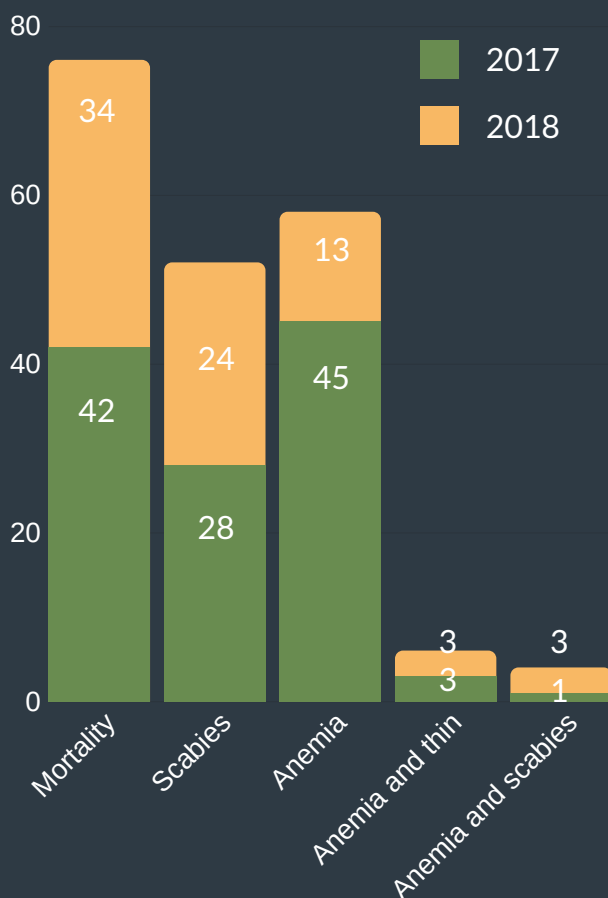
# CONSERVATION

## Alternative Livelihoods: Goats for Widows



### Goats for Widows:

- Goats of **98** widows were checked monthly to monitor health and husbandry
- And **27** widows sold goats. 21 paid for daily economic needs, 1 for health care, 1 for savings, 1 for home repairs, and 3 for baby showers or weddings.



Health and Mortality of Goats

- **8** new widows were added to the program
- **28** widows left the program
- **54%** widows paid a baby goat back to ASRI



# CONSERVATION

## Alternative Livelihoods: Chainsaw Buyback



- **ASRI have collected 85 chainsaws since the program launched in 2017**
- 21 active loggers sold their chainsaws and started alternative livelihoods in 2018, for a total of 45 active loggers participating since the program launched in 2017.
- 27 in-active loggers joined the program in 2018. In total since 2017, ASRI has spent IDR 119,100,000 to buy chainsaws from 40 passive loggers.
- ASRI distributed IDR 199,214,500 of micro-loans to former loggers, for a total of IDR 444,823,500 since 2017.

### Businesses started:

Store/shop	12
Fisherman	8
Peddler	8
Chicken farming	8
Petrol shop	7
Farmers	11*
Sugar cane drink	4
Barber shop	3
Motorcycle wash	1
Fish farming	2
Fruit ice drink	2
School canteen	2
Coffee shop	1
Prawn crackers	1
Rice mill	1
Fried shop	1
Brick	1

\* 6 vegetable farming, 5 rice farming

- **76% (59 out of 78) of small businesses started by former logging households are still running well.**





# CONSERVATION

## Alternative Livelihoods: Green Kitchen

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100%

Actively  
Gardening

96%

Using Organic  
Fertilizer

96%

Using Organic  
Pesticides

60%

Successful  
Harvest

96%

Selling  
Produce

98%

Growing for Own  
Consumption

66%

Producing  
Own Seeds

324

Active  
Participants



# CONSERVATION

## Reforestation

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### New in Conservation

ASRI helped develop the Riam Berasap ecotourism initiative. ASRI will continue to support it by supplying seedlings for ecotourists to plant and providing bicycles for tourists to ride.

### Laman Satong Site

- Seedling collection within and around Gunung Palung National Park
- 7.5 hectares planted with 23,250 seedlings from 24 species
- 720 seedlings planted as a part of ecotourism, where each visitor to Riam Berasap planted trees in the Laman Satong site
- Maintenance of fire break around reforestation site to anticipate long dry season
- In September 2018, a huge wildfire originating on an oil-palm plantation threatened the Laman Satong reforestation site. Luckily, ASRI staff patrolling during day and night anticipated the fire and prevented damage.

### Sedahan Jaya Site

- Wildlife monitoring through camera traps
- Planning to expand the Sedahan Orangutan Corridor by reforesting 8 more hectares in 2019 and 2020





# CONSERVATION

## Reforestation

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### ASRI Clinic Site

- We collected 8,401 seedlings from patients as non-cash payments from July to December 2018, which means the total seedlings received in 2018 is 17,427 seedlings of 38 tree species.
- We planted seedlings in the mini forest behind ASRI Clinic. To track their progress, we measured the trees and put a species label on each.

### Rantau Panjang Site

- Together with 29 land-owners in Rantau Panjang, we successfully planted 10,148 seedlings of 20 species.
- We will be measuring the survival rate in February 2019, then continue with maintenance in March 2019 and September 2019.

### Mentubang Site

- We obtained a permit from Gunung Palung National Park to start work at the Mentubang site and kicked off the Garden to Forest Program to replant illegal gardens within the Park.
- We formed the first group of land owners, consisting of 32 farmers who enrolled and signed a Conservation Agreement. Two more groups will be formed in 2019.
- We built a nursery with capacity for 25,000 seedlings.
- Out of 100 Ha of total garden area, 32 Ha have been planted, while 68 Ha more will be planted in 2019.