

EDUCATING THE NEXT GENERATION OF FOREST GUARDIAN



WELCOME

Without the kindness we have received from friends, supporters and strangers, The Jungle Library Project could never have existed. This truly is a collaborative project founded on a common purpose: a love for wildlife and the protection of the natural world.

From the fundraiser we launched at the beginning of 2019, we received more than €3,500, which was enough to support our education program for a whole year. Every cent went towards conservation activities in South Sumatra.

Our activities also received a stamp of approval from the Biodiversity and Conservation Agency of South Sumatra and the provincial education boards of Lahat Regency and Musi Rawas Regency, who gave us access, accommodation and support. We were further aided and supported by NGOs such as GreenBooks.org and so many people who always trust and support our project.

Thanks to everyone's help, we were able to bring our education program to 198 pupils from 10 schools in the border zones of the Kerinci Seblat National Park (one schools) and the Isau-Isau Pasemah Wildlife Reserve (nine schools).

The funding also gave us a chance to carry out side-projects such as the Mobile Library Program, for which I dragged eco-literacy books to the riverside for some reading after school. Thanks to a donation of binoculars, I was able to take students to go bird watching in the Kerinci Seblat National Park and The Border of Isau-Isau Wildlife Reserve, which helped them to understand the vital role of birds in the cycle of life.

Another side-project carried out this year was the Flora Conservation Act, for which I rescued wild and rare orchids from land cleared for plantations near the Kerinci Seblat National Park — none of this would have happened without your help.

In this report you will learn more about our curriculum, read some of our success stories and see how our students did in their pre-tests and post-tests, their knowledge index jumping from an average score of 40 % to 65 %. It show their knowledge raise 25 % after they have environment education program in a year.

We achieved great things. And more is to come. My heartfelt thanks goes out to all who supported us, helped us and believed in us this year!

Pungky Nanda Pratama
The Jungle Library Project Environmental
Educator & Co-founder



INTRODUCTION

Sumatra is one of the most biodiversity hotspots on earth. The tropical island in the Indonesian archipelago is home to some magnificent species — like the Sumatran tiger, Sumatran rhino, Sumatran elephant, Sumatran Orangutan, Sumatran serow, sun bear, clouded leopard, Sumatran dhole and many, many more.



Alpha male Orangutan in the habitat

Jungle Library Project is an environmental education programme for children living in regions undergoing intense deforestation and human-wildlife conflict. Through a comprehensive environmental education programme, we try to encourage a new relationship between people and nature — one that is sustainable and mutually-beneficial.



Endemic Parasitic Flower (*Rafflesia arnoldii*)

Existing Environmental Issues

Logging, poaching and illegal plantations are rife all over the Indonesian archipelago. Even inside the national parks, where virgin rainforest should flourish, wild animals are still wrenched into the illegal pet trade, and trees are still toppled to make way for profit.



Forest Degradation due to Illegal Plantation inside Isau-Isau Wildlife Reserve

Faced with higher living costs for education, motorbikes and electricity, modernisation has pushed the indigenous people who live on the border of some of Indonesia's last green wildernesses to find new sources of income. Villagers are increasingly forced to cut, traffic and sell their natural wealth — oftentimes illegally so.



Bird On The Cage due to Song Bird Poaching

“We at The Jungle Library Project do not want to condemn villagers, many of whom are doing their best to provide for their families. The problem is that if their children grow up with this way of life, it becomes the norm”

SOLUTION

“If the local society is not educated, we can give any amount of money to save a rainforest, and conservation won’t go anywhere. Conservation and education must go hand-in-hand.”

Though not usually up there as a high priority in conservation, education is one of the keys to counteracting the destructive practices that threaten the health of environment.

We have therefore developed a comprehensive environmental education programme, which aims to support the government’s designation of wildlife refuges and national parks through the education of the villagers living inside or near such areas.

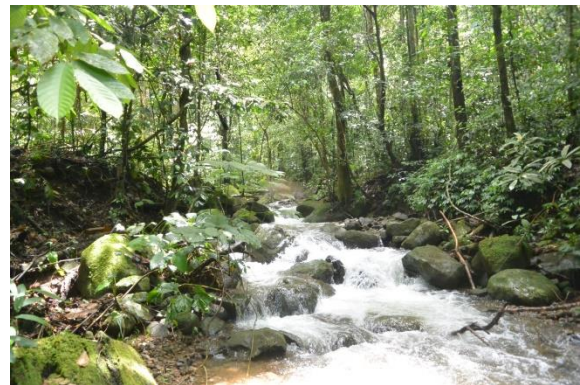
We hope that they will take up alternative career paths that conserve, rather than destroy the natural world, and become guardians of the forests that still provide many Indonesians with clean water, food and protection from environmental disasters.



Programme sites, Selangit District (top) and Pagar Gunung District (bottom) , South Sumatra

Thanks to the success of our fundraiser, in March 2019 we were able to carry out our environmental education programme in 10 schools in two areas within the province of South Sumatra:

- Isau-Isau Pasemah Wildlife Reserve (Pagar Gunung District, Lahat Regency)
- Kerinci Seblat National Park (Selangit District, Musi Rawas Regency)



Water Resources for people come from Isau-Isau Wildlife Reserve



Wildlife habitat for Endangered and Protected Species inside of Kerinci Seblat national Park

EDUCATION PROGRAM

We Teach Kids in One Period/ a Year (Since March 2019 till March 2020), we have taken 198 pupils through our education programme.

Target:

8- to 10 year-olds. (4th to 6th grade students in Indonesia)

Teaching Method:

Two hour lessons, twice a month, for nine months — 36 hours with percentage 80% Outdoor and 20% Indoor.

Lesson:

The Jungle Library Project's education programme — five main topics areas, including indoor and outdoor classes:

1. Our Forest, Our Life
2. Animals and Their Lives
3. The Importance of Rivers to Our Lives and the Ecosystem
4. Trash, Pollution and the Solution
5. Human-wildlife Conflict

The aim is for the future generation to take on sustainable career paths rather than endangering their own lives with landslides, flooding, food shortages, forest fires and devastating drops in the water table. These are the consequences of deforestation and the collapse of ecosystems



A pupil with his Food Chain Presentation
Lesson Animals and Their Lives



Pupils learning about the role of rivers in the ecosystem



A pupil observing the parts of plant during a lesson on Our Forest, Our Life



Pupils doing a village clean-up to learn about rubbish and pollution

PROGRAMME AIMS

Educational Impact:

Based on the education we share, we hope the students will become our messengers, spreading clear information to friends, parents and family around their villages. The younger generation will be next generation of forest guardians, so the best way to raise awareness is by creating a generation that is already aware.

Our education programme is guaranteed to teach students essential knowledge about the natural world, and make the younger generation more open-minded towards nature. Slowly but surely, they will become aware about the environmental issues in their area and will discontinue their parents' damaging practices. As a result, parents will start to think twice before participating in illegal activities or other activities that destroy their biodiversity, land and water.

Ecological Impact:

We hope the young generation will choose alternative career paths, reducing poaching and deforestation, and so slowly re-generate the forest that was lost. Supported by reforestation programmes, this could be done even faster. We want to invite people to work together in this aim in the coming years.

Social Impact:

The education programme will clear up misconceptions about nature with scientific facts, making way for open discussions that will change the mind sets of the people that are currently destroying the forest. We hope that in time, behaviours will change and become more environmentally-friendly.

Our education programme will make people realize how delicate our ecosystem is, and how important our role is in protecting it



Yoga (Left) and Denis (Right) help to re-potting plants in greenhouse for preserving native flora efforts



Kids picking up plastic trash in the river banks to reduce plastic pollution in environment

SUCCESS STORY



Kevin and Little Snake

This is happiest moment in my life! To see How happy this kid holdings a little Bronzeback snake (Dendrelaphis sp.) Before we release him back to wild. Introduce you Kevin, he is the first students that I know didn't scared with Snake and So proud he try to rescue a lil snake who enter our classroom.

I heard every body screaming and scared with snake but this kids understand this snake not harmful for human. After he handling this snake he tells to his friends to not scared with snake because they are beautiful and he tells me he want to be a Police Forest when he grows big and make me got goosebumps.

Kids over here still have bad mindset about snake and they are thinking, they need kill every snake because snake could kill us but seeing Kevin doing right things and with good knowledge we still have a hope, we could erase bad mindset in young generation and make them more aware and respect to our mother nature.



Kids and Endangered Orchids

See this picture truly give us hope, young generation aware to do little thing to help nature. Logis (left) and Darel (right) they both are kids who living in the border of Kerinci Seblat National Park who help us to planting Endangered orchid called slipper orchids (Paphiopedillum superbiens) endemic to South Sumatra

Most of kids parents in this area have plantation and most of the plantation inside of national park, or they do illegal logging or poaching activities. Education is the key to cut the wrong mind set and could open their mind we need protect nature and wildlife for our future because nature provide us Food, Water and Air Freely.

Seeing they have initiative to help me then they ask me, are they allowed to help me in the greenhouse to planting some plants? Definitely I said Yes “ that's make me get goosebumps because their initiative showed they more aware with mother nature

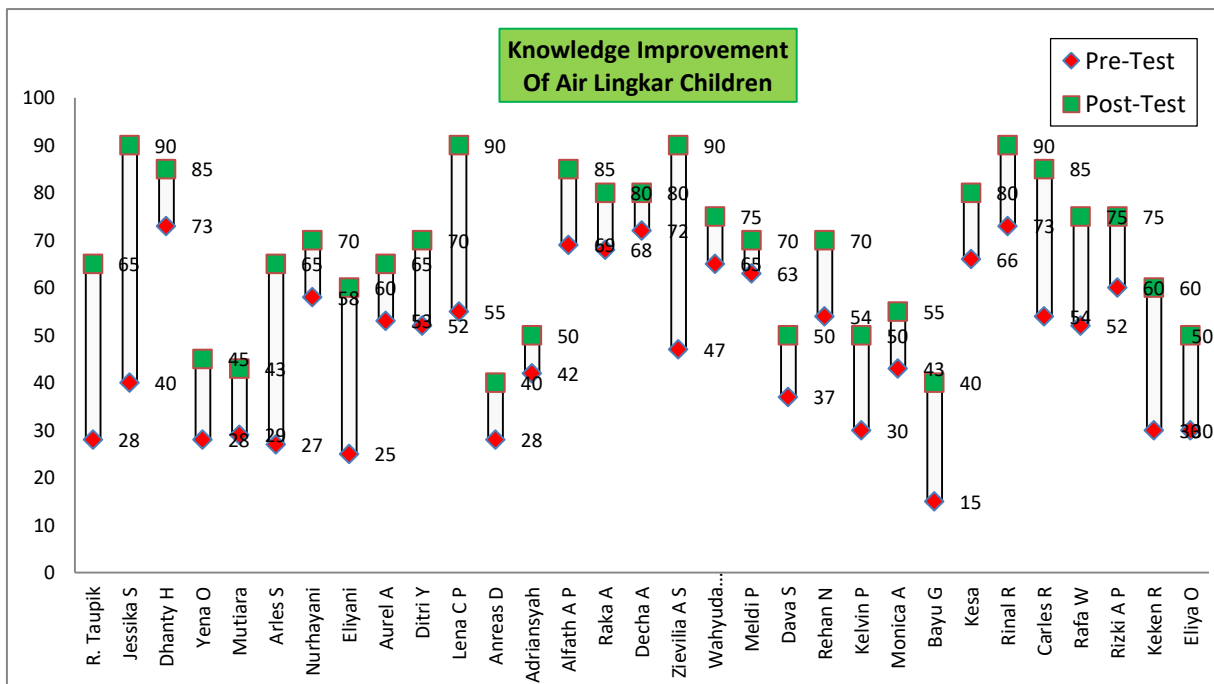
RESULTS

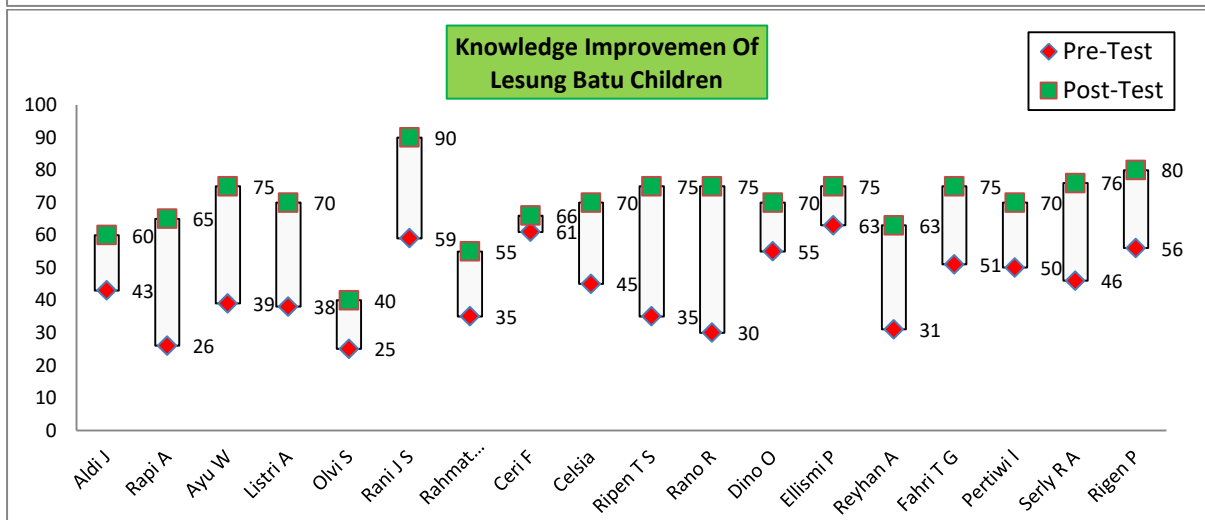
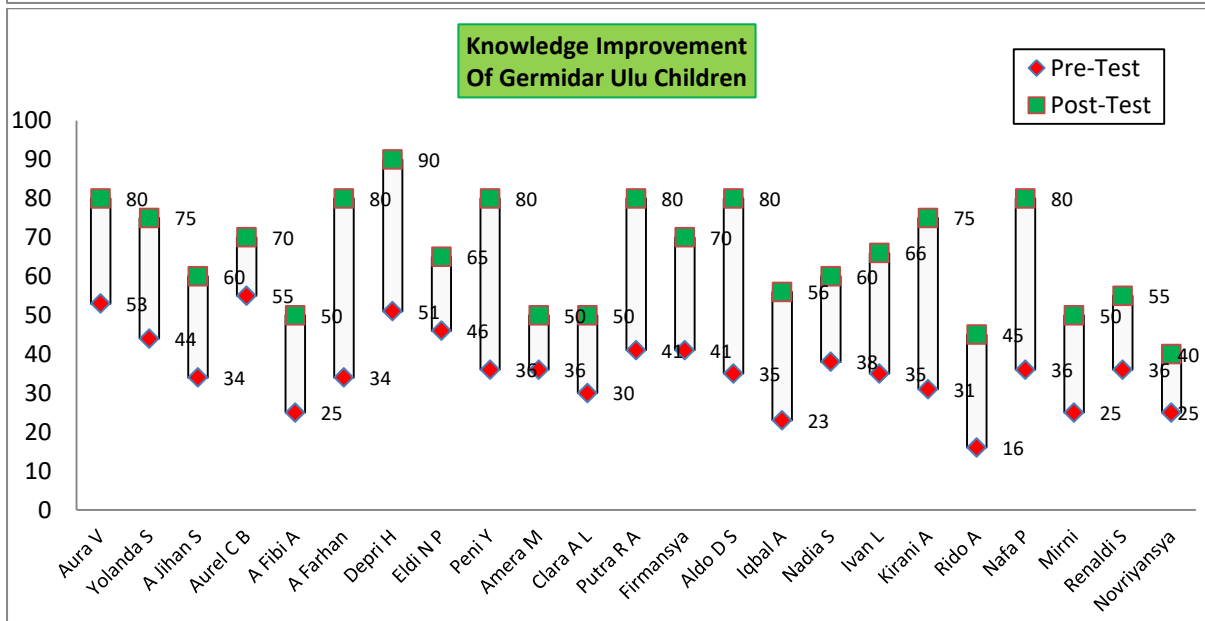
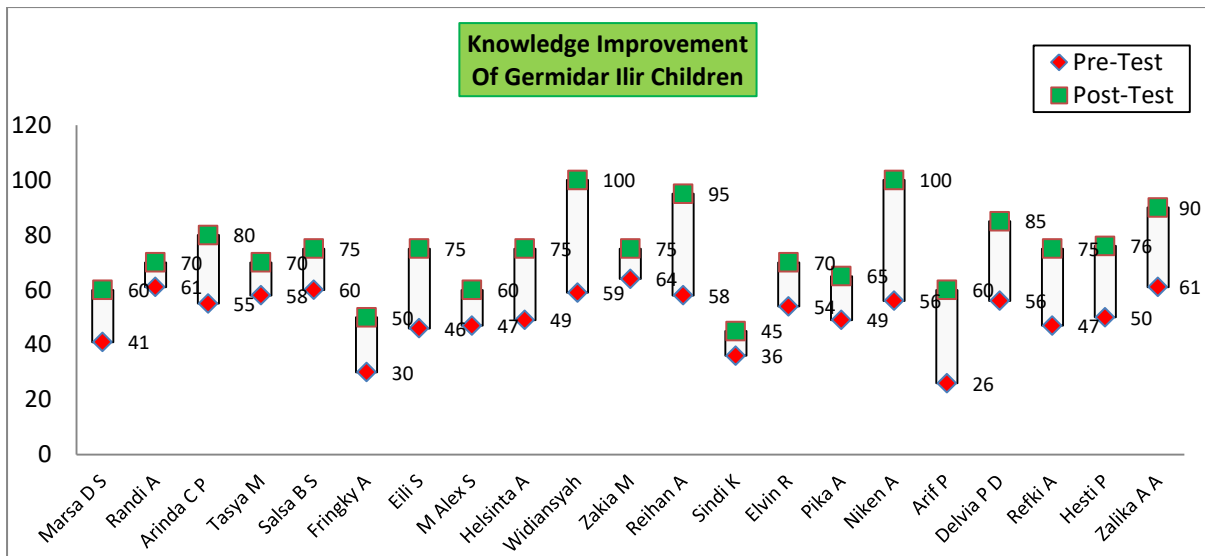
After one period (March 2019 – March 2020) of running our education programme in South Sumatra, all of the students we taught showed a significant increase in their awareness about nature and wildlife. Some of the students now invite Our Educator to release wild animals that they saved from their parents — animals like song birds, turtles, Asian Giant Tortoise, soft shell turtles and even Monkey.

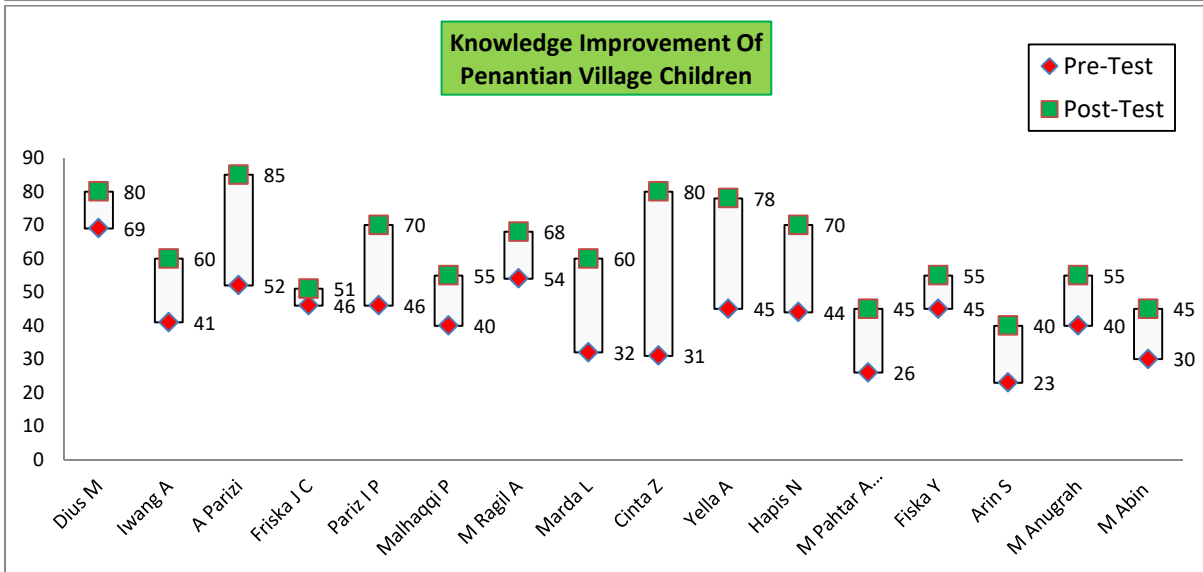
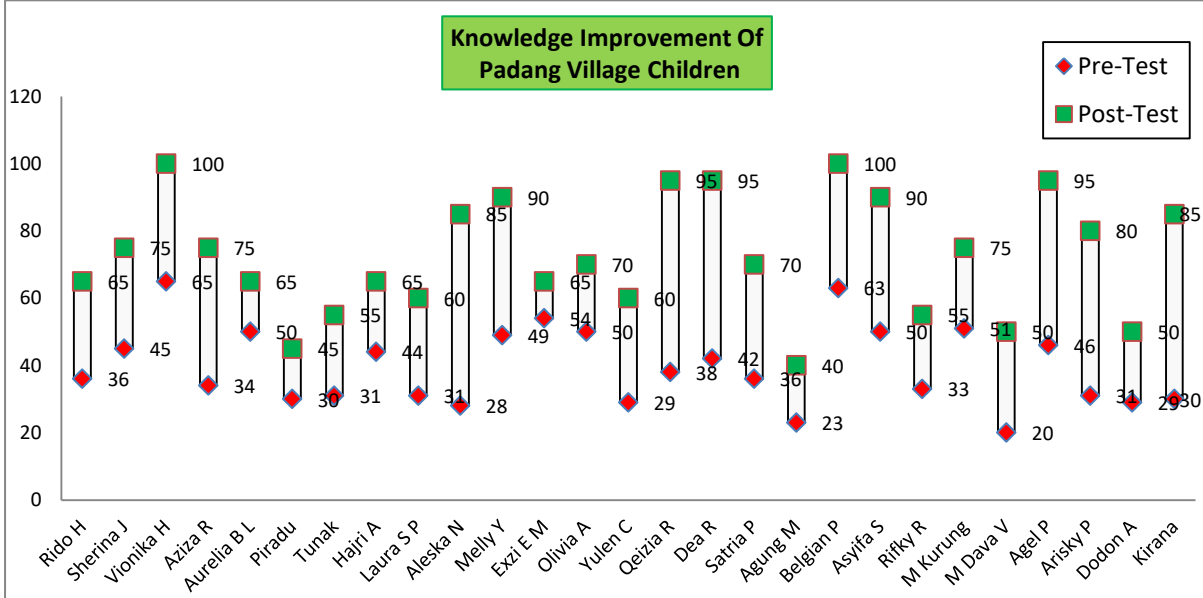
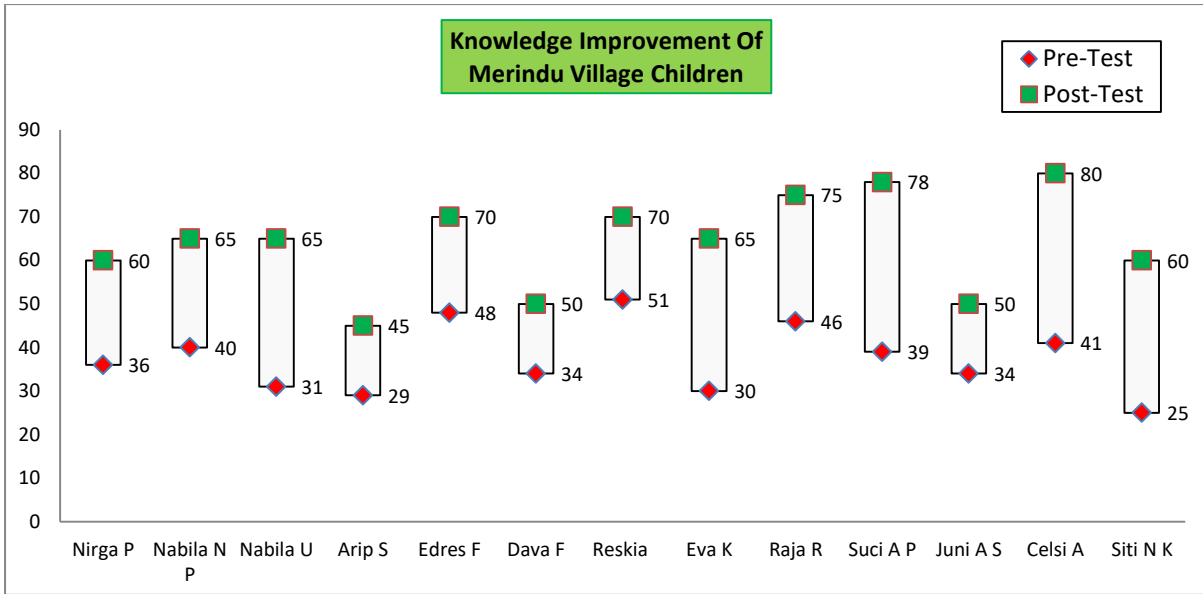
One thing that clearly indicates an improvement in their knowledge is the difference between their pre-test and post-test results. They got very low scores for the pre-test — averaging 40 — but after going through the programme with us their scores greatly improved — averaging 65. This was seen in their post-test scores (shown below).

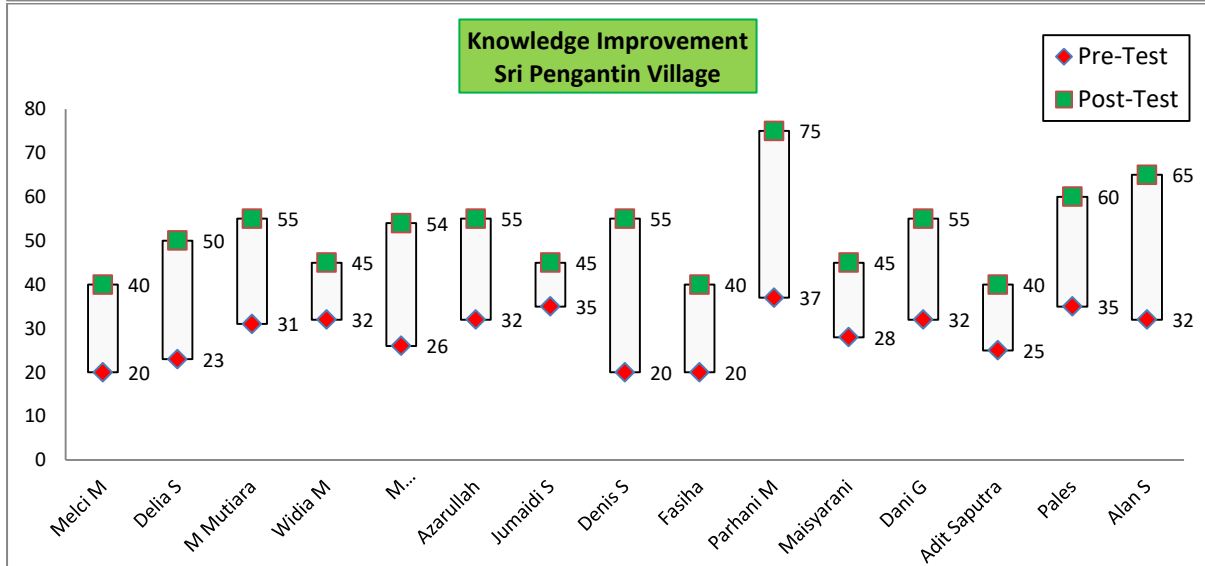
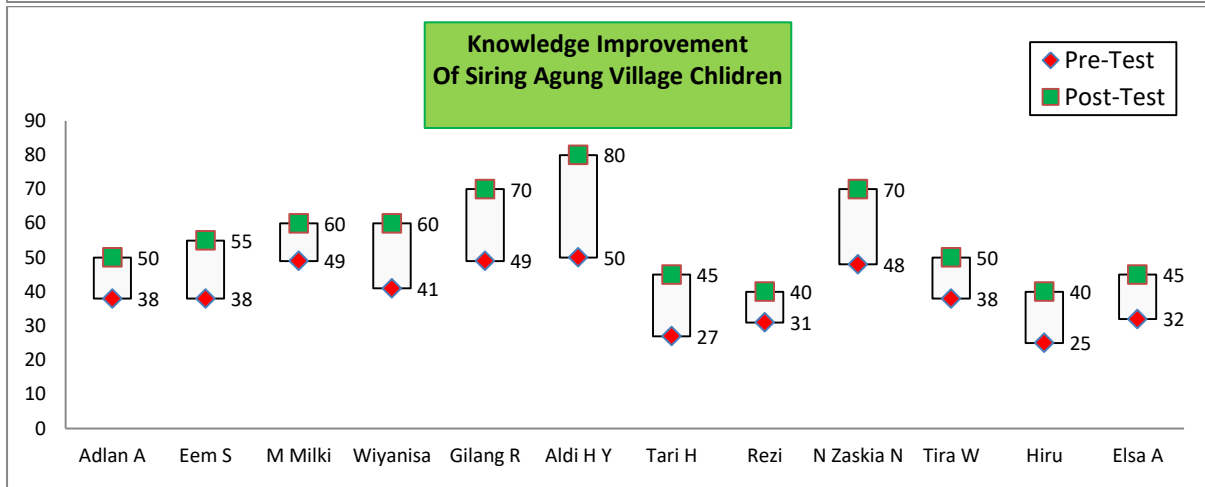
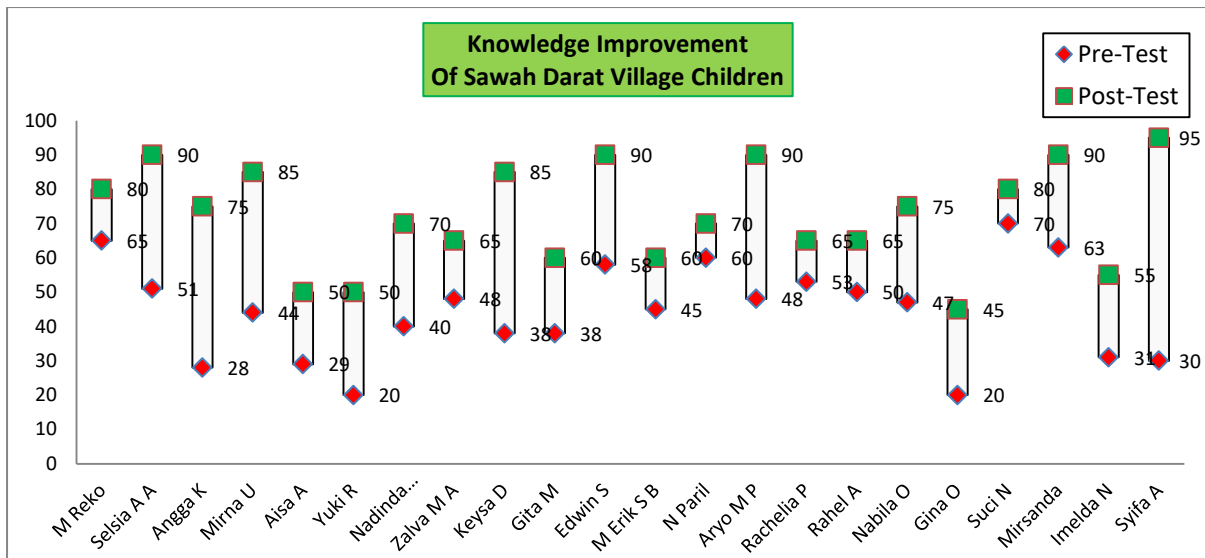
Here are a few examples of questions asked during the tests:

- ✓ What’s the function of a tree in a forest ecosystem?
- ✓ What are the signs of a healthy river?
- ✓ What’s the best way to deal with a wild animal that comes into your garden?
- ✓ What happens when a forest is destroyed?
- ✓ Can you give an example of a protected species









SUPPORT AND COLLABORATION

Government

This year began our collaboration with The Biodiversity and Conservation Agency of South Sumatra and Culture and Education Authority of Lahat . They gave us a permit for our education program and for our side-project the Flora Conservation Project. The Agency also gave our Educator legal recognition and registered him a Local Conservationist in South Sumatra.

People

We have the support of numerous people from all around the world who follow our progress through social media. On top of that, we have support from the chiefs of the local villages as well as local teachers to carry out our education program — many times local teachers act as translators, since not all pupils have a good grasp of Bahasa Indonesia.

NGO

We have support from Green-Books.org, who gave us eco-literacy books to use in our side-project, the Mobile Library Program. They also gave us binoculars for our Bird-watching activities to raise awareness about the destructive trade in songbirds in Indonesia.



A Visit of Conservation Agency Of South Sumatra to the Targeted School in Sawah Darat Village Pagar Gunung District, Lahat



Kids Reading eco-literacy book donated by Green-books.org in our Mobile Library Project



Tyrone from (South Africa), volunteered and helped us with teaching the children



Christian and Sabrina from (Italy) Volunteered and Helped us with planting rare plant at the Greenhouse as a part of Flora Rescue Project

NEXT STEPS

Our goals for 2020 are as follows:

- ✓ Register our project nationally and internationally as foundation that will work together with The Sumatra Camera Trap Project, and Flora Rescue Project who focus on Biodiversity and Habitat Protection in South Sumatra, Indonesia.
- ✓ Launch another fundraiser in July 2020 for the coming year, and thereafter secure a reliable source of funding.
- ✓ Receive the support of the Indonesian Ministry of Environment and Forestry.
- ✓ Give training for university students and local people who living near areas with highly environmental problems about environmental education and creating local environmental educator.
- ✓ Expand Environmental Program and Hire fixed staff to work full-time as environmental educators in other areas with Highly Deforestation Problem and human-wildlife conflict
- ✓ Publish a booklet containing The Jungle Library Project's environmental education curriculum, tests and a teaching manual. Let's work harder in 2020 to secure a sustainable world for the next generation

Publication

Publication at euronews Italy march 2019
<https://it.euronews.com/2019/03/12/the-jungle-library-project-a-scuola-nella-giungla>

Publication at YouTube euronews global and euronews Italy March 2019
<https://www.youtube.com/watch?v=YXCqeiDfLw0>

Information and Contact

Facebook : The Jungle Library Project

Instagram : The Jungle Library Project

Email : pungkynandapratama@gmail.com

