

## Project Update: October 2020

### I. SUMMARY

Our last Quarter project implementation have been extended due to Covid-19 pandemic situation followed by some modification of the field activity. There are some achievement we have passed during this last quarter: we have conducted awareness raising for elementary school student, spreading awareness material and we have continued java sparrow monitoring. We have conducted evaluation of the the java sparrow monitoring scheme through questioner survey to the java sparrow monitoring participant. We have conducted project closing meeting with all stake holder including woman farmer group in Pajaten village, and the local government representative village Chief of Giriwungu (Pak Kades Giriwungu), sub village chief of pejaten (Pak kadus pejaten, and also other key person.

### II. INTRODUCTION

#### Background

Java sparrow *Lonchura oryzivora* is an endangered bird species, endemic to Java and Bali. The population have been extirpated from their habitat due to poaching activity. The remaining population in Gunungkidul karst region most are located near farming area.

Gunungkidul karst region is part of Gunung sewu karst landscape, which are dotted with thousands limestone hill stretching along the southern coast of Gunung kidul regency, Yogyakarta Province, Java Island Indonesia.

According to our survey in Gunungkidul at 2017-2018 in 15 former breeding sites, only remaining five breeding site (83-123 individuals) (Yayasan Kanopi Indonesia 2018). Kanopi Indonesia and WCS (2017) in 2016-2017 have conducted bird market survey in three bird markets (Yogyakarta, Surakarta, Purblingga), and found 759 Java sparrows were traded during the survey period. This investigation reveals that significant numbers of these birds were supplied from Gunungkidul Regency. This worrying facts leads us to concludes that the bird poaching activity are still happening as we speak. Thus being noted, it's very imperative for us to develop conservation activities to protect the remaining population by involving the local communities.

This project will engage with the local farmers and communities near java sparrow habitat. We will actively encourage them to participate in various activities such as safeguarding and monitoring the Java Sparrow Population. We will also actively educate the locals to reduce the number of conflicts between the locals and Java sparrow through participatory mapping and transfer knowledge to tackle the negative stigma of this particular bird in the locals, primarily rice farmers.

#### Objective

- a) Java sparrow habitat distribution survey in the project site.
- b) Capacity building for community to conserve java sparrow and the habitat
- c) Spreading awareness to Local villagers about the important of java sparrow conservation
- d) Implementation of the monitoring and conservation mechanism.

#### Methods

#### *Java sparrow habitat survey*

This activities includes interview with local community especially farmers, literature study, and also direct observation. We will use opportunistic species observations data, collected from interview with the local community and other informant. Hopefully, these informants could also share the historical bird's data from the previous years. This survey aims to spot at least 10 the java sparrow feeding site and other encounter site in their home range. Interview will be conducted by purposive method to the potential informant especially farmer which are live or owning area in the village pilot or which located no more than 4 km from java sparrow roost site. We will record the feeding site GPS location, when and how many java sparrow usually come, the owner perception about java sparrow. we also ask them whether he or she will available to be involved in java monitoring as volunteer by sharing the information of java sparrow encounter. To cross check the information we will conduct observation according to the information from informant.

#### *Capacity building for community*

This activity will involve around 15 persons from the local community, especially young people and farmer. This activity consists of: (1) Village mapping facilitation. Villagers will be trained to assess the local village landscape (settlement, farmland, forest, etc.) and Java sparrow distribution. The Java sparrow distribution data will also include the data from the previously conducted survey. (2) Bird monitoring training : the training will be focused in bird observation and reporting, and monitoring scheme introduction which will be implemented during this project. (3) Community based conservation training: The training will be about the bird protection technique, field patrol methods, and swift report mechanism to the authorities (BKSDA ranger or police) regarding the poaching activities.

#### *Monitoring implementation*

We will involve the training participant and wider community from the local villager to work with the monitoring program. Hopefully the villagers will also commit in the future as a monitoring volunteers. There will be three type of location to be monitored, including (1) roosting or nesting site, (2) feeding ground – especially on the paddy field and, (3) other locations which are reported to be visited regularly by the Java sparrow. The monitoring will be led by the local coordinator, and three field coordinators (training participant). This team will collect every record from the monitoring volunteers. The data monitoring will only include the occurrence reports that provide date and location information. In this activity, Yayasan Kanopi Indonesia will only use data collected from pilot village. Any other data collected from another site will be stored in a different database. The monitoring implementation will be conducted for at least for three months at five locations involving 15 volunteer.

#### *Awareness raising*

We will execute this activities through a school visit at two different school, and a village visit into a two different villages. Awareness material production: This awareness raising activities will also include the productions of 500 posters, 500 info-graphic pamphlets and one billboard.

### **III. PROGRESS OF ACTIVITY**

In fact, most of the project activities are the field activities and involve many people in their implementation. Factually, not all of these activities can be carried out through remote work mechanisms.

To respond Covid-19 Pandemic, we did some modification to our activity considering our National and regional Protocol guidelines. Such as much as possible to avoid community crowded, reduce the number of the participant: to give space for social distance We also ensured the activity supported by self-safety equipment: such as wear a mask, hand sanitizer and disinfectant,

## Awareness Raising

### *Producing awareness material*

During last quarter, we have producing some material awareness comprising Billboard, info graphic, animation Video. Info-graphic and Billboard design have been finished in April 2020 however it had just installed in the project site in 7 August 2020. Our info-graphic have been distributed to all monitoring participant, chief of villages to community during evaluation closing program in 20 October 2020.



Figure 1. Up: The billboard arrived in sub-village chief's house at Pejaten. Below: Infographics we distributed to community during closing program in October 2020, infographic have been delivered to Java sparrow monitoring participant in Girikarto.

### *Raising awareness school visit*

On 31 August 2020, we have visited elementary school nearest to project site in SDN Pejaten to give education about Java sparrow conservation. Seeing the situation is

still in Covid-19 pandemic, the school have shifted student to come to school. And during this activity there were only 11 students coming to school.

The activities were introduction of the java sparrow through discussion and watching video animation. We ask some question to student, what kind of bird you ever seen near your house, have you ever seen Java sparrow, can you describe how the bird is. After that we continued with watching animation video we have produced, which explained student about how java sparrow live in the wild, what is the current situation regarding the population threat and conservation, after watching video we continued discussion about how can we help java sparrow population in the wild.



Figure 2. Awareness raising activity in Pejaten Elementary school were including watching educative video animation, discussion and coloring sketch. We also have delivered tumbler for the teacher and the student.

After class discussion, students colored java sparrow half-finished sketch we have prepared before. Due to not all student attending class, the teacher helped us to distribute the sketch to other 46 student from Class 4, Class 5 and class 6.

Few days after, all sketch have been colored, and have been sent back to school and then forwarded to us by the teacher. After we check the result, we saw that they have different interpretation about java sparrow. Some of them have almost correct interpretation but many others have different interpretation of the java sparrow color. As reward we give them infographic about java sparrow and tumbler.



Figure 3. sample of java sparrow Color pencil sketching from student Class 4-5 and 6.

### Java sparrow monitoring

Until now we have visited 39 java sparrows from local community, only 9 location which confirmed by our survey observation. At least 6 Location in Giriwungu village and 3 location in Girikarto. We still don't understand their home range, their daily movement as well as their local migration pattern. Following are the location which have been recorded to be encountered java sparrow.

Table 1. Java sparrows encounter location in the project site.

NO	Village	location	Sources of information
1	Giriwungu	Song gobar	Participatory Monitoring

2	Giriwungu	Song soka	Participant monitoring
3	Giriwungu	Near Supanti's house	Participatory monitoring
4	Giriwungu	Near Surati's house	Participatory monitoring
5	Giriwungu	Near Supadi farm field	Participatory monitoring
6	Giriwungu	Larangan farm field	our observation
7	Girikarto	In front of Mr Yono's house	Participatory monitoring
8	Girikarto	Jotahk cave	our observation
9	Girikarto	Tedunan farm field	our observation

### Observation

on 7 august 2020 we observed Gelatik Jawa in the cliff of song Gobar. according Mr. Rejo said that on the last couple day he saw big number of java sparrow individual in a flog perched on mahogany trees in the field near Macanan cave. This information was also confirmed by Pak karyono which reported to saw java sparrow flock in his farm field at around 9 am in September 2020.

on 31 August 2020 we conducted observation at farm field in Tedunan, but we didn't encounter java sparrow. in December 2019 in the same place we saw at least 80 individual's java sparrows at Lantana *camara*. A local villager we met in Tedunan namely Mr Sugiri, said Java sparrow does local migration time over time but that pattern is still unknown.

On 21 October We visited Tedunan farm field, Song Gobar cliff, Macanan cave and Jothak cave but we didn't see java sparrow.



Figure 4. Java sparrow observation in Tedunan farm field Girikarto village

### Java sparrow monitoring scheme.

#### *Interview survey for Java sparrow monitoring scheme evaluation*

According to the java sparrow monitoring data collection the results shows little java sparrow encounter record. There are only 8 participants who recorded the java sparrow encounter during November 2019 to August 2020, they are Mrs Surati, Mrs supanti, Mrs Yuniati, Mr Pajari, Mr sularno, Mr Supadi, Mr Wiyono and Mr Karyono. ue to Covid-19 pandemic, the monitoring scheme slightly disturbed.

In August 2020 we are conducting survey to evaluate the java sparrow monitoring implementation. The survey questions were about how did they involved in monitoring scheme, how often they record the bird encounter, did they sent the

monitoring sheet regularly, what is the difficulty they found during involved in java sparrow monitoring. on 25 August 2020 We collaborate with local villager (Mrs Tusilah and Mr Basuki) as local facilitator to spread questioner form, we have prepared to 27 participants. Many of them did by them self but some of them need assistance from local facilitator to fill the multiple-choice questioner. D and following is the questioner survey result:

#### *How often they did record the java sparrow encounter*

The result shows only 41% have recorded their encounter to java sparrow in the monitoring sheet, comprising 27% (1 time) and 14% of them (2-3 times), while 59% of them never fill the monitoring sheet.



Figure 5. Mrs. Tusilah assisted monitoring participant to fill the questioner for monitoring scheme evaluation.

#### *The difficulty in recording in the monitoring sheet.*

Our monitoring sheet has been designed as simple as possible. However, there are still some participants feel dizzy to use the form. As much as 50% participant feel that the form is too complicated. 50% said they sometime forgot to record the java sparrow encountered into the form due to their busy life.

#### *Did they sent back the monitoring sheet every month*

They didn't send back the monitoring sheet as 55% of respondents mentioned that they forgot it, 41% said the sheet was missing or damaged. And another 4% were too busy so that have no time to fill the sheet. But in August 2020 Mrs Tusilah has helped us to collect the monitoring sheet from all monitoring participant in Pejaten sub-village

#### *Their comment about their willingness to continuing this java sparrow monitoring.*

All respondent said to available to be involved again in java sparrow monitoring in the next project

#### *Their comment about our project activity*

59% respondent hope the java sparrow conservation action in this village have to be continued, 27% hope that java sparrow would survive in nature. As much as 14 % requested for planting tree activity in the next project.

### **Project closing meeting**

On 20 October 2020 we have conducted project closing meeting at Mr. Supadi's house in Pejaten sub village. This was the last series of the project activities and

was attended by 30 persons consisting of the village chief of Giriwungu Village, sub village chief of Pejaten, the Head of the Farmers Group and all community components involved in the project.

The activities were consisting, presentation, discussion and, delivering documents PRA result (Villages profile) and disseminating our awareness materials, infographics to all participant. As souvenir we distribute T shirt for all java sparrow monitoring participant, we have designed special T shirt for campaigning Java sparrow conservation. At the end of the activity, all participant writes their comment and testimonial message about this project implementation. Most of participant demonstrated their desire and willingness to continue java sparrow conservation.

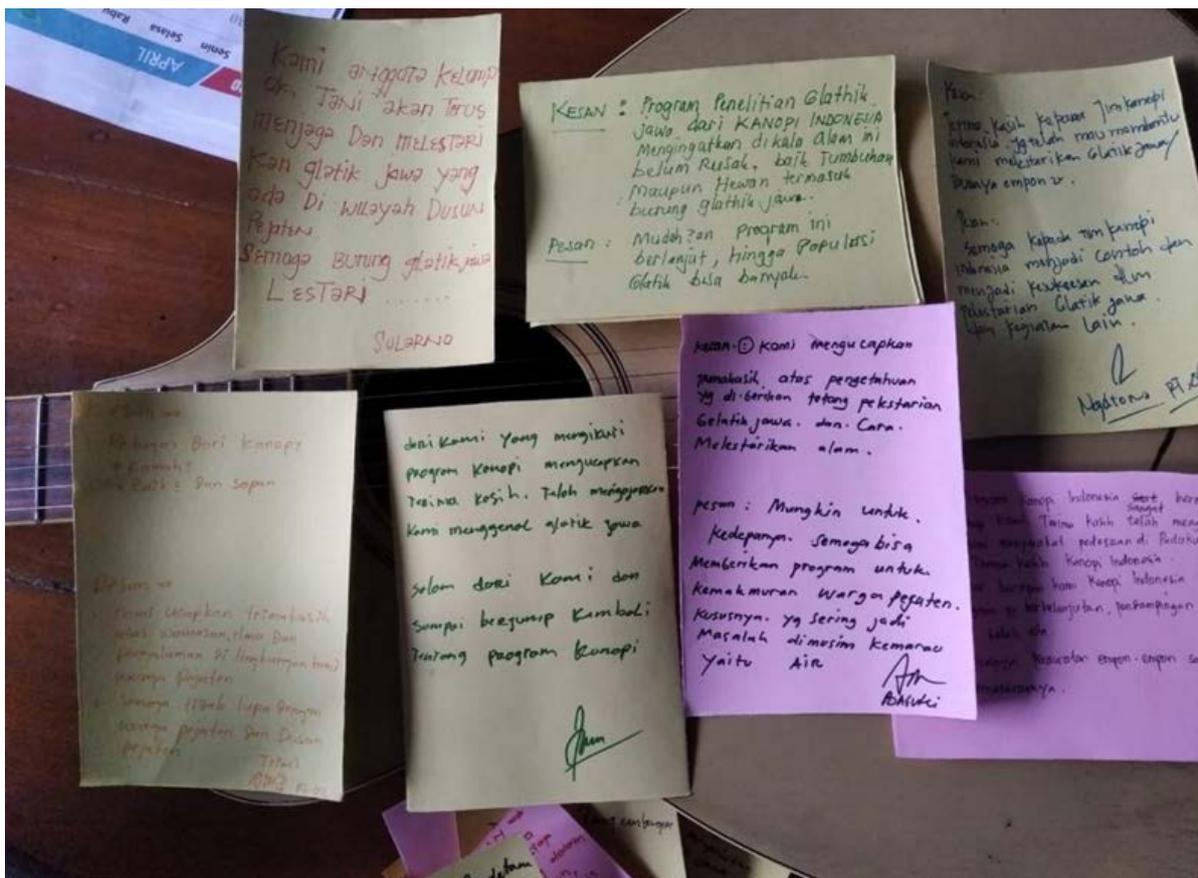


Figure 6. Testimonial message from the java sparrow monitoring participant.

### Chief of giriwungu village

The chief of Giriwungu village gave his opinion "this project has upgraded the local community knowledge about the java sparrow conservation, from neglected to respected as java sparrow population is very rare, and need help to be conserved, "It is more important to firstly educate local people before get starting the conservation action". He also requested additional notice boards around the java sparrow habitat to announce community that java sparrow has already been protected by law.

To follow-up this project effort, The chief of village represents as local government in Giriwungu village has committed to make a village regulation (Peraturan Desa/PERDES) that will prohibit wild animal hunting particularly java sparrow and also will prohibit wild plant harvesting for Bonsai. Of course it will need long way with may step have to be carried out including village meeting, draft

producing , draft socialization and series of meeting to get draft approval from BPD ( BPD: village representative institution and legislator ) before the Perdes will be issued.

**Mr Supadi head of the farmer group and also as key person in Pejaten villages**

He is very thank to this conservation project implementation, where have given some important out come to the community including triggered of the revitalization of Kelompok wanita tani KWT (Women's Farmer Group) in this village which through them house wife can get training about java sparrow conservation and also training about how to cultivate ginger in the poly bag to respond lack of water situation. This have generated them to cultivation of ginger in polybag in their yard. This project already has increased community awareness about java sparrow conservation, from neglected to respect.



Figure 7. Project closing was conducted in night, after discussion and evaluation we continued with delivered PRA survey result to chief of Giriwungu Village delivered Info graphic poster to chief of Pejaten sub village and distributed T-shirt to all java sparrow monitoring participant.

## Attachment

### Java monitoring

Table 2. The month where java sparrow was recorded by participant during java sparrow monitoring between November 2019 -August 2020.

NO	Name	Nov	Des	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1	Basuki	0	0	0	0	0	0	0	0	0	0
2	Dalmini	0	0	0	0	0	0	0	0	0	0
3	Dwi Wuryuni	0	0	0	0	0	0	0	0	0	0
4	Hari Santoso	0	0	0	0	0	0	0	0	0	0
5	Hesti	0	0	0	0	0	0	0	0	0	0
6	Karyono	0	1	0	0	0	0	0	0	0	0
7	Majiyah	0	0	0	0	0	0	0	0	0	0
8	Pajari	0	0	1	0	0	0	0	0	0	0
9	Rumini	0	0	0	0	0	0	0	0	0	0
10	Subinem	0	0	0	0	0	0	0	0	0	0
11	Sudalginah	0	0	0	0	0	0	0	0	0	0
12	Sugiyat	0	0	0	0	0	0	0	0	0	0
13	Suhartini	0	0	0	0	0	0	0	0	0	0
14	Sularno	0	0	0	0	0	0	0	1	0	0
15	Suliyah	0	0	0	0	0	0	0	0	0	0
16	Sumartinah	0	0	0	0	0	0	0	0	0	0
17	Sumaryani	0	0	0	0	0	0	0	0	0	0
18	Supadi	0	1	0	0	0	0	0	0	0	0
19	Supanti	0	1	1	0	0	0	0	0	0	0
20	Supomo	0	0	0	0	0	0	0	0	0	0
21	Supratman	0	0	0	0	0	0	0	0	0	0
22	Surati	0	0	1	0	1	1	1	1	1	0
23	Susanti	0	0	0	0	0	0	0	0	0	0
24	Sutiyah	0	0	0	0	0	0	0	0	0	0
25	Suwasono	0	0	0	0	0	0	0	0	0	0
26	Tujinem	0	0	0	0	0	0	0	0	0	0
27	Tujono	0	0	0	0	0	0	0	0	0	0
28	Tusilah	0	0	0	0	0	0	0	0	0	0
29	Warti	0	0	0	0	0	0	0	0	0	0
30	Wartiyem	0	0	0	0	0	0	0	0	0	0
31	Wasini	0	0	0	0	0	0	0	0	0	0
32	Wiyanti	0	0	0	0	0	0	0	0	0	0
33	Wiyono	1		0	0	0	0	0	0	0	0
34	Yuniati	0	0	0	0	0	0	0	0	0	1

The sample of Monitoring sheet



Figure 8. Java sparrows encounter record in monitoring sheet from the participant. They did with different style.

### T-Shirt Design





Figure 10. T Shirt Design we have distributed to java sparrow monitoring participant and the tumbler we have distributed to student and teacher in SDN Pejaten elementary school.