


# DIGITALIZATION DATA IN UJUNG KULON FOREST HONEY: APP ON MONITORING BEE POPULATION AND NEST TREE

**HARVEST DETAIL**


ID Nest Tree : \_\_\_\_\_

Tree Name : \_\_\_\_\_

Coordinates : \_\_\_\_\_ 

Qty Nest : \_\_\_\_\_


Harvest :  Harvest  
 Not

Harvest Time : Harvest 

Group Name : \_\_\_\_\_

Group Leader : \_\_\_\_\_

Internal Inspector : \_\_\_\_\_


Documentation : \_\_\_\_\_ 

06:51 UHF-R

**POHON DETAIL**


ID Pohon : 8991906101644

Nama Pohon : kepuh

Koordinat : -6.5522100000000005, 105.2 

Qty Sarang : 4


Panen :  Panen  Tidak Panen


Waktu Panen : 2023/9/19 

Kelompok : panaitan lesrari

Ketua Group : wawan

Petugas ICS : eman

Dokumentasi : 8991906101644.jpg 



Selamat datang, admin | Petugas | Keluar

**+ Check In**


Dashboard → Check In

Data Check in

Data proses\_checkin

ID Checkin : P3001

Tgl Check in : 05/09/2023

ID Anggota : PLTG001 

Biodata :

Nama Anggota	: WAWAN GUNAWAN
Alamat	: Kp. Cipunaga Desa Tunggaljaya
Kelompok	: Panaitan Lestari
Telepon	: 085772844504

Estimasi kembali : 5

16.38

tvonenews.com LIVESTREAM

Sumatra Jawa Bali Daerah Lainnya

Ad



**BONGKAR PABRIK MADU PALSU DI JAKARTA BARAT**

### Madu Palsu Hasilkan Omzet Sampai 8 Miliar! | Jejak Kasus tvOne (13/11/2020)

🏠 / INVESTIGASI

Jumat, 13 November 2020 - 23:05 WIB

Jakarta, **Klik Disini** - Sebuah "pabrik" madu palsu di kawasan Kembangan, Jakarta Barat, digerebek aparat Polda Banten pada Rabu (4/11/2020) pekan lalu. Di tempat tersebut, TM (35) meracik satu ton m ra untuk dipasok ke Banten. Pabrik itu berlokasi di

Terbaru Trending Cari Menu

||| ○ <

Fake honey turnover up to  
8 billion !  
Barrier or opportunity ?

# Traceability product to fight fake honey

- ✓ Some data released that honey occupies ranking third - after oil olives and milk - among products, the most food adulterated (Decernis, 2019). Circulation honey false Already lasts a long time in various places part of the world.
- ✓ Traceability of product honey becomes important For protecting the consumer from product honey fake. Possible product honey can be cultivated ( farmed ) on-site - affordable can easily give a guarantee to consumers Because consumers can visit to see How honey is produced. However - No easy For Forest Honey - *Apis Dorsata*, because the location is Far from range consumers, that is in an area of forest.



# Quality Guarantee and traceability of products Forest Honey

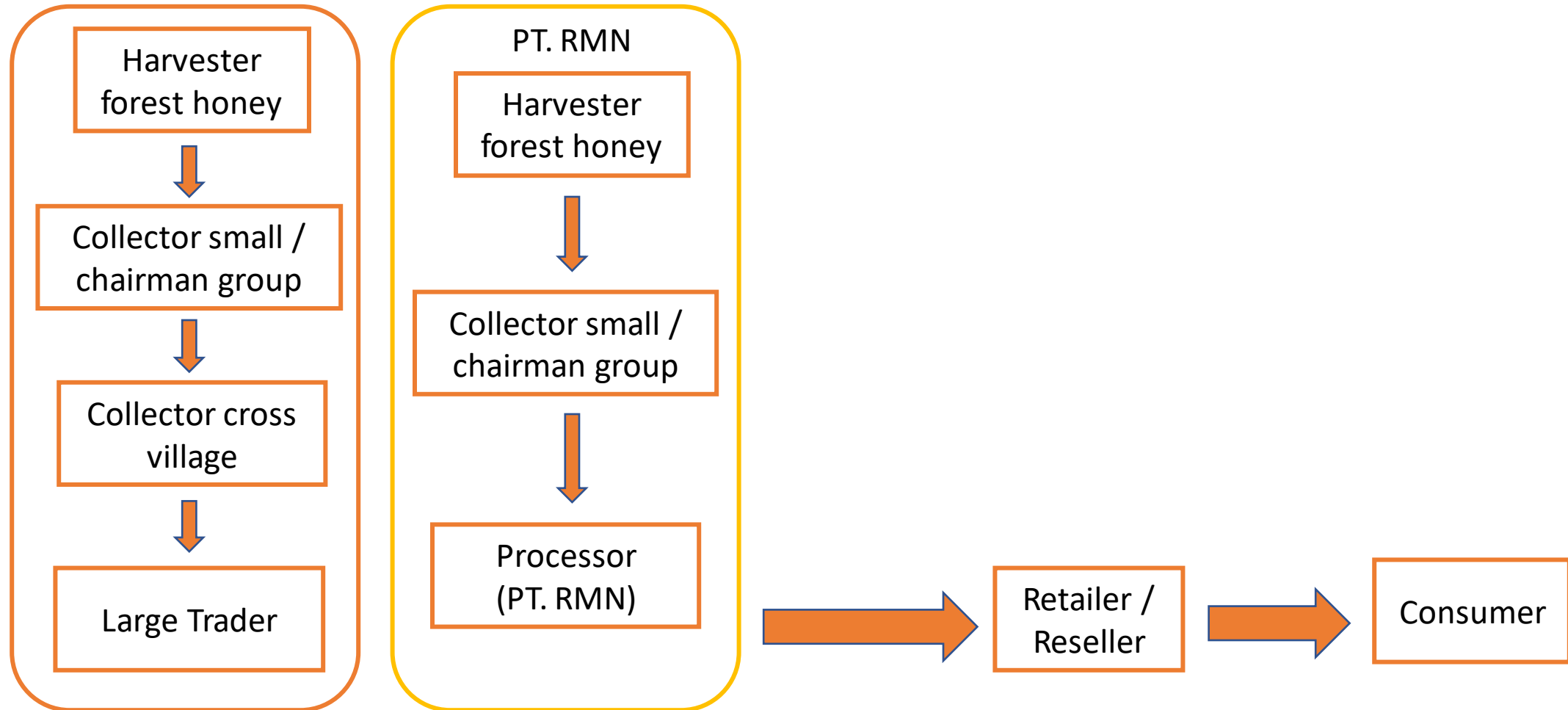
- System guarantee quality in products Forest Honey can be done with certification guarantee organic quality by the party third with cost enough big. Consumer guaranteed by the issuing guarantor institution certificate organic quality, which can be seen in the labels and numbers certificate on the packaging.
- Guarantee quality Forest Honeys can too We do through scheme guarantee organic quality by the community in a way participatory ( *PGS; participatory Guarantee System* ). The same thing his with party third, consumers can know it from the label which contains the PGS Community logo as well number the certificate.
- At the moment these guarantees are also developing quality products with technological media digital information, which is phenomenal like *Blockchain* in Bitcoin products as well products other like fish and coffee. We hope can build traceability with technology and digital information on products of Forest Honey in Ujung Kulon, at the moment we are starting to collect *data* distribution tree nest honey with *Barcodes*, ODK Collect and RFID ( *Radio Frequency Identification* ).



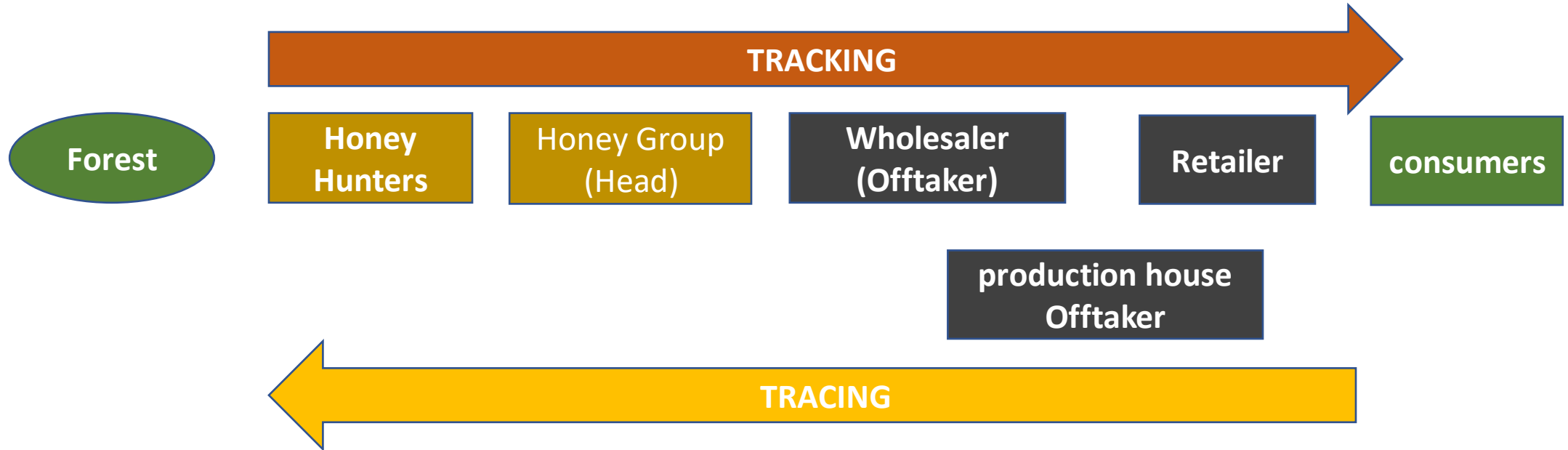
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# Supply Chain in Ujung Kulon Honey



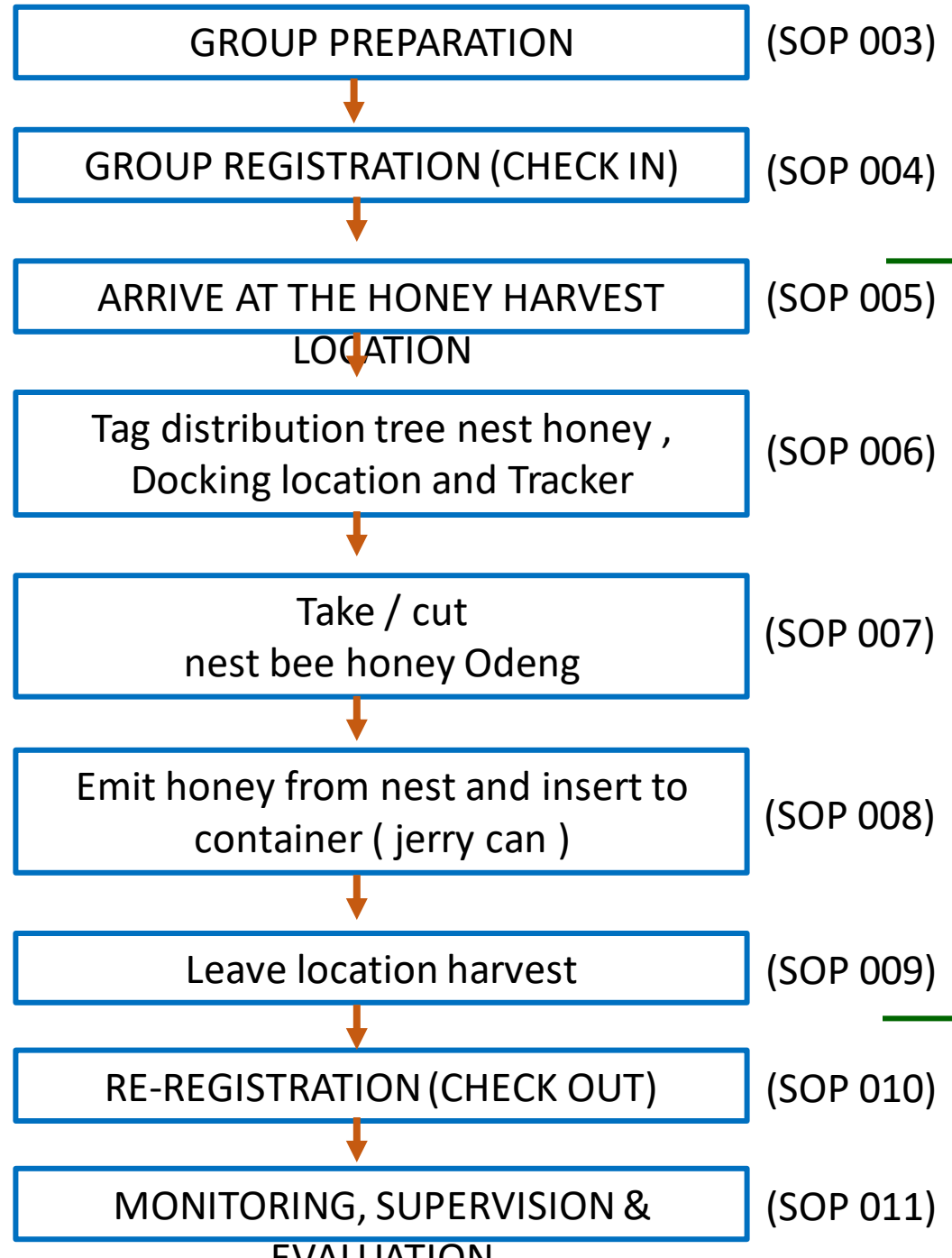
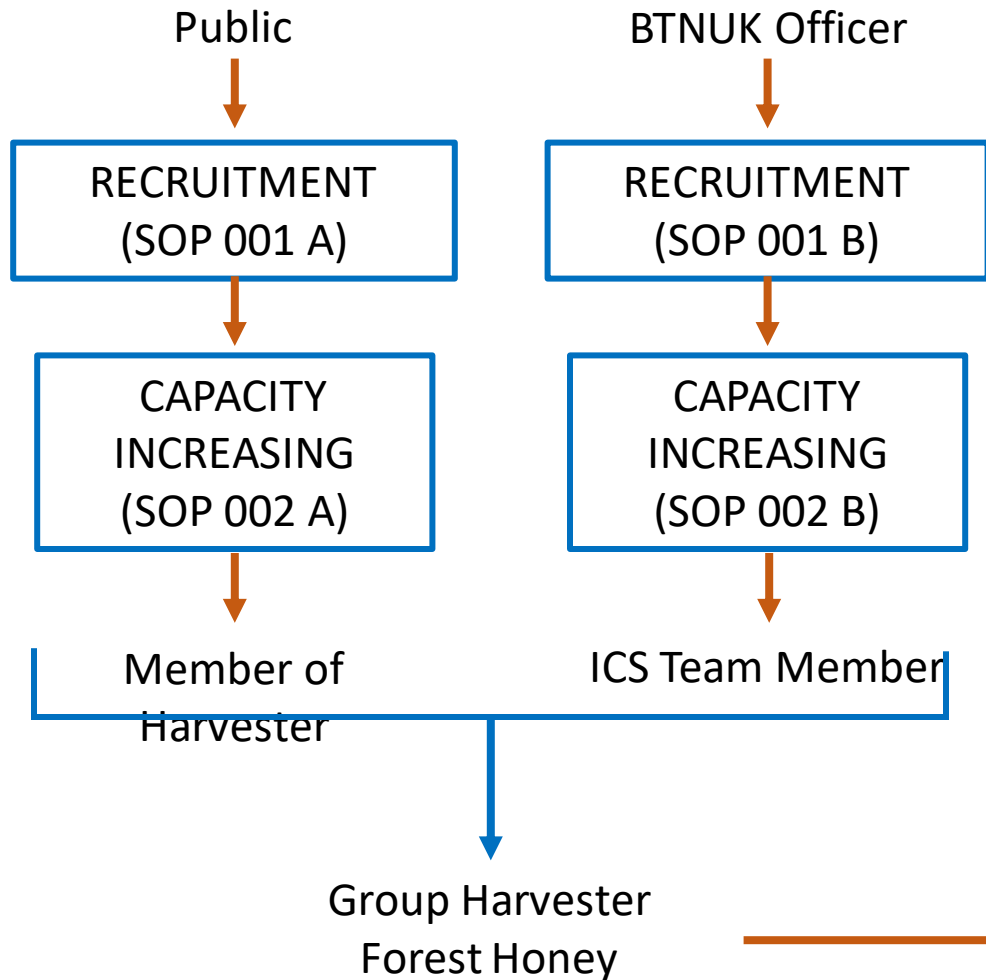
# Tracing And Tracking



# Key activity and flow of information throughout supply chain honey

ACTOR	ACTIVITY	OUTPUTS	RECORDING
Harvest	Harvesting Forest Honey on the island Panaitan	Forest Honey which is already sliced storage in the jerry cans	<ul style="list-style-type: none"> <li>Harvest location (geo tagging), name place / block</li> <li>Tree name nest and type of nectar</li> <li>Amount nest</li> <li>Date of harvest</li> <li>Group name and leader group</li> </ul>
Collector small / chief group	Collection and storage results harvested by members	Forest Honey Already sliced saved in jerry cans large ( $\pm$ 40 kg)	<ul style="list-style-type: none"> <li>Heavy clean</li> <li>Owner ( member )</li> </ul>
Collector cross village	Purchase from group For for sale return	Forest Honey Already sliced for sale in form jerry cans large ( $\pm$ 40 kg)	<ul style="list-style-type: none"> <li>Contact</li> <li>Purchase data</li> </ul>
Large Trader	Purchase from collector cross village	Forest Honey in Jerigan big for sale _ to retailer	Date, payment amount, name, contact address, margin, partner data, multi-party
Processor / Offtaker	Purchase from group , subtraction moisture content , packaging , and distribution	Product So For marketed in diverse variant packaging	<ul style="list-style-type: none"> <li>Date accepted</li> <li>Check, check initial</li> <li>water content</li> <li>Date production</li> </ul>
Retailer / Reseller	Village retailers and retailers from trader big / oftaker	Product So For marketed in diverse variant packaging	Date, payment amount, name, contact address, margin, etc
Consumer	Purchase from retail and consumption		Date, payment amount, name, contact address

# Forest Honey Harvesting SOP Flow Chart



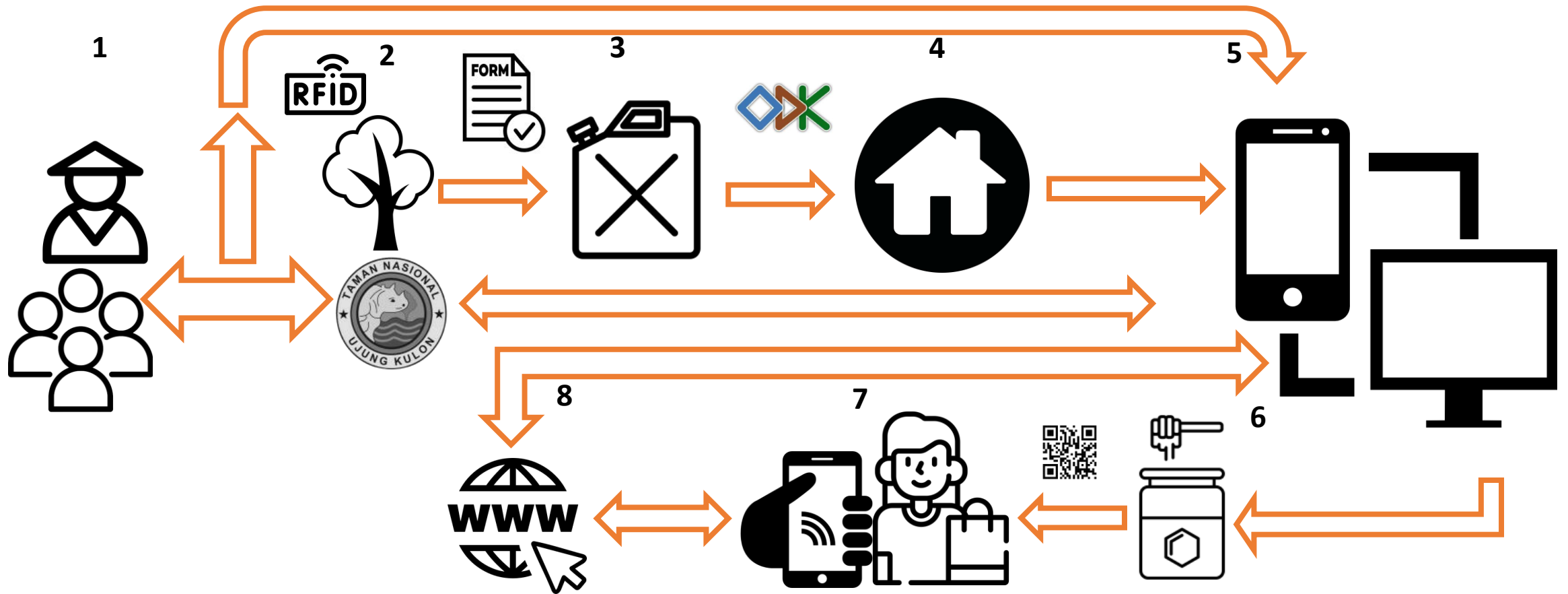
Location  
On the  
Island  
Panaitan



# Data digitally recorded by us at this time

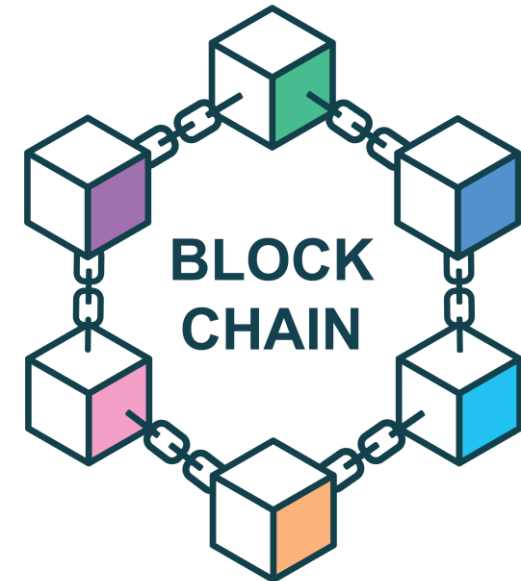
NO	ACTOR/ENTITY	DATA
1	Harvester Forest Honey	Farmer / Group ID , Tree ID nest , name tree nest , coordinates location , date harvest , quantity nest honey , name group , name chairman groups , ICS officers , Photos , and notes ( type nectar ).
2	Chairman group / Storage warehouse group	Number jerry cans , fill clean , owner ( member )
3	Processor ( offtaker )	Date received , initial moisture content , date production
4	UKNP, SSN, Village Government	Data on activities in and out of the forest area, mentoring and formal legalization of honey groups.
5	Consumers	product information by QR Code.

# Flow of transfer information between actor



# future plans

- ✓ Development mutual information data systems connected and transparent start from collector honey in the forest , processors and consumers .
- ✓ In the future it can be apply technology blockchain /IoT in build traceability product Forest Honey Apis Dorsata .



# Documentation

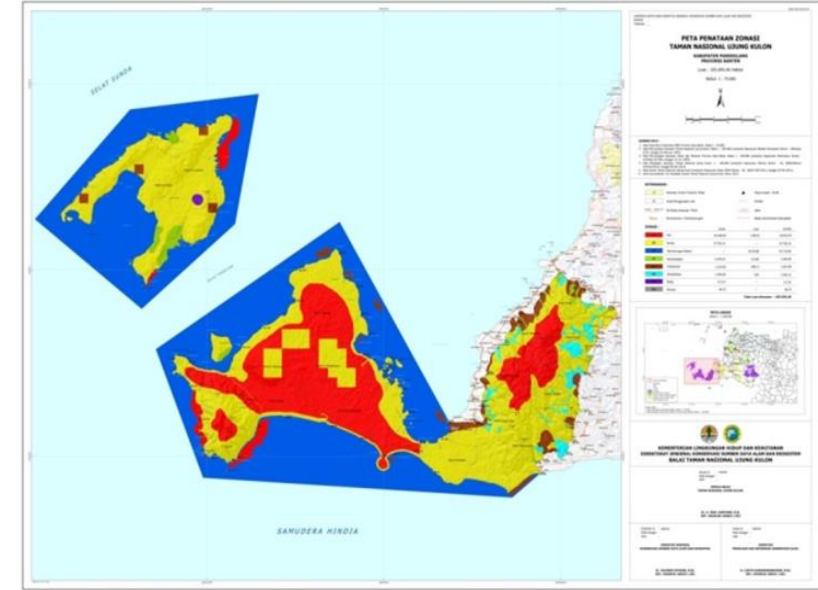
first identification using RFID



come back for the harvest using barcodes



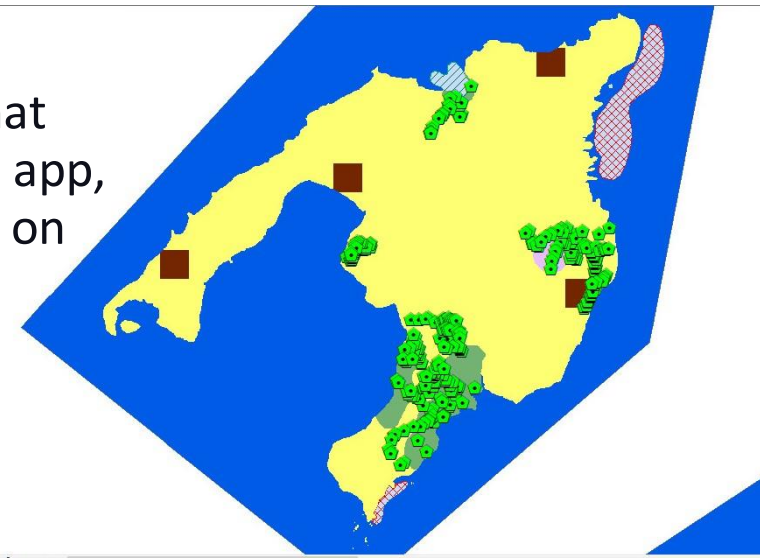
map of ujungkulon national park



trace your honey



distribution of nesting trees that have been identified using the app, there are more than 500 trees on Panaitan island.



# Closing

- We realize that application is a new technology and it is need time , lots of trials and experiments.
- Is matter this enough for stop “fake honey”?, and although sound like a dream , we believe this is a very real vision for bees and humans.
- During this Madhu Duniya Conference, we thought it is a perfect time to build an idea for tracing and tracking forest honey by using new technology information digital approach.