dhis2

Contact Tracing COVID19 Platform in Indonesia

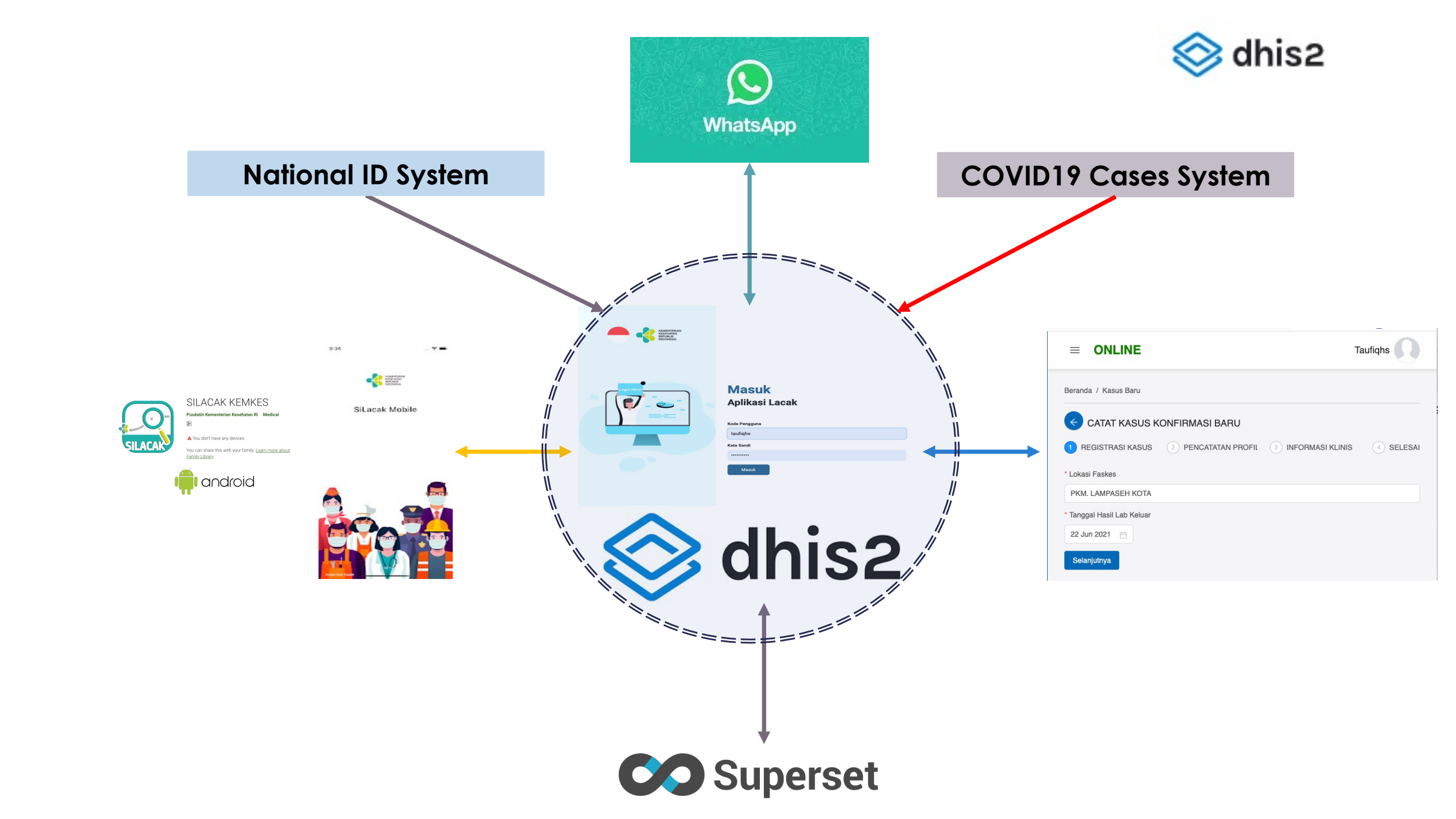
DHIS2 for routine & emergency surveillance

Team

- MOH
  - Infection Emerging Disease
  - Pusdatin (Data and Information Center)
- WHO Indonesia
- DHIS2 CDI Team (**Lalu Lian**, **Syefira**, Eka, Popy, Adi, Agung, Yuda, Aji, Ratih, Titin)
- **Taufiq Sitompul**
- Jørn Braa

Platform for Contact Tracing COVID19

- **SILACAK**, is DHIS2 Platform for Contact Tracing.
- Three times changed by adjusting the SOP and DHIS2, included adding Metadata.
- DHIS2 as Platform, hosted and managed by MoH <-- Data and Information Center.
- National and Regional Users.
- National Report Contact Tracing.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WhatsApp
National ID System
COVID19 Cases System
SILACAK KEMKES
Pusdatin Kementerian Kesehatan RI Medical
android
SiLacak Mobile
Masuk
Aplikasi Lacak
Kode Pengguna
taufiqhs
Kata Sandi
Masuk
dhis2
ONLINE
Taufiqhs
Beranda / Kasus Baru
CATAT KASUS KONFIRMASI BARU
1 REGISTRASI KASUS
2 PENCATATAN PROFIL
3 INFORMASI KLINIS
4 SELESAI
* Lokasi Faskes
PKM. LAMPASEH KOTA
* Tanggal Hasil Lab Keluar
22 Jun 2021
Selanjutnya
Superset

Implementation Timeline

Nov. 2020 – Mar. 2021

#Users > 15K
User Groups
User Manage by National Task Force
10 Provinces
Hiring data officer

Apr. 2021 - ~

Users Active : 28968
30 Provinces
Group of Police Officer and Military Officer level of Sub District

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Knowledge Hub

Registration System

Knowledge Hub: central level to end user

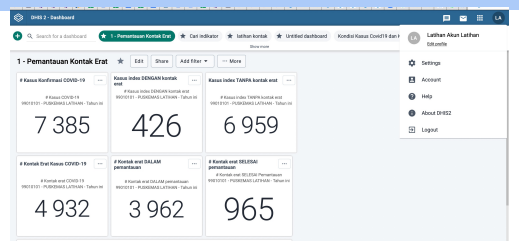
- Knowledge Hub is "**a connecting and sharing platform**" that is "**innovative**" and "**a great tool for collaboration**". Members join groups for various reasons, and they can clearly define how they use them.
- (Transfer of Knowledge) ToK is chosen by using the online method, where the participants can be trained in real-time without considering the location as long as they can access the internet.
- To solve the internet issue, we have to record the activities, created e-books/guidance in pdf format, and provide the video tutorials. So that, the users who have signal problems can choose the media to study or repeat the material.

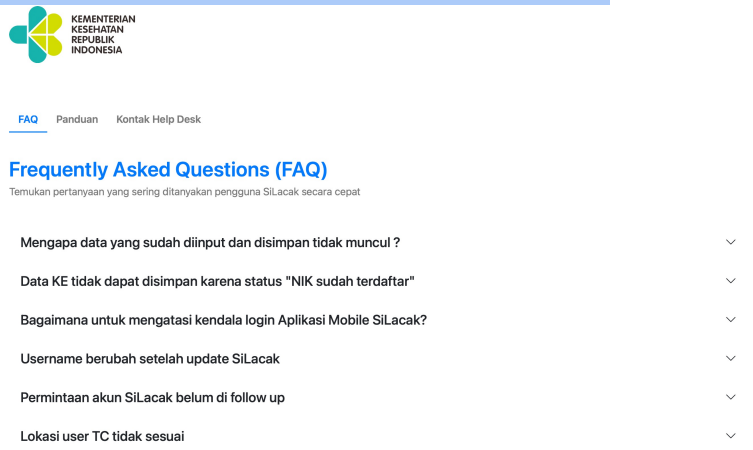
Knowledge-Hub Users

- National
  - MoH
  - National Task Force
- Regional and Facilities
  - DHO and PHO
  - Local Government
  - Local Security Officer
  - Facilities

Knowledge-Hub Products

- Portal FAQ and Publication
- Training Server
- Actives Users from many Groups





Lesson Learn

Technical Obstacles and Management Constraints

- Many incoming requests (users and constraints)

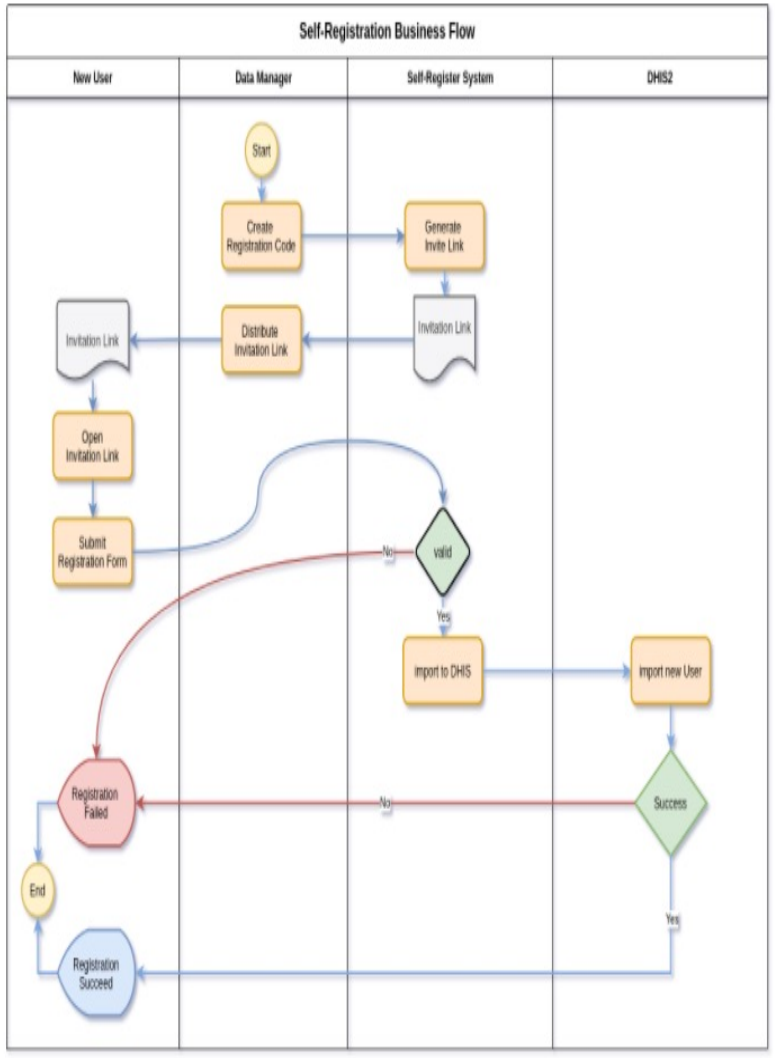
User Constraints that are often faced

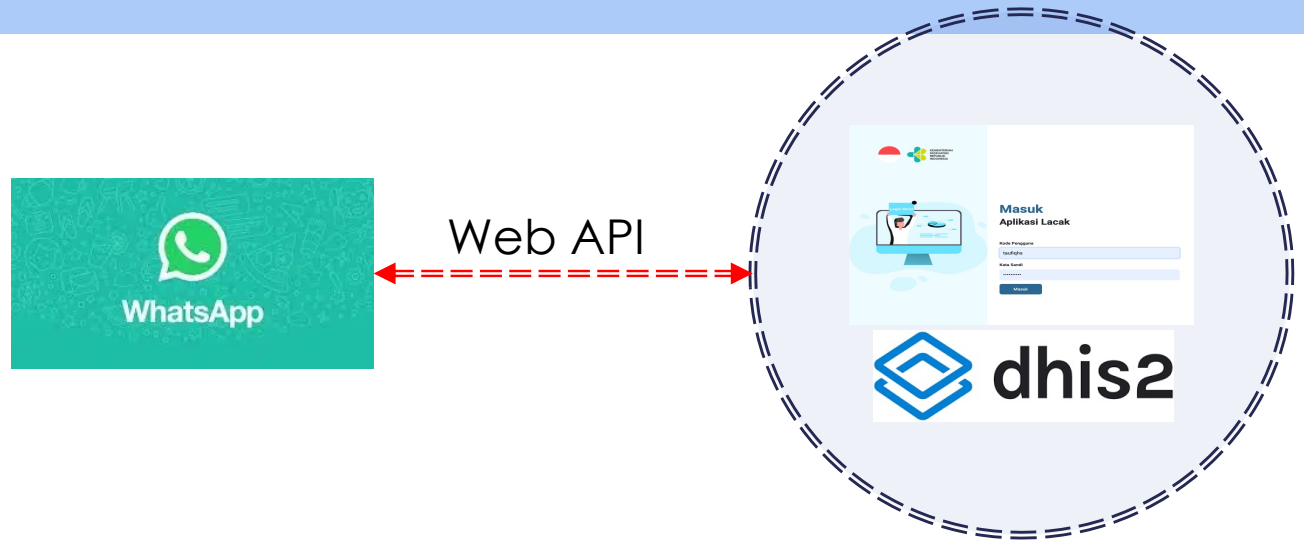
- Need a fast response
- Repetition of Discussion, because of new user and user's-paradigm
- Connections can run offline and online

Registration System

- What is **AMICA**?
  - ✓ WhatsApp BOT to do users **self-registration**. It is intended to make easier the registration process in order to get an access to DHIS2 as one of the main platforms for COVID-19 research in Indonesia.
- **Motivation**
  - Number of Users since Nov 2021-Mar 2021 > 15K.
  - Apr 2021, new users and groups added.
  - User's account creation is charged to the Helpdesk, usually the amount per request day over 500 users.
- **Trouble try to solve**
  - User requests from all over Indonesia every day reach 400-950 users.
  - Quick and time consuming requirement to create manually.
  - Reduce errors in account creation information.

Process

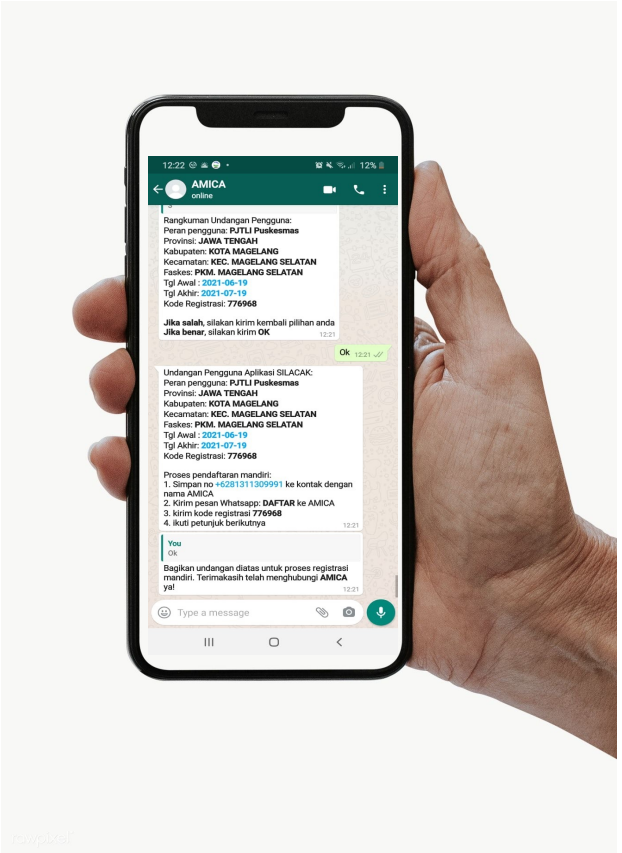


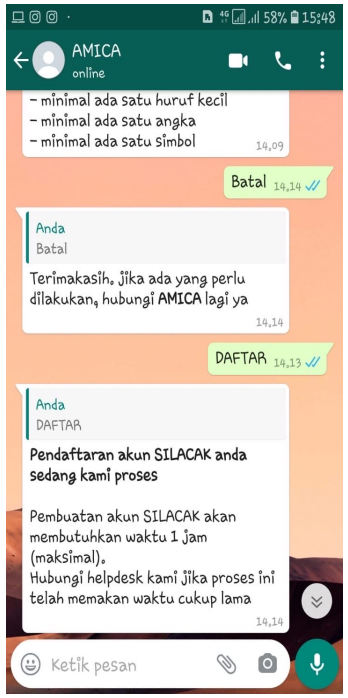


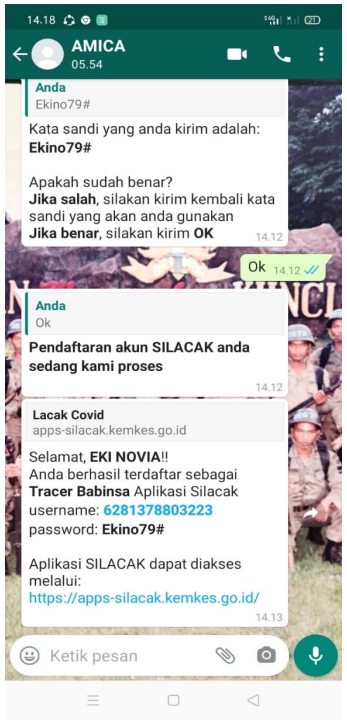
Invitation ← Supervisors

Registration ← New Users (candidate)

AMICA







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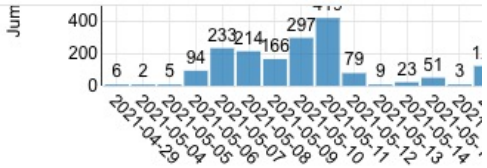
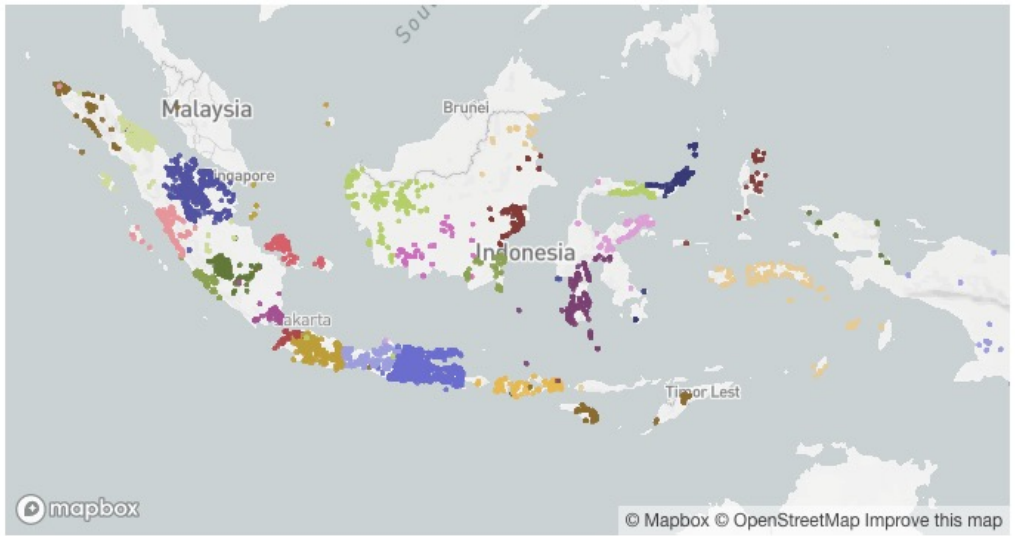
Registrasi dengan AMICA



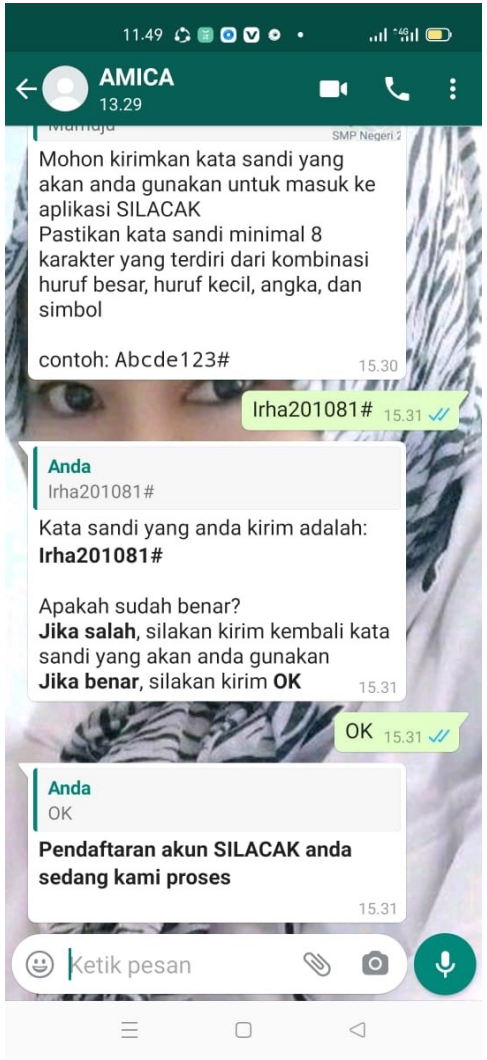
Map: Registrasi Pengguna AMICA



Lesson Learn from AMICA

- **Error**
  - Error in writing standard password.
  - Error in location share.

- **Handling**
  - Standard information for writing passwords and reminders if something goes wrong.
  - Video guide steps and procedures for use.
  - WhatsApp BOT is new for regional users. We are trying to enable registration through web page.



Terima Kasih

Thank you