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.
National ID System

COVID19 Cases System

dhis2

Superset
Implementation Timeline

Nov. 2020 – Mar. 2021
- #Users > 15K
- User Groups
- User Manage by National Task Force
- 10 Provinces
- Hiring data officer

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

Apr. 2021 - ~
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)

Web API
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