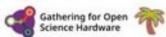


# ROŠA Gathering and Residency 2022 Yogyakarta and accross Indonesia







# Regional Open Science Hardware & Art

# ROŠA - Regional Open Science Hardware & Art, Indonesia Substantive Final Report - GOSH Regional Funding Round 1

#### **Grant Information**

Award #: GOSH Regional Event Award Awardee: International Hackteria Society

Event Title: ROSA - Regional Open Science Hardware & Art, Indonesia Event Dates: Pre Activities: April – June 2022

Preparations: 25. September - 15. October 2022

Main Activities: 15. October - 15. November 2022

Dissemination Phase: 5. November - 30. December 2022

#### Main Documentation

As stated in the original application:

"We will use the Hackteria wiki to document the events and our research as text and photo. The organisational working group will use our self-hosted nextcloud for collaboration. For online meetings with our collaborators we will use our self-hosted BigBlue Button, and workadventure, and we'll use advanced streaming methods with OBS (open broadcast studio). Regular outcomes, discussions and outreach to the GOSH community will be on the GOSH forum. Individual projects will be published on github repositories."

## https://www.hackteria.org/wiki/ROSA

All the content of the hackteria wiki is under a Creative Commons licence, CC BY 4.0

# **Individual Project Documentations**

New circuit and workshop handouts for making a touch-noise synthetizer, based on LM386 https://github.com/dusjagr/GAPS-DangdutFromHell

The most important open hardware tool in the region! <a href="https://github.com/dusjagr/Ceker-HexDriver">https://github.com/dusjagr/Ceker-HexDriver</a>

New pisibi and circuit for EM-sniffer, inspired by LOM's Elektrosluch (Error Static Zapper too), SOMA Ether, 1010 Detektor and Franzis' Bat-Detector and many others...

Goal: Make an affordable new and kinda modified / improved version of an EM sniffer in Yoygakarta, Indonesia. Use mainly parts that can be sourced locally on the common online shops or local stores.

https://github.com/GenericLab/o--Indosluch.EM--o

diy-CAD (do-it-yourself Children Aided Design): The core idea of the workshop-kit is tool for creative designs of printed circuit boards, introducing basic concepts of Open Hardware being something to re-design for your own use.

Simple continuity tester based on Continuity Tester by David Johnson-Davies <a href="https://github.com/GenericLab/peepsy">https://github.com/GenericLab/peepsy</a>

CO2-soil-respiration-chamber
For more info of our developments and field testing, visit the hackteria wiki: <a href="https://www.hackteria.org/wiki/CO2\_Soil\_Respiration\_Chamber">https://www.hackteria.org/wiki/CO2\_Soil\_Respiration\_Chamber</a>
<a href="https://github.com/GenericLab/CO2-soil-respiration-chamber">https://github.com/GenericLab/CO2-soil-respiration-chamber</a>

Fork and redesign of the BioAmp EXG Pill <a href="https://github.com/GenericLab/BioAmp-EXG-MedTechDIY">https://github.com/GenericLab/BioAmp-EXG-MedTechDIY</a>

A tribute to Rob Hordijk (RIP) - As I was taking care of my wife at the hospital, I decided to redesign Forestcaver's Benjolin https://github.com/forestcaver/Benjolin As I was finishing this, Rob Hordijk passed away and I would like to dedicate this to him. <a href="https://github.com/squaresolid/benjolin gorga">https://github.com/squaresolid/benjolin gorga</a>

Redesign of the CO2 SCD41 Sensor breakout board <a href="https://github.com/squaresolid/Gosanke\_Koi\_CO2\_Sensor">https://github.com/squaresolid/Gosanke\_Koi\_CO2\_Sensor</a>

Fork and redesign of the mixerli, not yet uploaded <a href="https://github.com/stahlnow/mixerli">https://github.com/stahlnow/mixerli</a>

Interactions with GOSH board and community We have joined several calls, open hours etc...

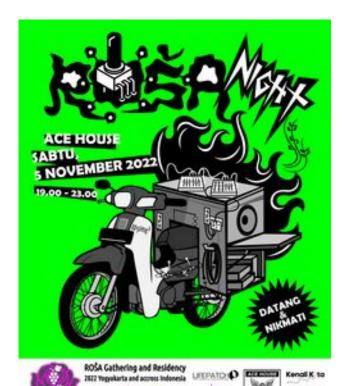
# Some Photos















Find many more here: <a href="https://mega.hackteria.org/index.php/s/n7yRC2rKTP29BDe">https://mega.hackteria.org/index.php/s/n7yRC2rKTP29BDe</a> We are still finishing a more substantial post-event documentation.

### Interaction with GOSH community on the Forum

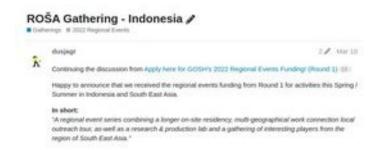
### Original application:

https://forum.openhardware.science/t/apply-here-for-goshs-2022-regional-events-funding-round-1/3290/7



#### Announcement & Updates:

https://forum.openhardware.science/t/rosa-gathering-indonesia/3522



Introduction to GOSH 2022 participants:

https://forum.openhardware.science/t/gosh-2022-introductions/3796/52



New Developments on DIY-CAD educational methodologies: <a href="https://forum.openhardware.science/t/new-designs-for-diy-cad-workshops/4301">https://forum.openhardware.science/t/new-designs-for-diy-cad-workshops/4301</a>

Call for meeting with other regional events organizers: https://forum.openhardware.science/t/regional-events-2022-please-share-updates-in-the-forum/3972/24 Sadly this never happened...