

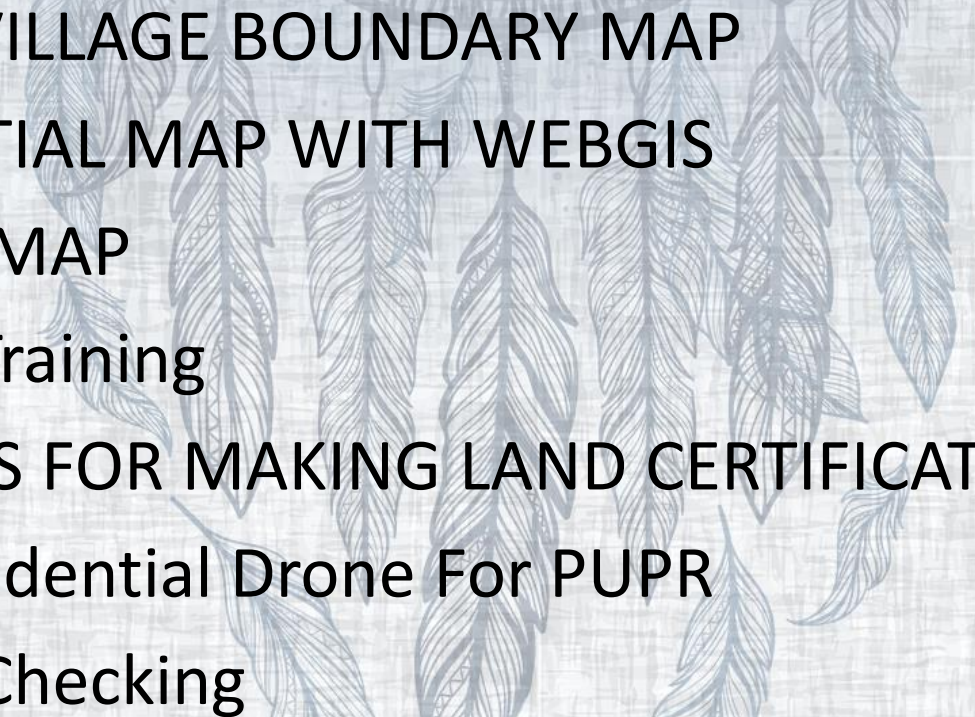
# PORTOFOLIO

YUSFIE MAHFUZHYY

Thank you for your interest in learning more about me. You can explore my project experience and portofolio.



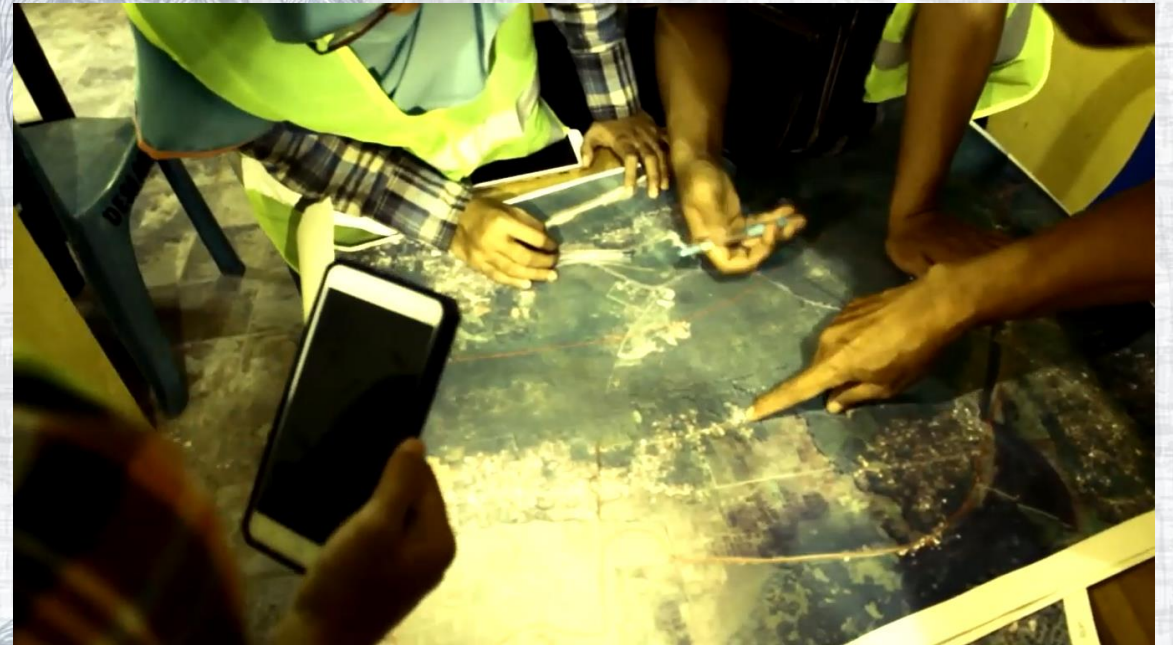


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- CARTOMETRIC VILLAGE BOUNDARY MAP
  - VILLAGE POTENTIAL MAP WITH WEBGIS
  - COVID HAZARD MAP
  - Disaster Drone Training
  - MEASUREMENTS FOR MAKING LAND CERTIFICATES
  - Central Java Residential Drone For PUPR
  - Kalikuto Bridge Checking



# CARTOMETRIC VILLAGE BOUNDARY MAP

I and three other friends were trusted to be part of the cartometric Team in determining the boundaries of the RW, Dusun, and Village in Asinan Village in 2019. We held discussions and socialization regarding the importance of defining regional boundaries.

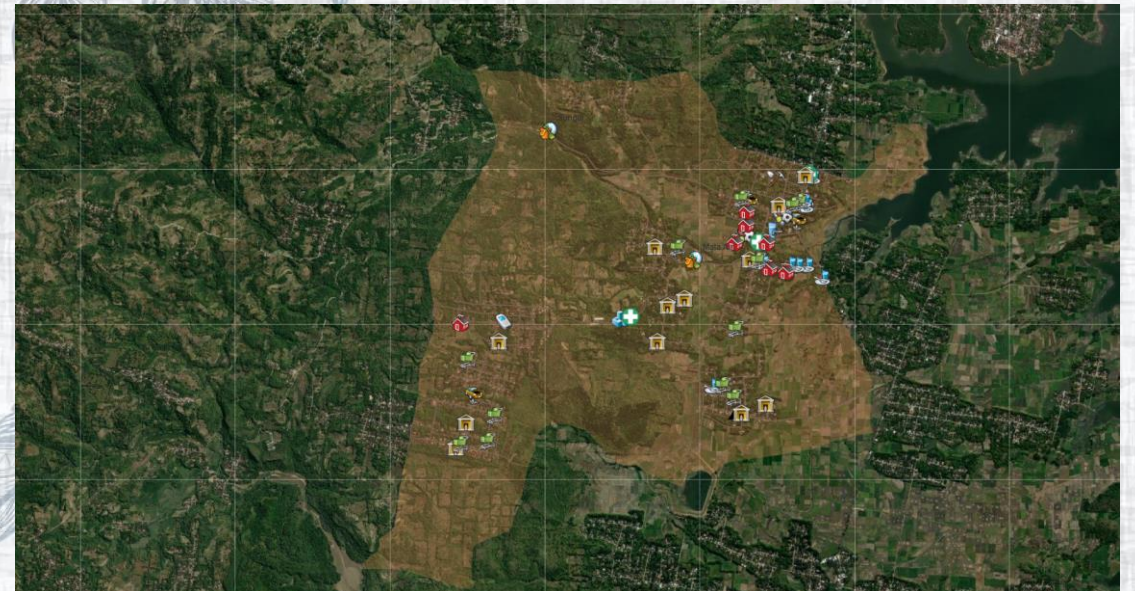
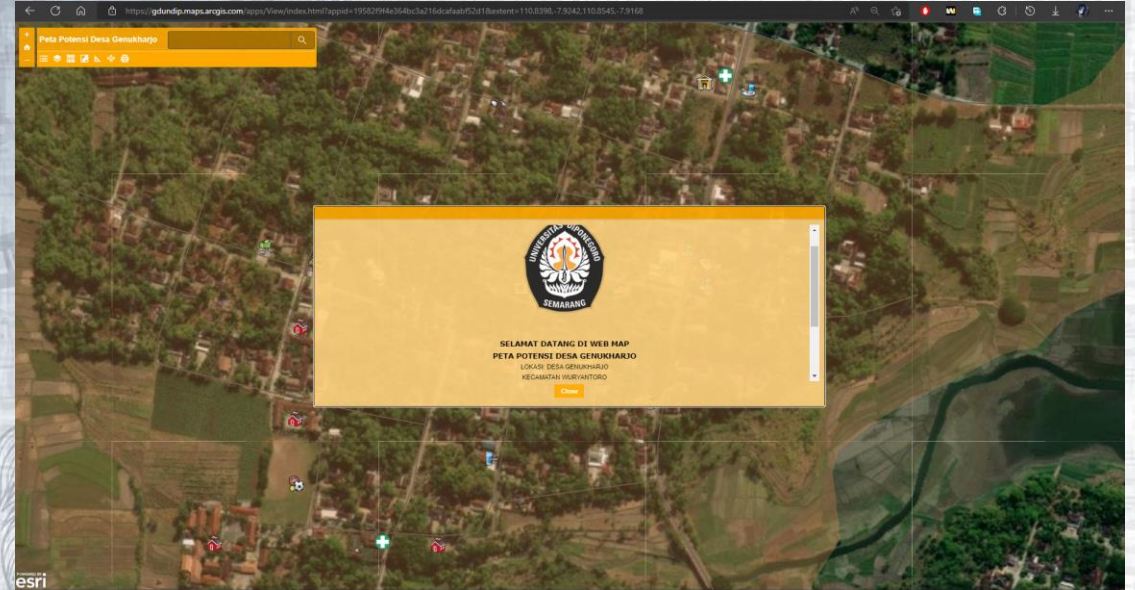




# VILLAGE POTENTIAL MAP WITH WEBGIS

In the 2021 Undip KKN activity, I created a WebGIS for potential in Bendungan Village with the aim of strengthening the economy of the Pedalangan community during the pandemic and being able to facilitate the exchange of information for potential actors in Bendungan Village. You can access to:

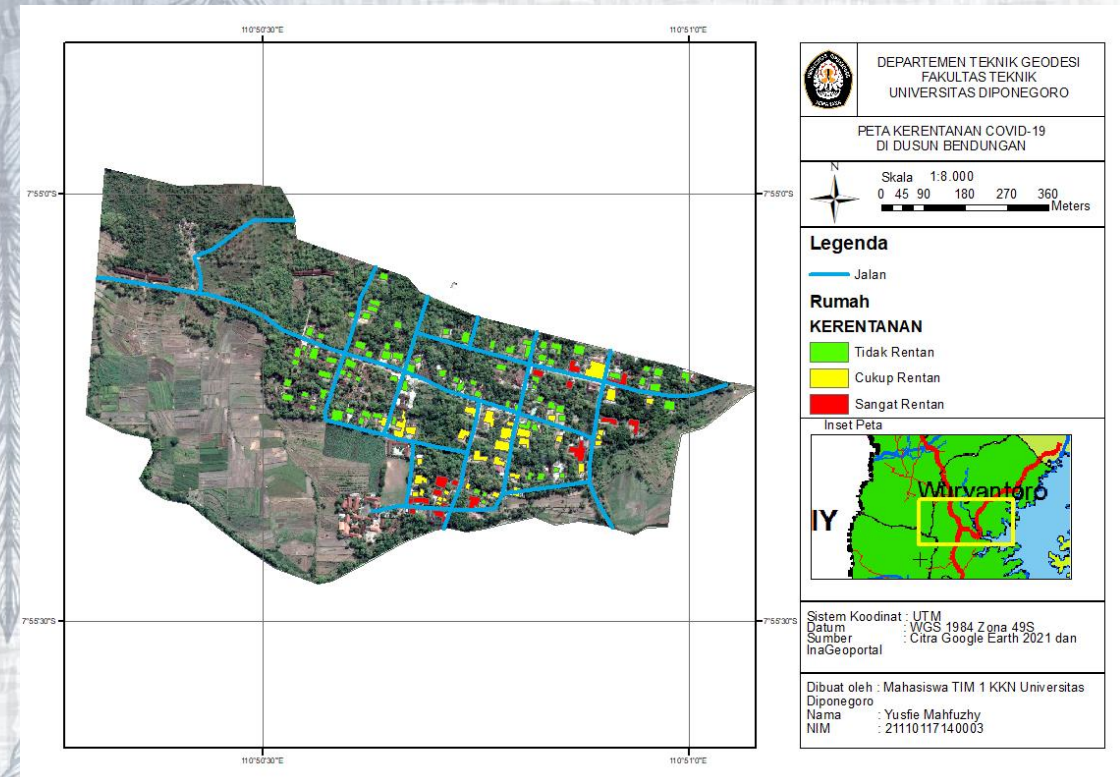
<https://arcg.is/1Le9OT0>





# COVID HAZARD MAP

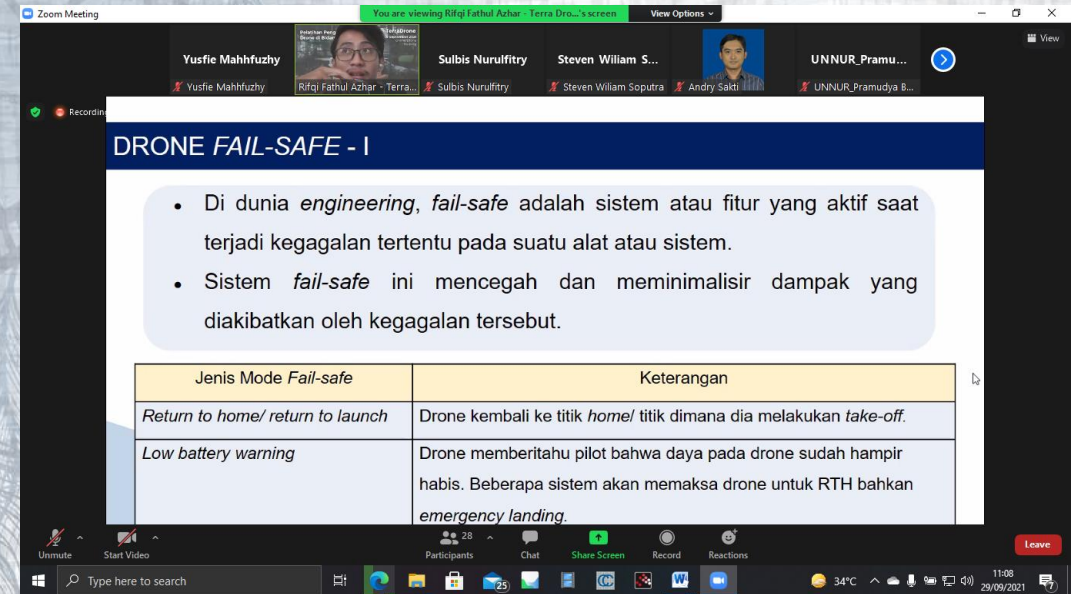
Also the Undip KKN activity, I made a map of the covid vulnerability in the Dam Village with the aim of knowing where the covid vulnerabilities were around the Bendungan Village.





# Disaster Drone Training

In 2021, I took the time to take part in an online training held by TerraDrone. In this training I got a lot of material about drone disasters. In the training, my friends and I were tested or posttested to find out how well we understood the material that had been delivered.



The screenshot shows a Zoom meeting interface. At the top, there's a header bar with the text "You are viewing Rifqi Fathul Azhar - Terra Dro... screen" and a "View Options" button. Below this, a row of participant names is visible: Yusfie Mahfuzhy, Sulbis Nurulfitri, Steven William S..., and UNNUR\_Pramu... The main content area displays a presentation slide titled "DRONE FAIL-SAFE - I". The slide contains two bullet points and a table. The first bullet point states that in the world of engineering, fail-safe is a system or feature that is active when a specific failure occurs on a tool or system. The second bullet point states that the fail-safe system prevents and minimizes the impact of the failure. The table below lists two types of fail-safe modes: "Return to home/ return to launch" and "Low battery warning", with their respective descriptions. The bottom of the Zoom window shows a taskbar with various icons and a system tray with the date and time.

DRONE FAIL-SAFE - I

- Di dunia *engineering*, *fail-safe* adalah sistem atau fitur yang aktif saat terjadi kegagalan tertentu pada suatu alat atau sistem.
- Sistem *fail-safe* ini mencegah dan meminimalisir dampak yang diakibatkan oleh kegagalan tersebut.

Jenis Mode <i>Fail-safe</i>	Keterangan
<i>Return to home/ return to launch</i>	Drone kembali ke titik <i>home/</i> titik dimana dia melakukan <i>take-off</i> .
<i>Low battery warning</i>	Drone memberitahu pilot bahwa daya pada drone sudah hampir habis. Beberapa sistem akan memaksa drone untuk RTH bahkan <i>emergency landing</i> .



The screenshot shows a competency certificate from TerraDrone. The certificate is titled "SERTIFIKAT KOMPETENSI" and is issued to Yusfie Mahfuzhy. It states that the certificate is for an online training on the topic of "PENGOPERASIAN DRONE UNTUK KEBENCANAAN" (Drone Operation for Disaster). The training was held on September 29, 2021, by PT. Terra Drone Indonesia. The certificate is signed by Ray Ozma, Technical Director. The background of the certificate features a faint image of a city skyline.

TerraDrone

No. TDIDCT/SCTCOM/2021/10/016

**SERTIFIKAT KOMPETENSI**

diberikan kepada

**Yusfie Mahfuzhy**

Sebagai peserta online training dengan topik:

**PENGOPERASIAN DRONE UNTUK KEBENCANAAN**

Yang diselenggarakan pada tanggal:

**29 September 2021**

PT. Terra Drone Indonesia

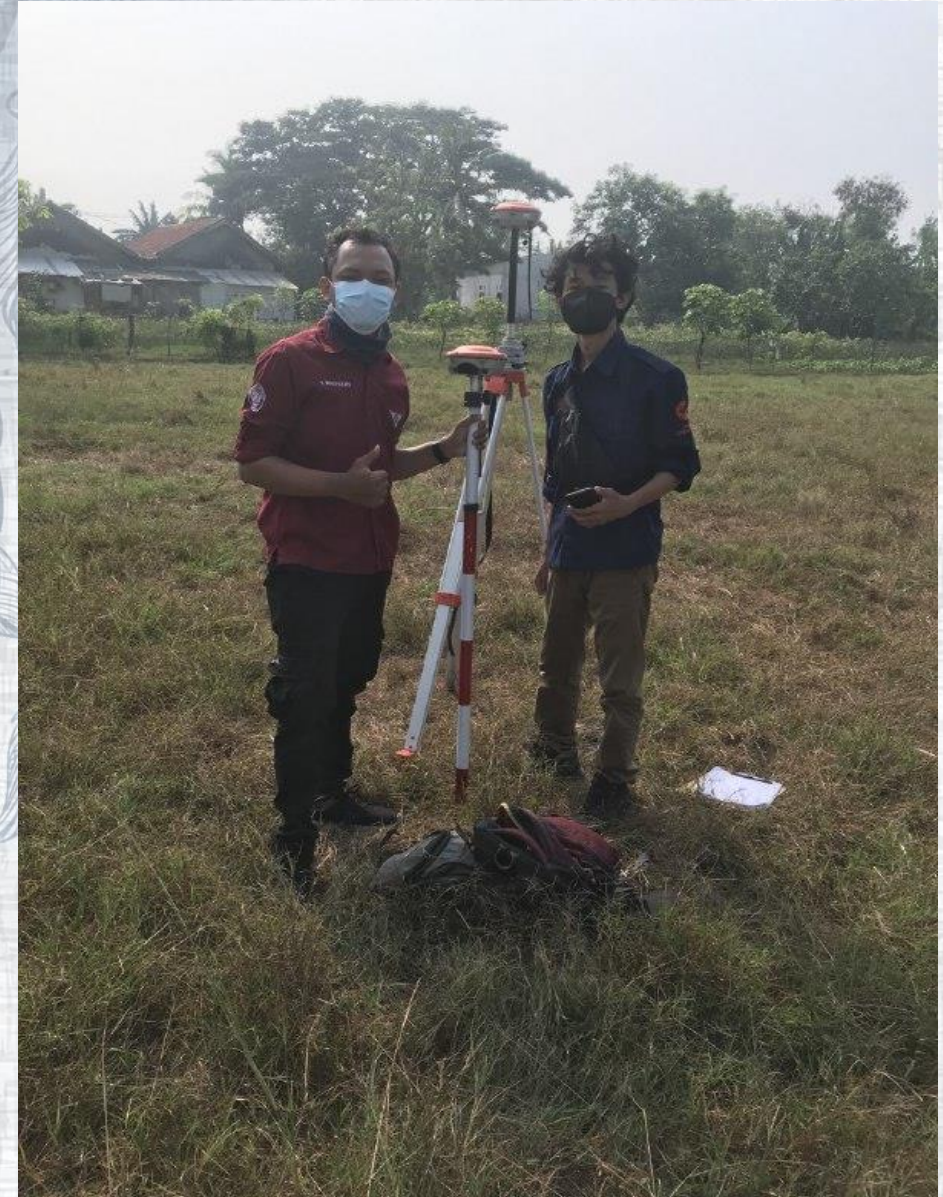
*Ray Ozma*

**Ray Ozma**  
Technical Director



# MEASUREMENTS FOR MAKING LAND CERTIFICATES

In 2021 from October to November. I took measurements for land certificates in Bekasi. This land certificate is intended to find out someone's land ownership. In its manufacture is done using RTK.





# Central Java Residential Drone For PUPR

In September 2021 I did a project where I was a surveyor and also a drone pilot together with PT. WebGIS and PUPR Central Java Housing in the context of a housing survey. This survey shows whether it is in accordance with the government's target in terms of housing development. In this project, my team and I visited several cities in Central Java, namely Banjarnegara, Jepara, Rembang, and Tegal.





# Kalikuto Bridge Checking

In December 2021, I had the opportunity to become a drone pilot in the Kalikuto bridge periodic inspection project by the Department of Public Works and Civil Affairs, Diponegoro University. In this project I used the DJI Phantom 4 drone.

