# PRIMARY BASIS IN IDENTIFICATION OF VILLAGE ADMINISTRATIVE BOUNDARY IN INDONESIA

CASE STUDY IN SUMBER VILLAGE, TRUCUK SUB-DISTRICT, KLATEN REGENCY, CENTRAL JAVA PROVINCE

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### INTRODUCTION

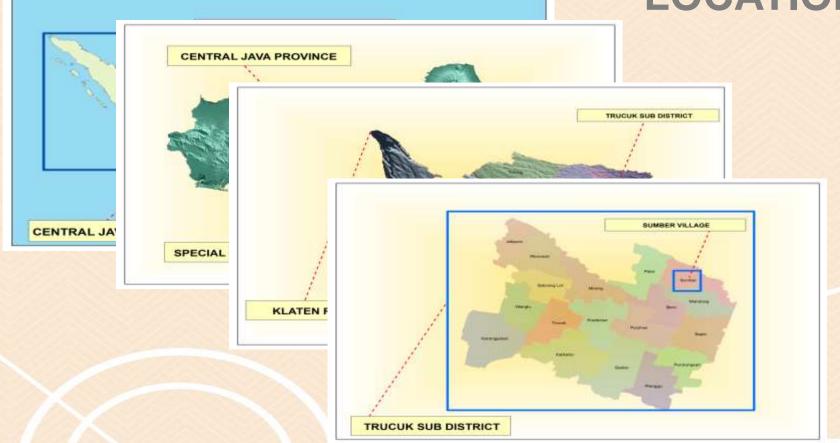
Research Background



Develop Indonesia from the periphery by strengthening the regions and villages within the framework of the unitary state.



## LOCATION



#### Data and Equipment

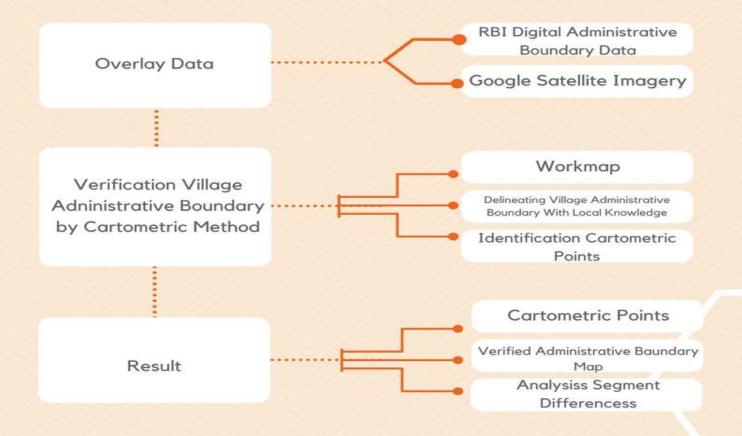
#### Data

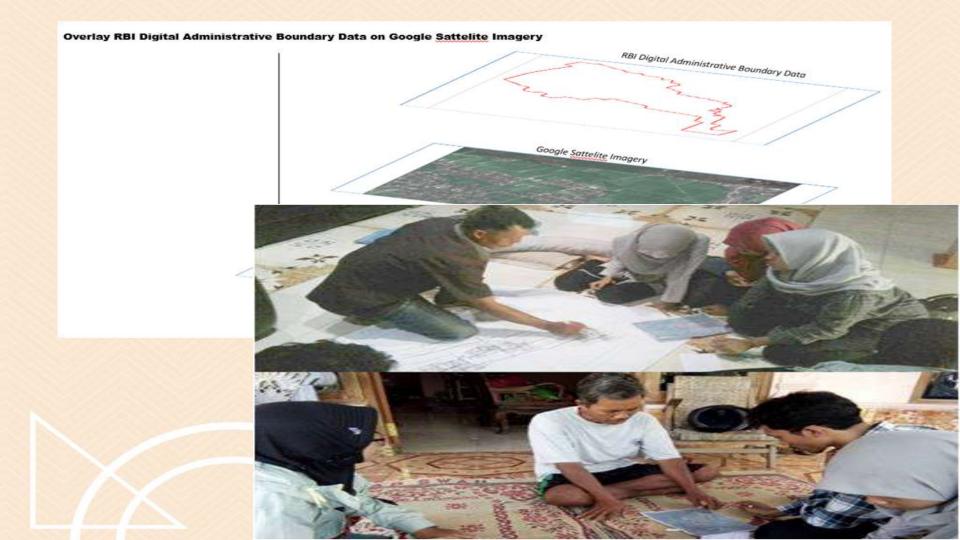
- Digital RBI data of 2004
- Google Sattealite Maps Imagery of Sumber Village 2016, downloaded for free using SASPlanet.
- Supporting Data as local knowledge about hamlet information and administrative boundary of Sumber Village
- Other maps and supporting documents from Sumber Village.

#### Equimpent

- Personal Computer/Laptop
- GPS
- ArcGIS
- Workmap

#### Research Flowchart





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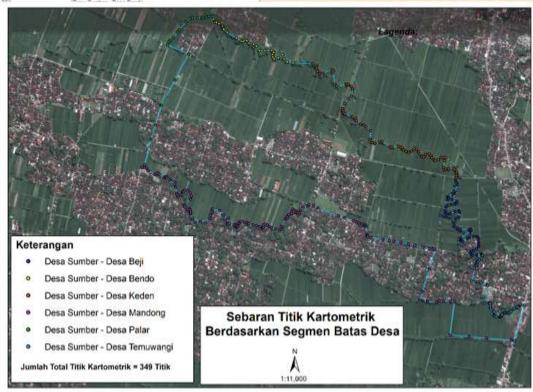
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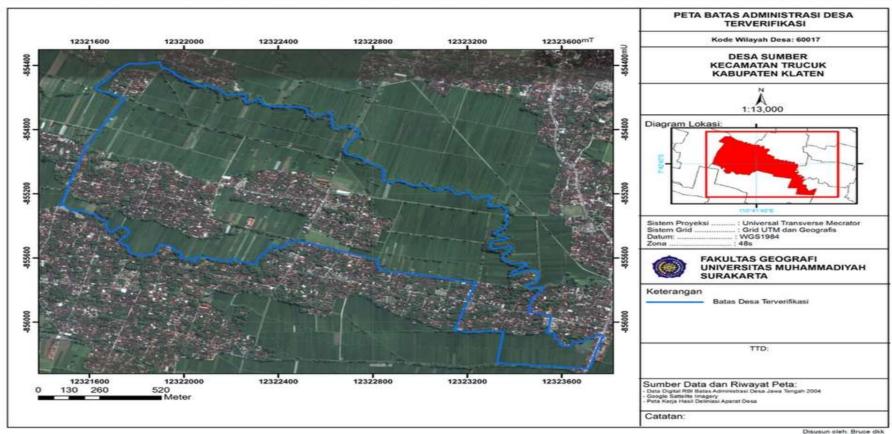
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## RESULT



#### Verified Village Administrative Boundary





# ANALYSIS



#### Segment Wide and Long Differences

Digital RBI 2004 Data	Verified Village Administrative Boundary
153.4 hectare	160 hectare

Digital RBI 2004 Data	Verified Village Administrative Boundary
8056.7 meters	8942.7 meters

## CONCLUSION

- Local knowledge is a primary basis in identification of village administrative boundary of Sumber Village, Trucuk Sub-district, Klaten Regency, Central Java Province.
- Cartometric Method is an efficient way If used based on local knowledge of village apparatus in identification village administrative boundary.
- There are four very striking segment differences in this research; Sumber Village-Temuwangi Village 1 segment, Sumber Village-Mandong Village 2 segments, and Sumber Village-Palar Village 1 segment,
- There are differences about wide and length in verified village aministrative boundary, both of them are wider and longer than the original boundary from RBI

# Thanks