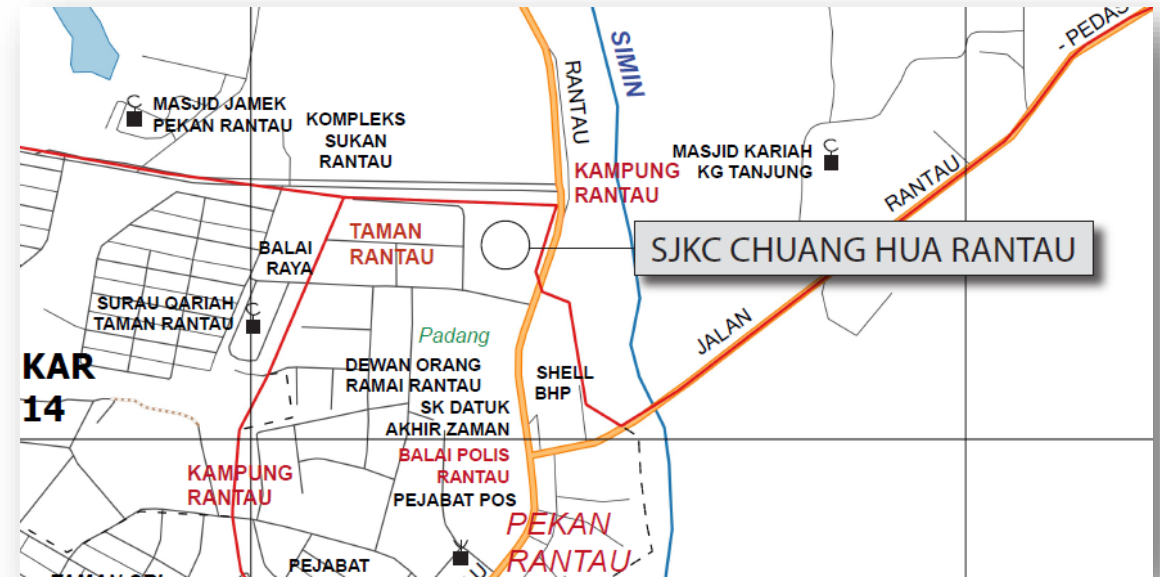


Unique Address: Defining the country

Danesh Prakash Chacko

Presentation Outline

- Address application by Civil Society
- Address Problem Examples
- Potential Solutions

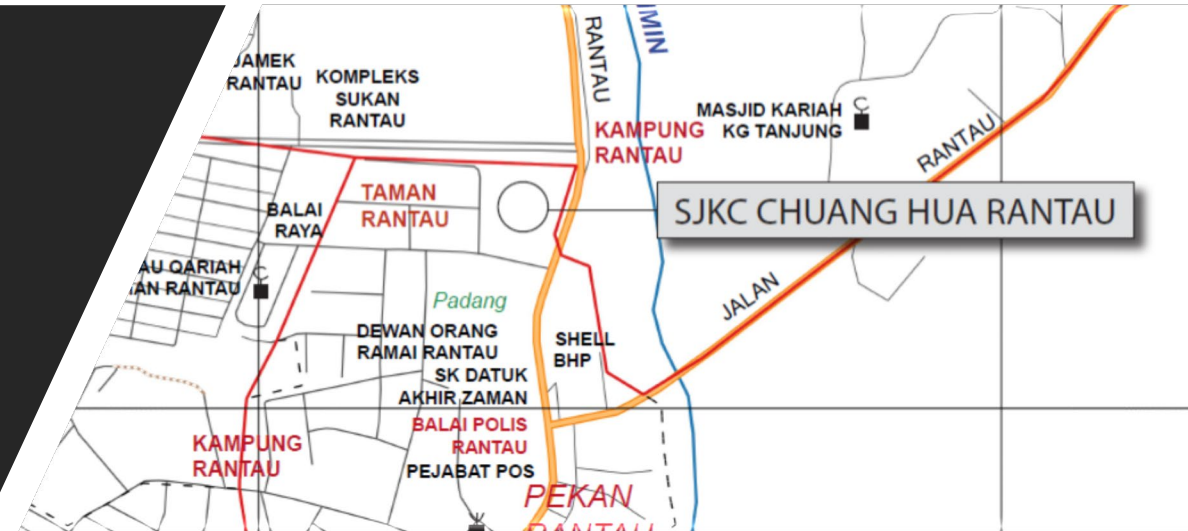


“Presentation dedicated to Tindak Malaysia volunteers, fellow NGOs and finally, citizens of Malaysia”

Address Application (Tindak Experience)

- Primarily, to detect presence of suspicious voters
- Unraveled limitations of current electoral rules
- Case of 74 Taman Rantau (Negeri Sembilan)
- Case of 71 Kampung Paroi (Negeri Sembilan)
- With limited yet unique form of address, it helps electoral reform NGOs to unravel malpractices or deficiencies in electoral laws

74 TAMAN RANTAU – '1 MALAYSIA' HOUSE?

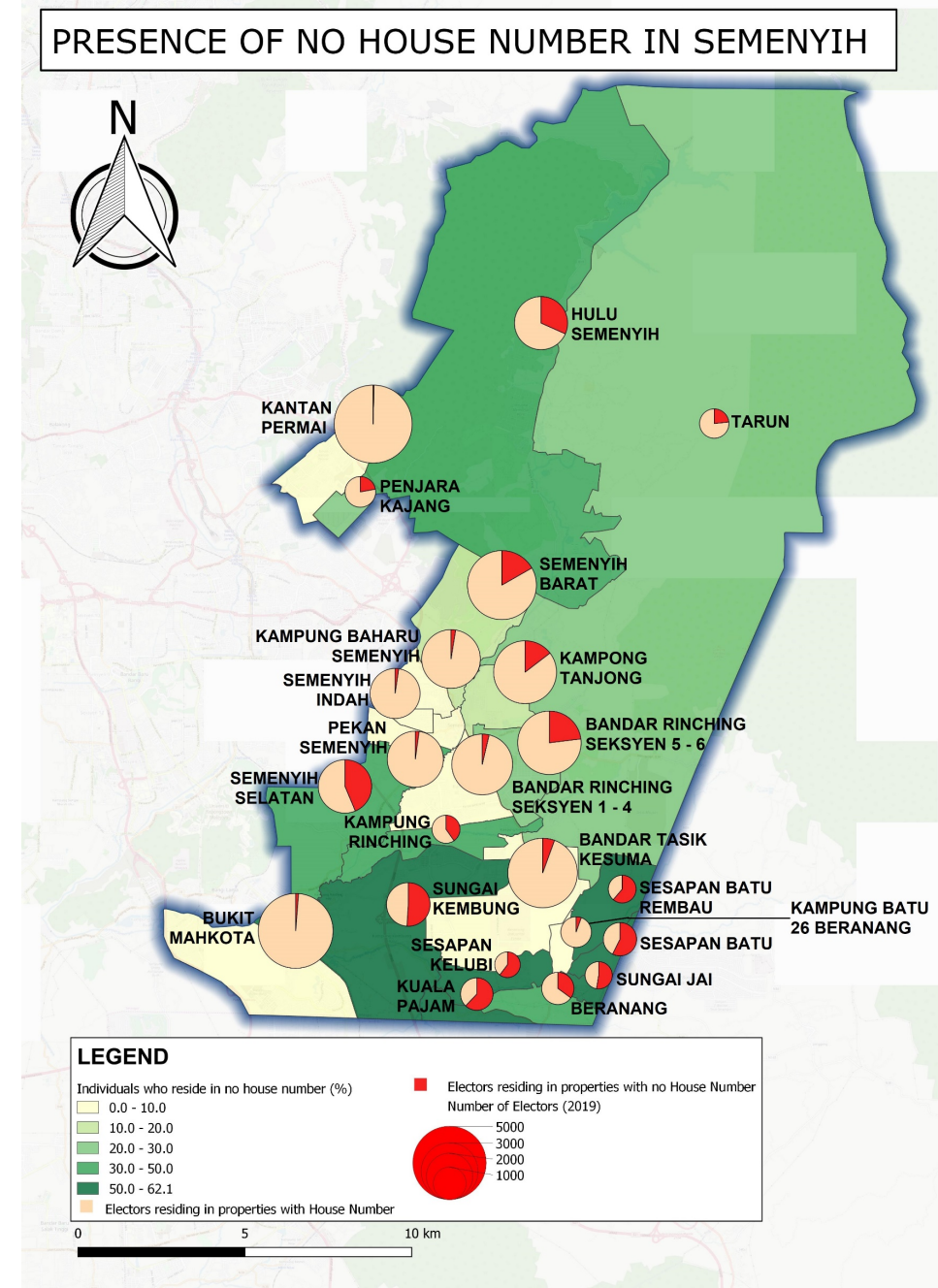
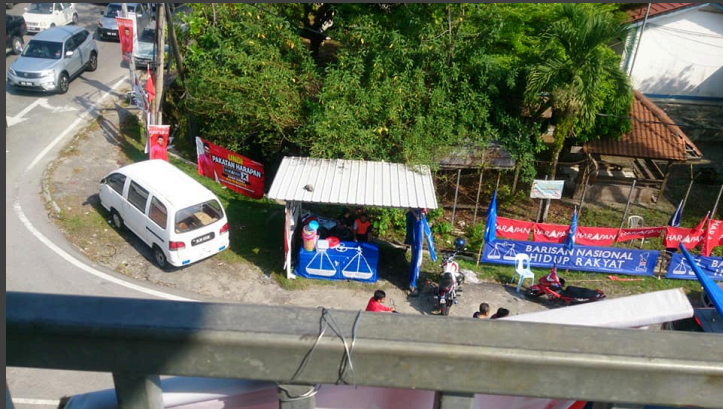


71 KAMPUNG PAROI – EMPTY LOT WITH VOTERS



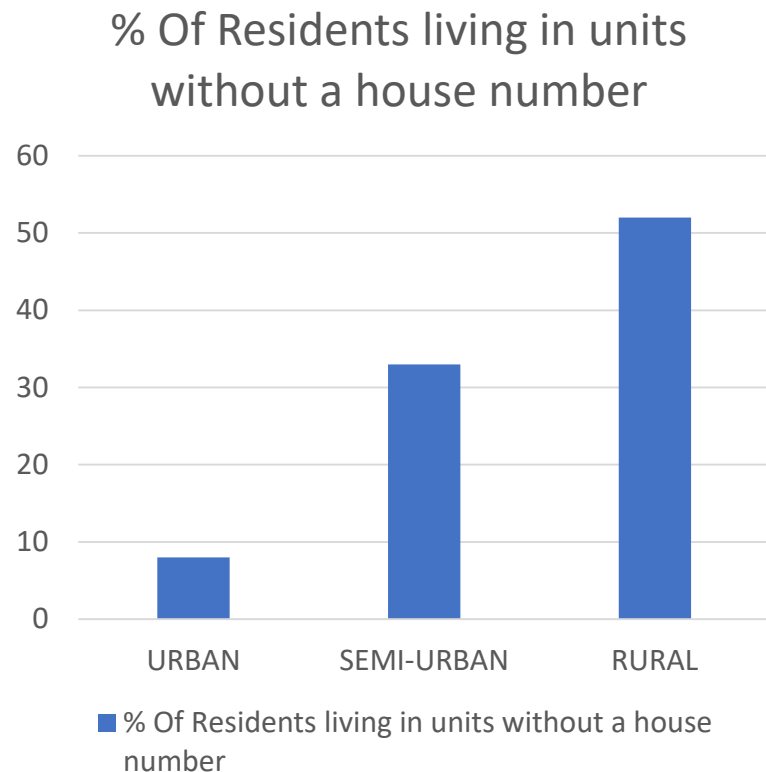
ADDRESS PROBLEM IN A SEMI – URBAN CONSTITUENCY

#Example 1 –
SEMENYIH



Data Source: SPR Malaysia

Examination of Semenyih Situation



- 9151 electors reside in units with no address (16.8% of the constituency)
- Clear geographical distinction between urban and rural sections
- Polling Districts with very new housing areas have extremely low number of unaddressed units
- 7 Electors reside in units with House Number '0' or '00'
- Questionable address units/ Misplaced assignments
 - Ladang Dunedin (Semenyih Selatan) – Now being developed as Housing area?
 - Taman Sri Haneco – geographically in Tarun Polling District but assigned to neighbouring Hulu Semenyih

ADDRESS PROBLEM IN A SABAHAN CONSTITUENCY

#Example 2 – TANJONG PAPAT (SANDAKAN)



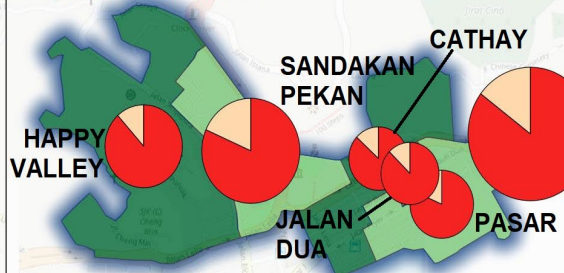
PRESENCE OF NO HOUSE NUMBER IN TANJONG PAPAT



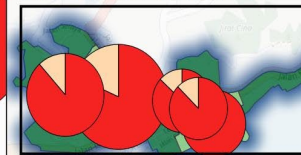
LEGEND

- Individuals who reside in properties with no House Number
 - Below 80% (Light Green)
 - 80 - 85 % (Dark Green)
 - Above 85 % (Very Dark Green)
 - Electors residing in properties with a house number (Light Orange)
 - Electors residing in properties without a house number (Red)
- Number of Electors (2019)
- 4000 (Largest Red Circle)
 - 3000
 - 2000
 - 1000 (Smallest Red Circle)

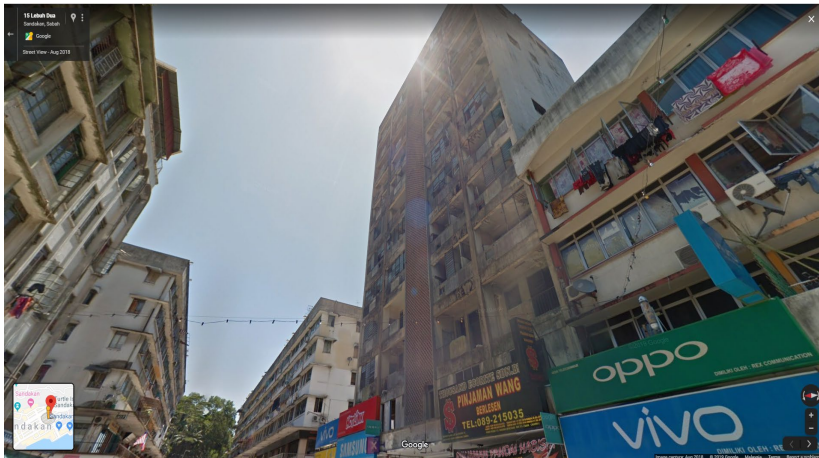
ENLARGEMENT A



ENLARGEMENT B



Examination of Tanjong Papat Situation



Flat Unit in Lebuah Dua (Jalan Dua) Polling Districts. Voters in this polling district have hardly a unique unit number (© Google Maps)

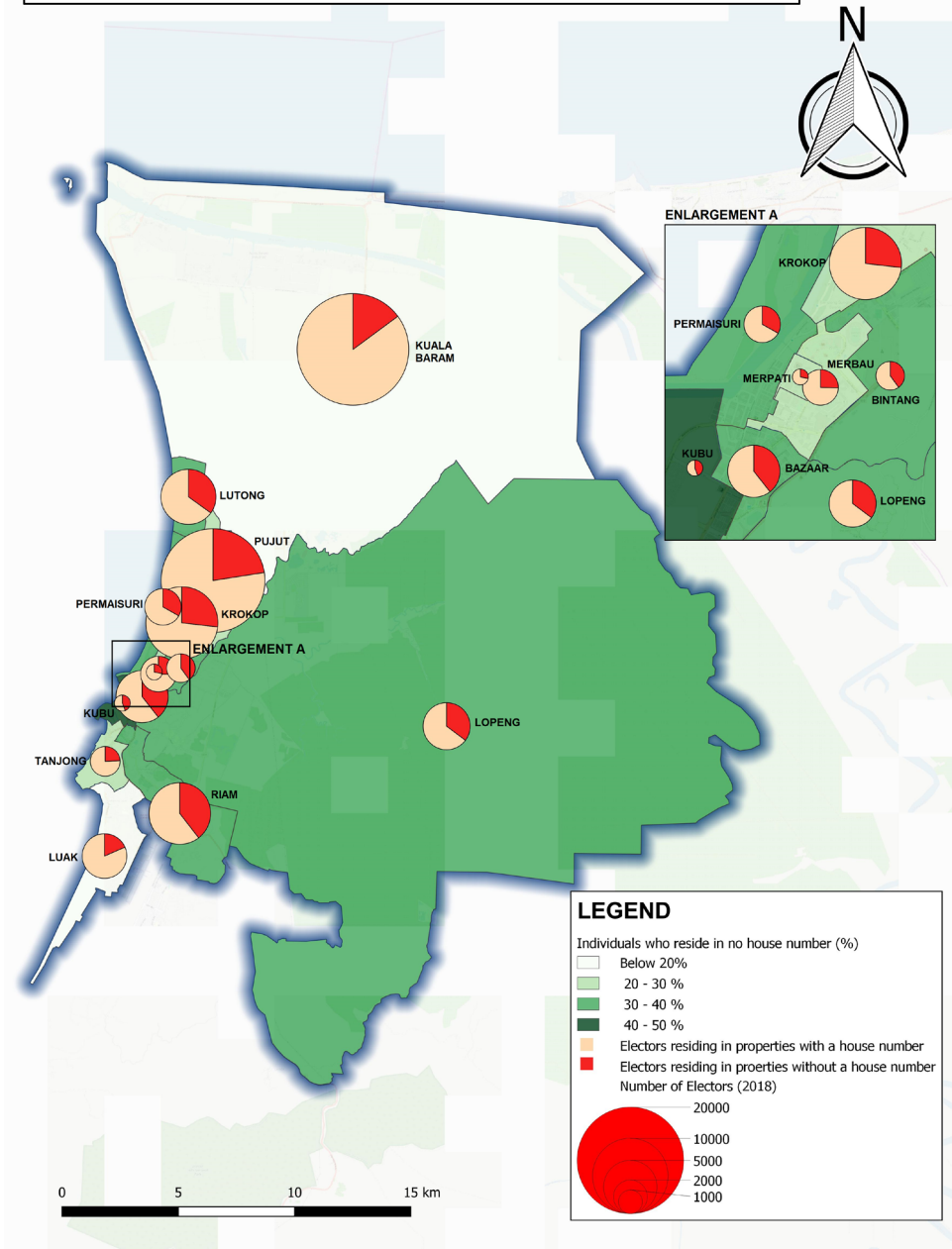
- 10594 electors live in units that do not have house number (74.5% of the constituency)
- No clear distinction between urban and rural sections where rural Sim – Sim exception has very low non addressable units
- Jalan Singapura (Happy Valley) are largely dominated by flats but very few residents have unit numbers
- Sea Village of Berhala Darat largely is devoid of unit numbers
- Localities of Jalan Sim – Sim and Berhala Darat may overlap
- Name Jalan Gereja no longer exists

ADDRESS PROBLEM IN A SARAWAKIAN CONSTITUENCY

#Example 3 – MIRI



PRESENCE OF NO HOUSE NUMBER IN MIRI



Data Source: SPR Malaysia

Examination of Miri Situation



Could this point to a defunct locality in Miri called Jalan Ferry? There is no ferry service at the western side of Miri River

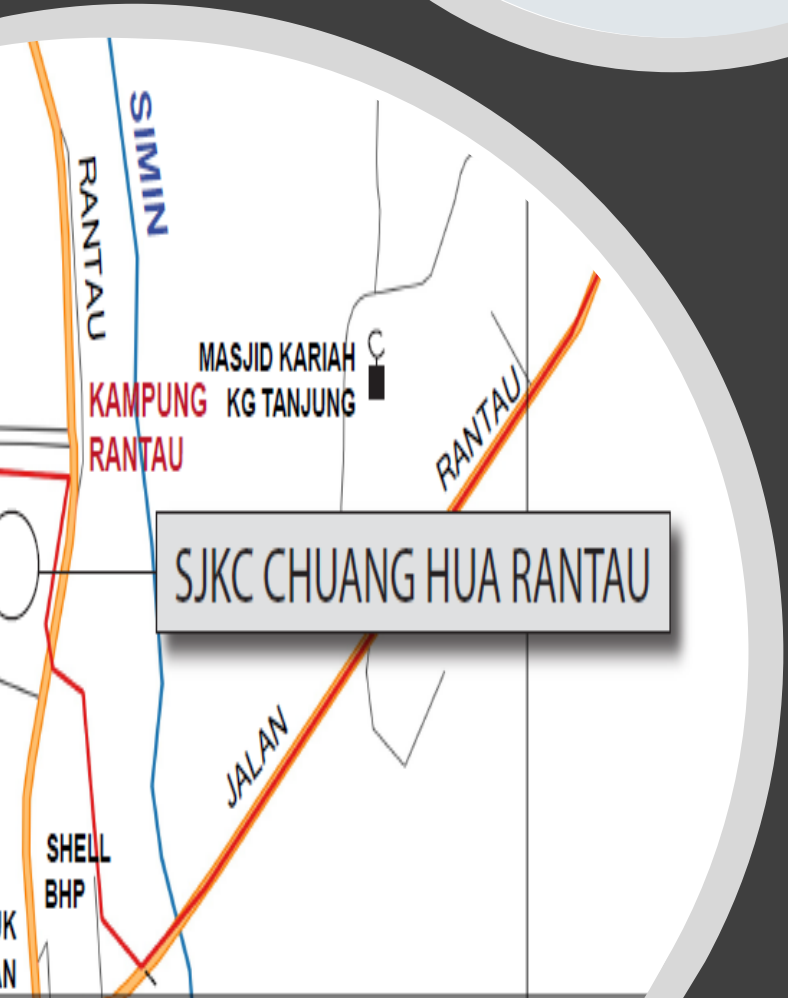
- 21014 electors live in units that do not have house number (25.4% of the constituency)
- Polling districts with established or growing housing areas have most of its electors residing in numbered units
- Questionable address/Other Issues
 - Lot 296 Medical Road – Medical Store Road name no longer exist (might be Jalan Tanjong)
 - Miri Hospital (Kubu) – A locality that is now a golf course or redesigned riverbank
 - Jalan Chantek (Lutong) – Exist in electoral roll, today, it is a construction site
 - Jalan Biru, Jalan Cosmos (Bintang) – Do these roads exist?
 - Rumah Kiai – Bumiputera Village needs geocoding

Moving Forward

- Address Building Block
 - Spatial Component
 - Latitude (Y), Longitude (X), Altitude (Z) - Compulsory
 - Coordinates can be source : JUPEM DCDB [centroids](#), Handheld GPS in conjunction of Census 2020
 - Z Coordinates (for Apartments/ Condos): Floor Level (x 2.5 metres), Building Information Modelling (BIM)
 - Attribute Component
 - Descriptive Compulsory Values: House (and/or Unit) Number, Street Name/ Mukim (for rural areas), Suburb/City/District (for rural areas), Postcode, State
 - Additional Values: Complete Unit Number, Floor Level, Block/Flat Number, Lot Number (for rural areas)
 - Database Identifier: [What3Words](#), alphanumeric number

Moving Forward

- For the purposes of electoral roll
 - Address coordinates captured by JUPEM or any government agency (without ownership detail) MUST NOT be RESTRICTED Data
 - Base Address Coordinates by JUPEM (from DCDB) should be passed to EC
 - JUPEM should advise EC on linking IC of voter with the address coordinates
 - Local Authorities/ relevant government agencies should inform EC within 2 weeks of the following
 - Finalization of any subdivisions
 - Finalization of new housing estates
 - Notification of full demolition of any residential or mixed used property premises
 - Notification of gazetting of new road names
 - Advise EC on status on villages where the population may be mobile



Unique Address:
Defining the country