

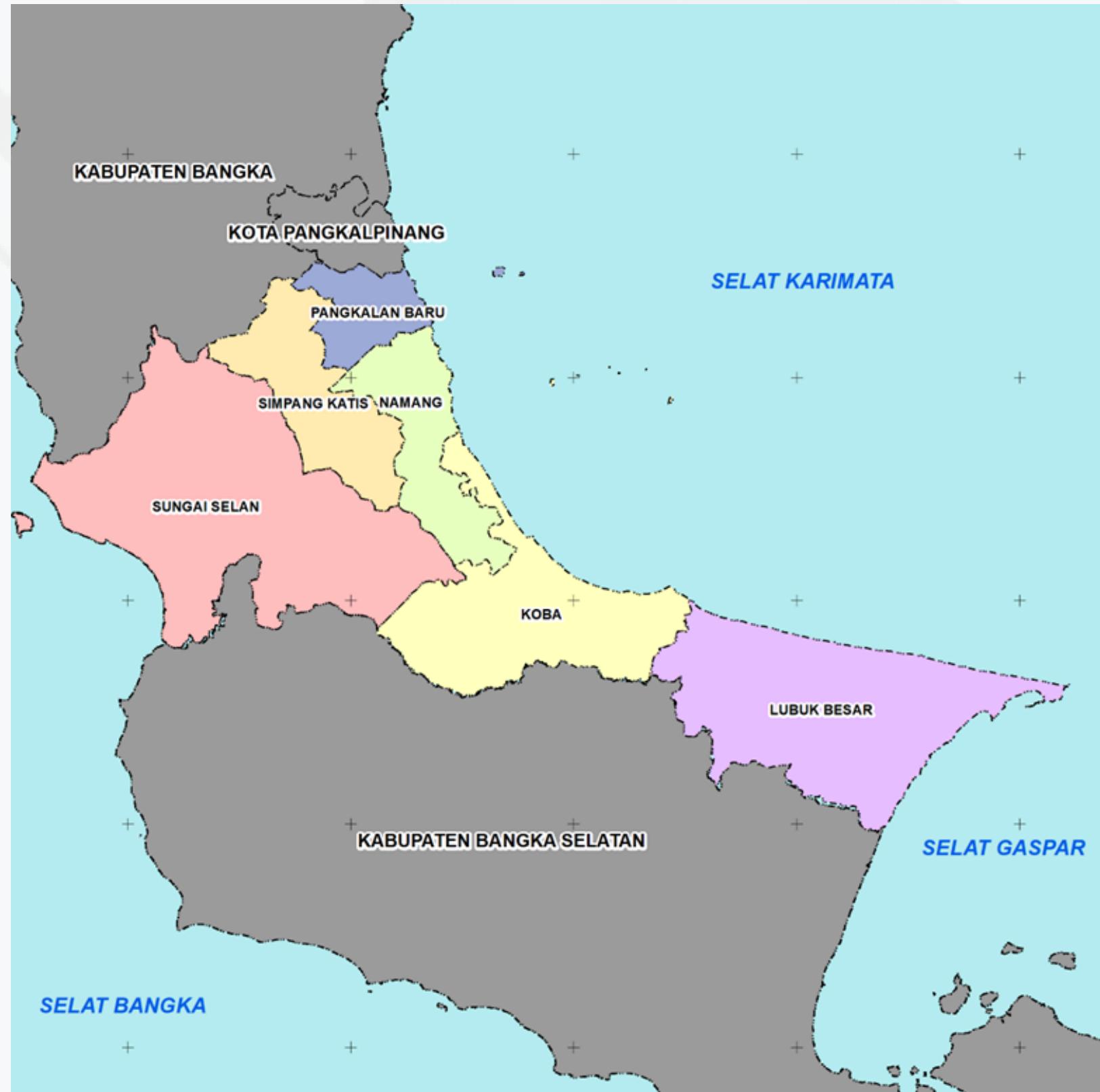


WebGIS Portfolio

Spatial Distribution of Uninhabitable Houses (RTLH)

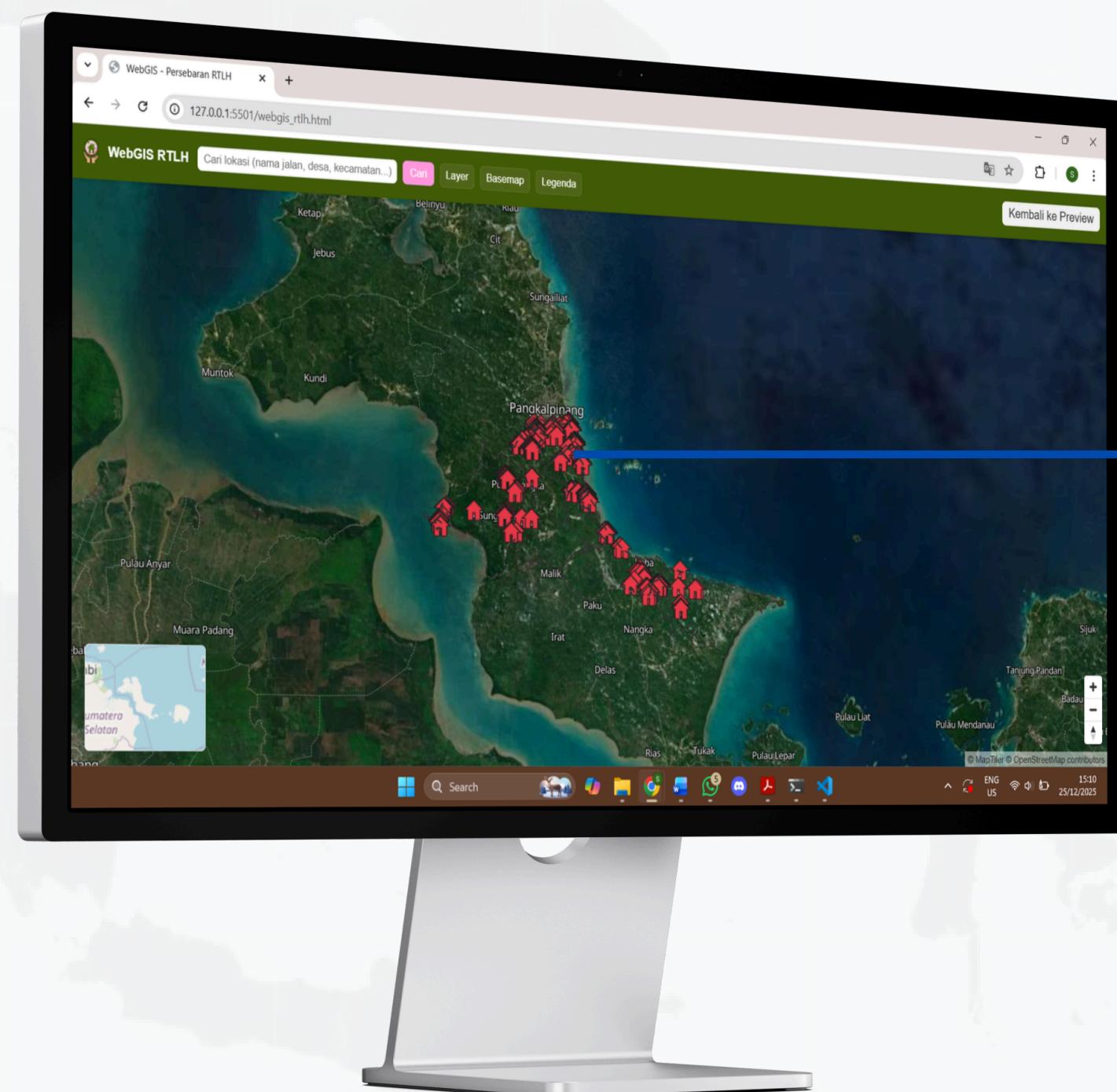
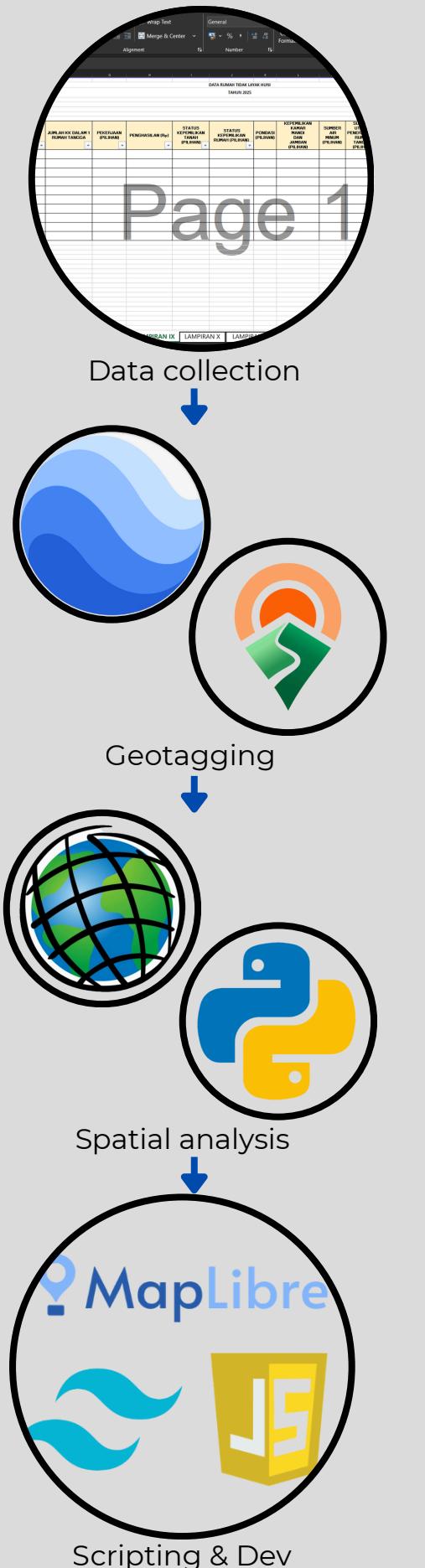
Salsabila Anindya | GIS Analyst

<https://linkedin.com/in/salsabila-anindya>

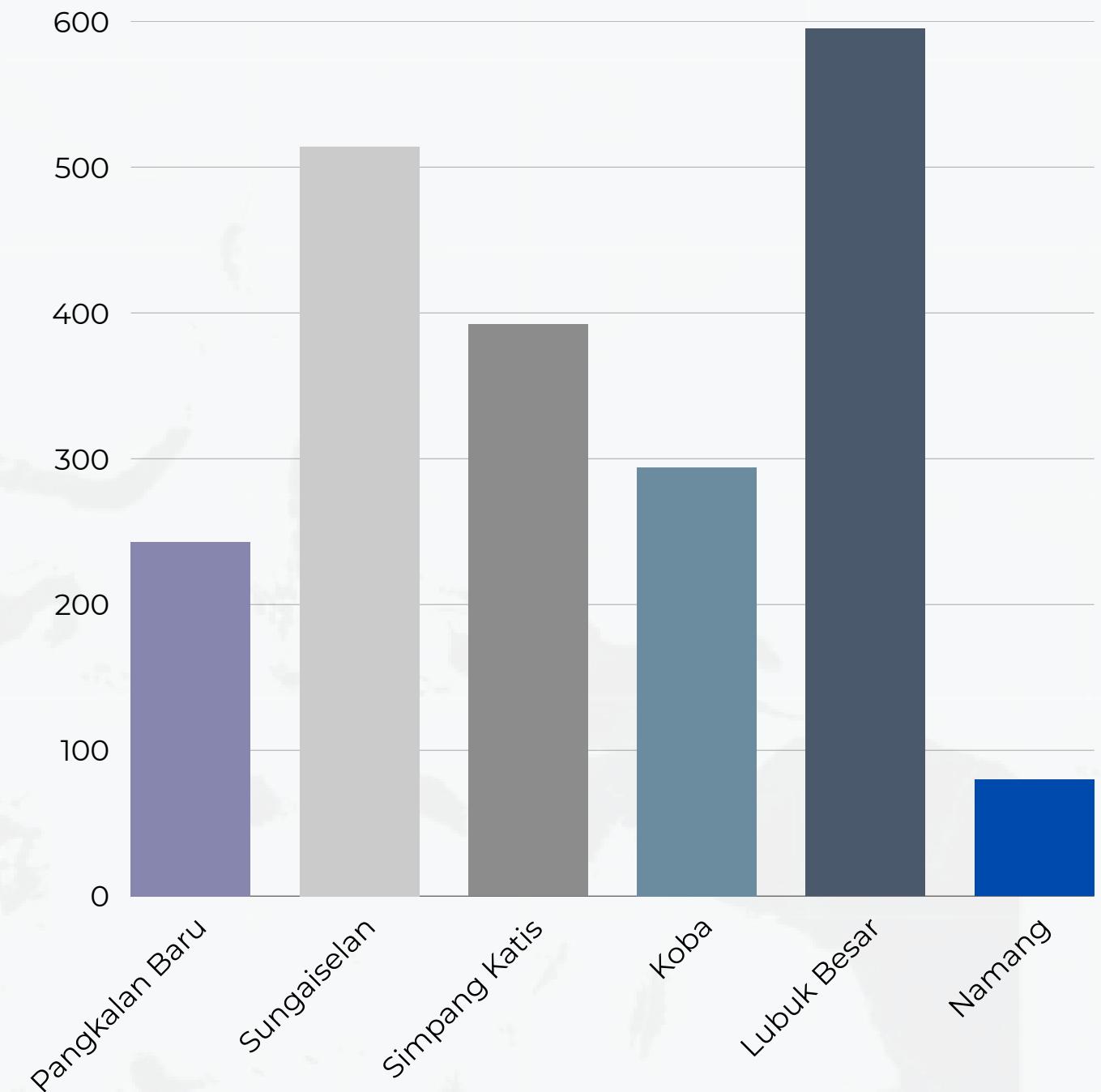
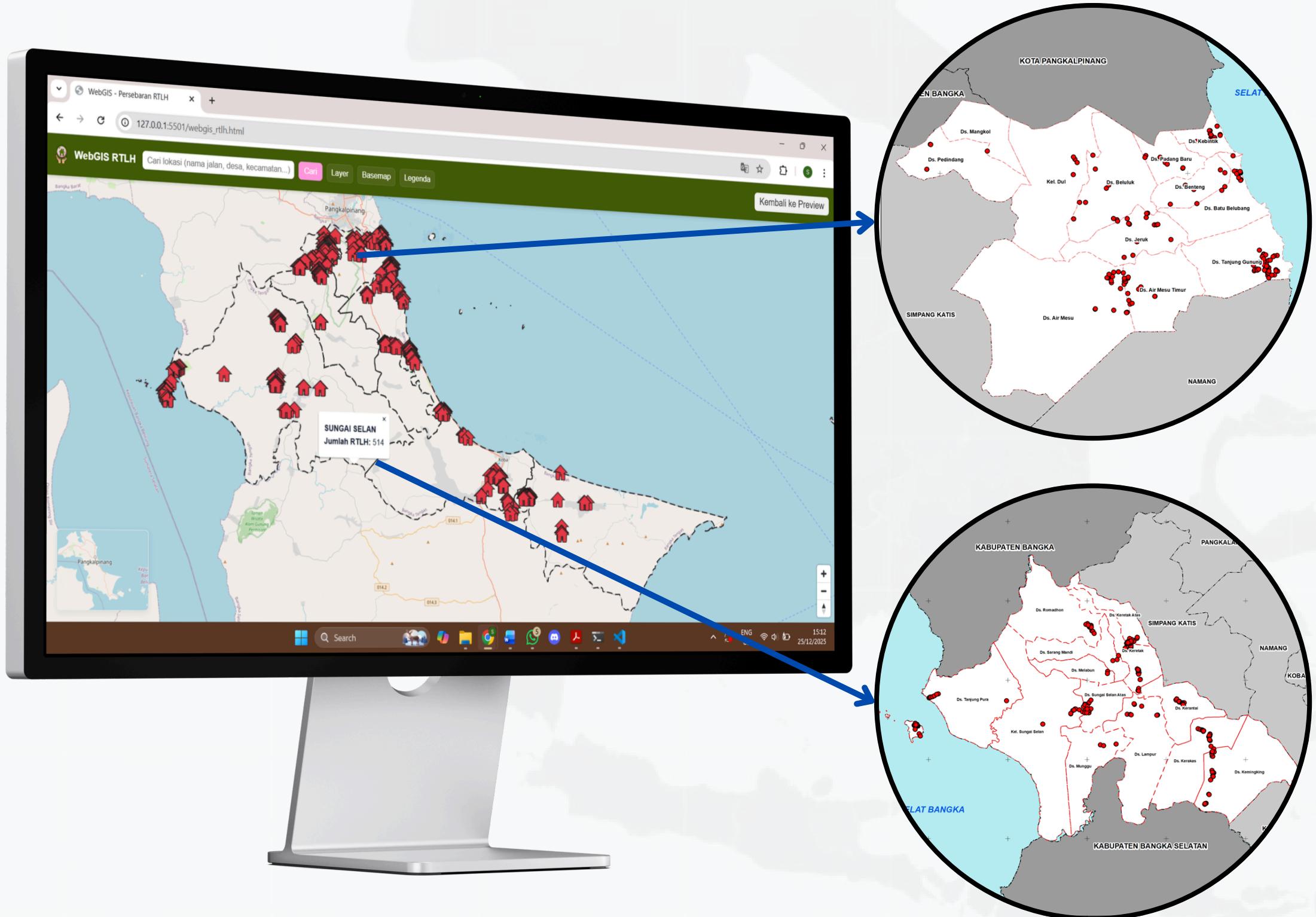


This project presents a WebGIS-based spatial analysis of uninhabitable houses (RTLH) at the regency level, encompassing 6 districts, 63 villages, and more than 2,000 housing records. It is designed to serve as a decision-support tool for housing policy formulation, intervention prioritization, and monitoring.

Work-flow



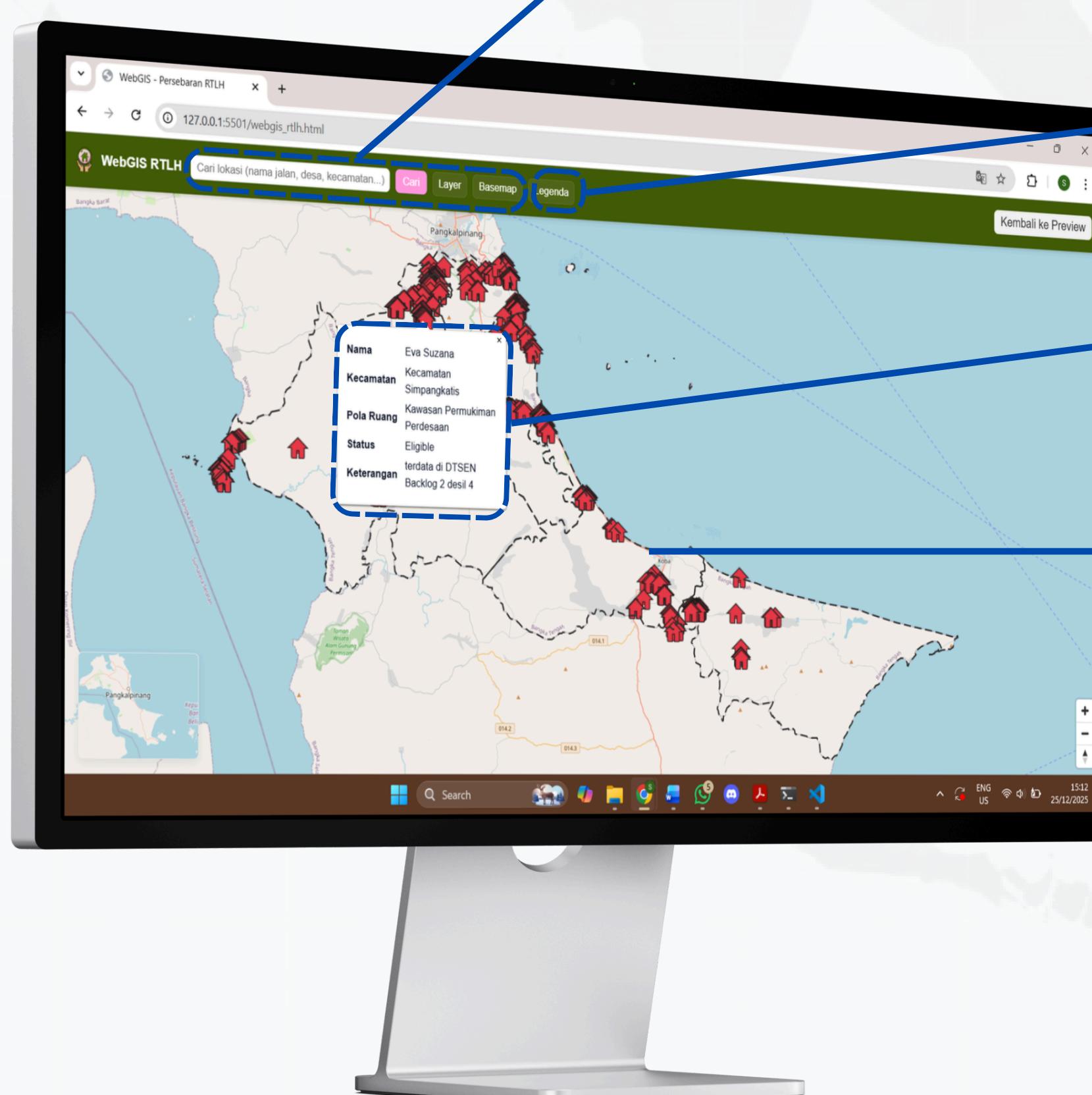
Conducted GPS-based field surveys and validated housing data against administrative records, integrating multi-criteria socioeconomic and physical indicators.



Analyzed spatial distribution patterns of RTLH and produced thematic maps at village and district levels to identify priority areas.

Navigation & Search

- Basemap Switcher: Seamless toggle between Satellite and Street maps.
- Geocoding Search: Instant navigation to Districts and Villages.
- Standard Controls: Intuitive Zoom and Full-screen exploration.



Spatial Management

- Layer Toggling: Toggle RTLH points and administrative boundaries.
- Interactive Legend: Real-time symbology for accurate interpretation.
- Opacity Control: Adjustable sliders for seamless layer overlays.

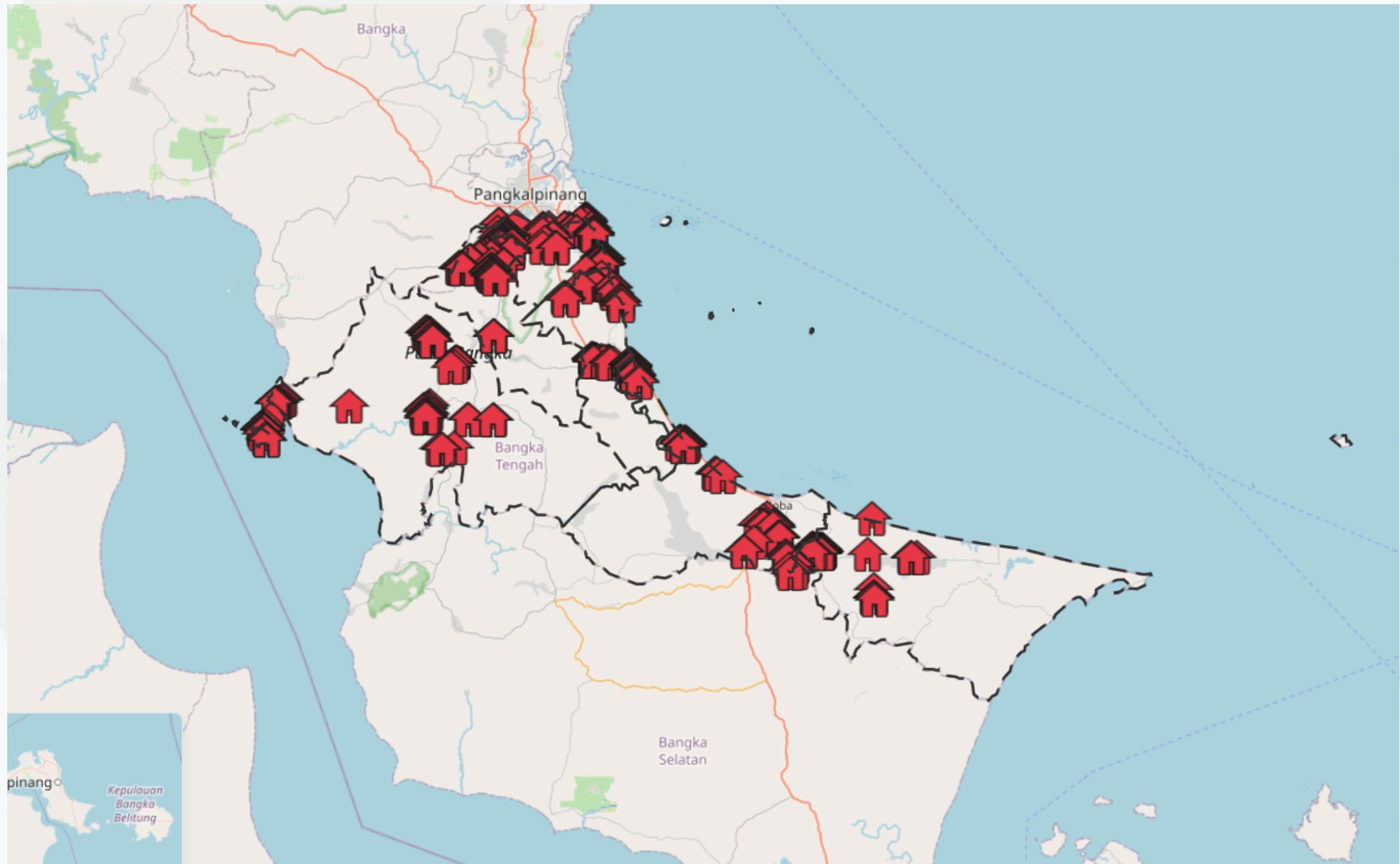
Data Interactivity

- Attribute Pop-ups: Instant access to housing and owner profiles.
- Smart Filtering: Isolate data by damage category or eligibility.

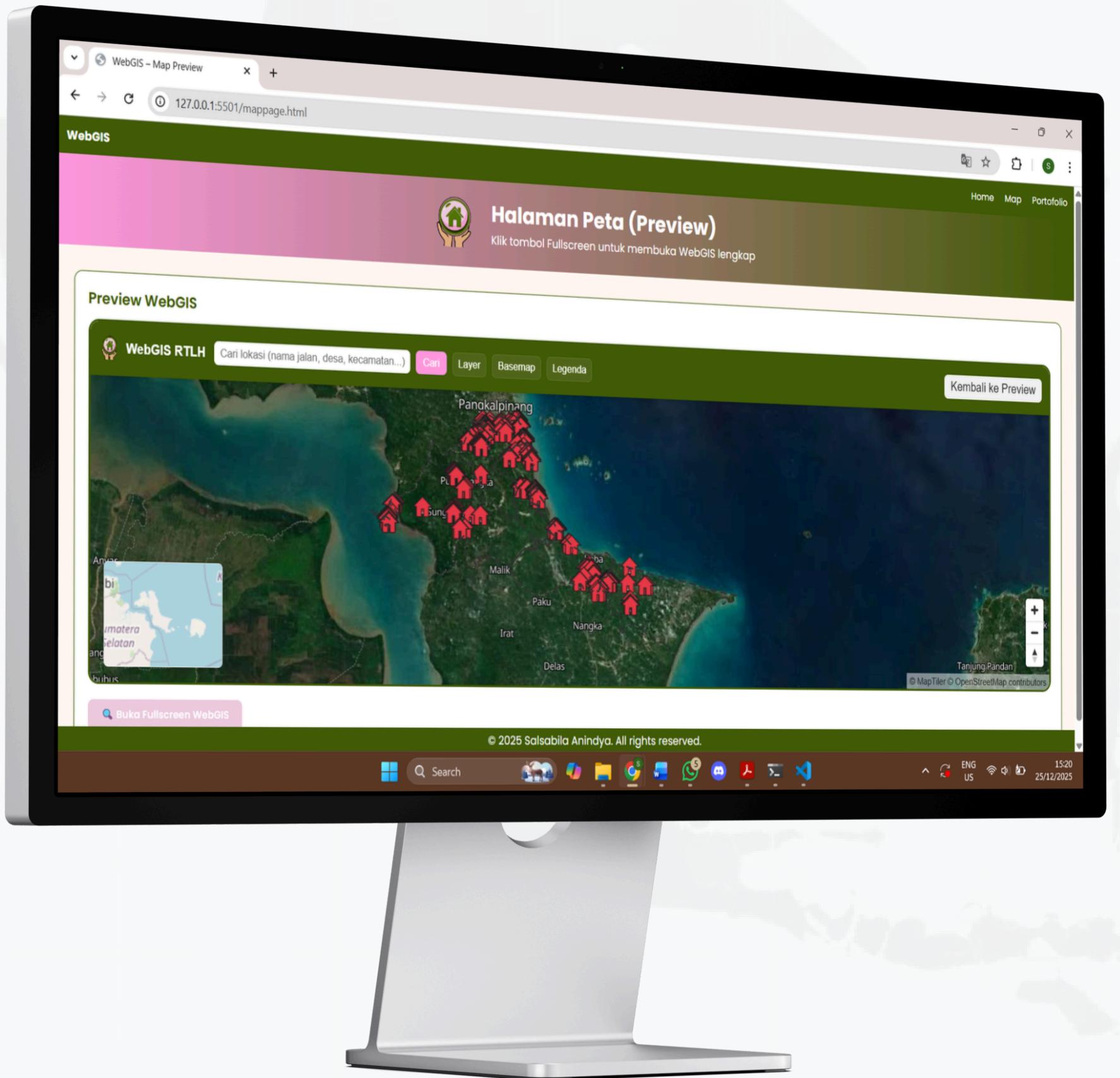
Advanced Analytics

- Thematic Mapping: Automated choropleth for regional RTLH density.
- Point Clustering: Intelligent grouping to maintain map clarity.

Visualized RTLH distribution through an interactive WebGIS to support data exploration and decision-making by non-technical stakeholders.



Impact: Streamlined the identification of high-priority settlement areas, reducing data-to-decision time for stakeholders.



<https://sanindy7-git.github.io/WebGIS-Porto/>
best viewed on desktop



This project demonstrates my capability as a GIS Officer in managing large-scale spatial datasets, conducting spatial analysis, and communicating findings through both thematic maps and interactive WebGIS platforms. The experience complements my field-based GIS work in housing and settlement planning.



Let's Transform Data into Spatial Insights.

I am ready to bring my expertise in spatial analysis and WebGIS development to your team. Whether it's housing policy or regional planning, I am eager to help build data-driven solutions.

<https://linkedin.com/in/salsabila-anindya>