LIROP RESEARCH



Walkable Southeast Asia: A Repository Of Urban Liveability Features

PURPOSE

- Reduce automobile dominance

DATA & SCRIPTS

TOOLS & METHODOLOGY

Geospatial Analysis



FINDINGS

Total area of Jakarta (so km): 665.08 Total network density (km of network per sq. km): 42.28 Convex Hull Population density (per sq. km): 15,457.85 Building density (per sq. km): 2,560.45 · Elevation density (per sq. km): 43.25 PROCEDURE RESULT CONCLUSION

- · Extracted the pedestrian network using boundary files.
- · Calculated the total length of network edges, network density and intersection
- Extracted Population Counts.
- Computed the three an isochrone.

- · By comparing walkability isochrones, we can quantify neighborhoods.
- · Analysis of walkability in the districts of Bendungan Hilir (Central Jakarta), Tanah Cengkareng (West Jakarta),

- · Computing the walking the isochrone (e.g., POI) to the nearest park.
- the entire city of Jakarta.
- · Computing walkability metrics for all the other 4 cities.

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EXPANDING HORIZONS, NURTURING MINDS