Big DATA Step: How Indonesia builds the Housing Real Estate Information System (HREIS)







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Indonesia Housing Backlog inflated actual housing demand



12.1 million units (2018)

Source: RPJMN 2020-2024

Gol Housing Program: Credit-linked Subsidy

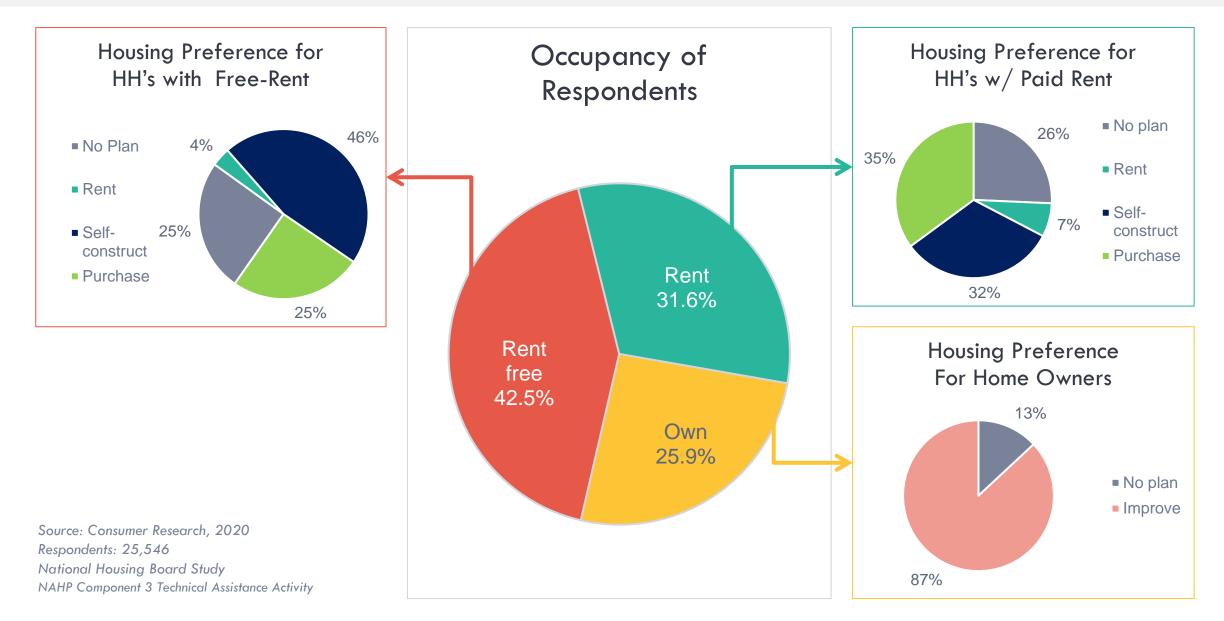


Average Gol fiscal expenditures for housing (2018-2021): USD 1.2 billion

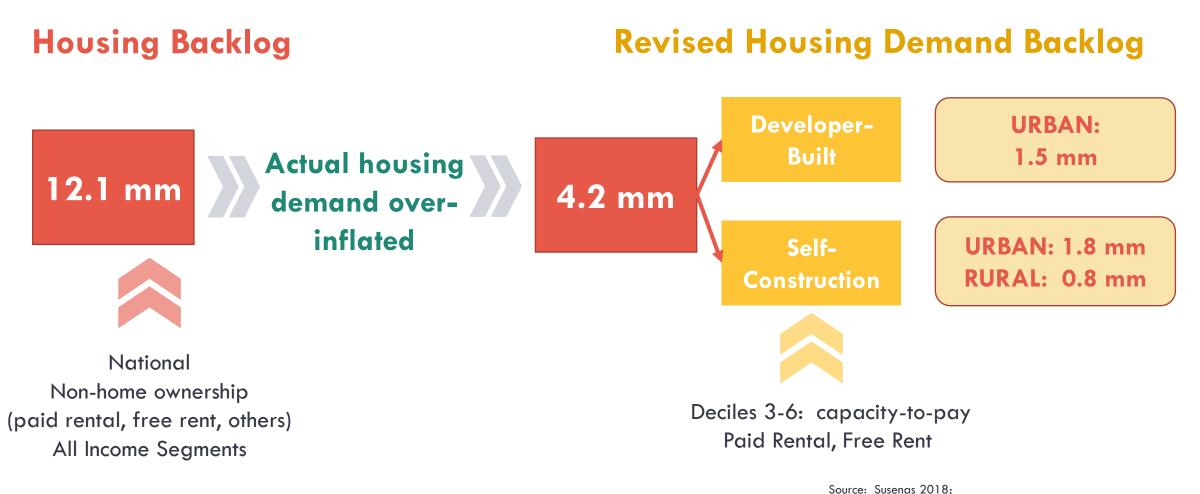
This target **inflated** actual housing need/demand

Could be more efficient with **better targeting**

Consumer Market Research: Huge demand for self-built housing and home upgrade



Actual housing demand for home ownership is ~35% of current Gol backlog target



NAHP Component 3 – National Housing Board Consumer Research World Bank Calculation

Housing Real Estate Information System (HREIS)

ONE HOUSING DATA : Open-source housing data management and analytics

Analysis

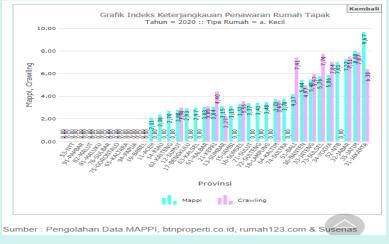


Source of Data

Ministries, NGOs, private sector, Local Governments, opensource internet

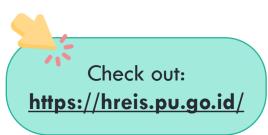


Affordability Index



Substandard housing

- One million housing program tracking
- Housing Density per 1000 inhabitant
- Housing Queue

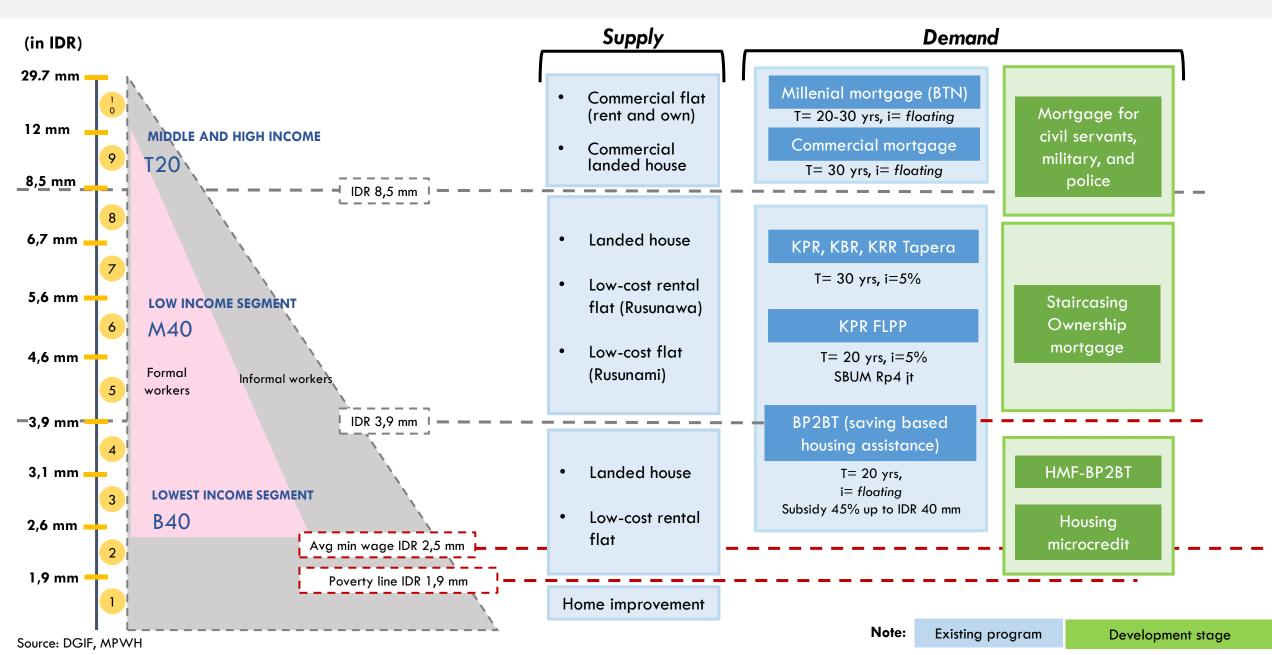




Key to success

- Data transparency from stakeholders
- Continuity of data
 management

HREIS Drives Government Housing Program Development



Annex

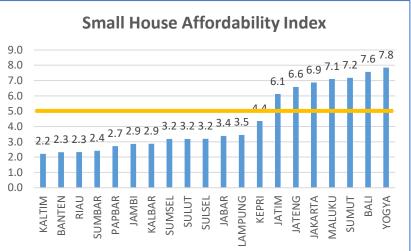
HREIS FINAL DELIVERABLES AFFORDABILITY INDEX

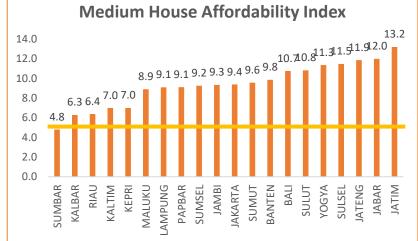
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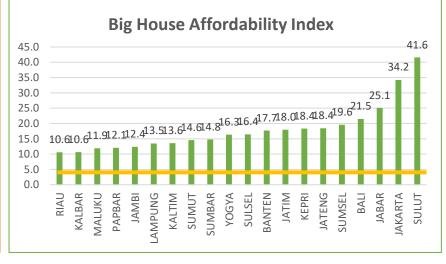
____ Affordability threshold

Value >5 is very unaffordable Value <3 is affordable

HREIS provide affordability index data for small, medium, and big houses







Affordability index for small houses still acceptable.

Need more attention for some provinces that are unaffordable to ensure small housing is accessible for low-middle income.

Affordability index for medium and large houses are problematic.

Commercial housing market still needs to be managed through:

- Match housing demand and supply
- **Different financing scheme** to allow more people accessing mortgage
 - Regulation on speculation and vacant house