

Departemen Teknik Geodesi UGM

UNIVERSITAS GADJAH MADA



- Hirarki SDI
- Aplikasi Geoportal pada Proses-Bisnis IIG
- Penjelasan Tugas Akhir

LOCALLY ROOTED, GLOBALLY RESPECTED

Global SDI

Regional SDI

National SDI

State SDI

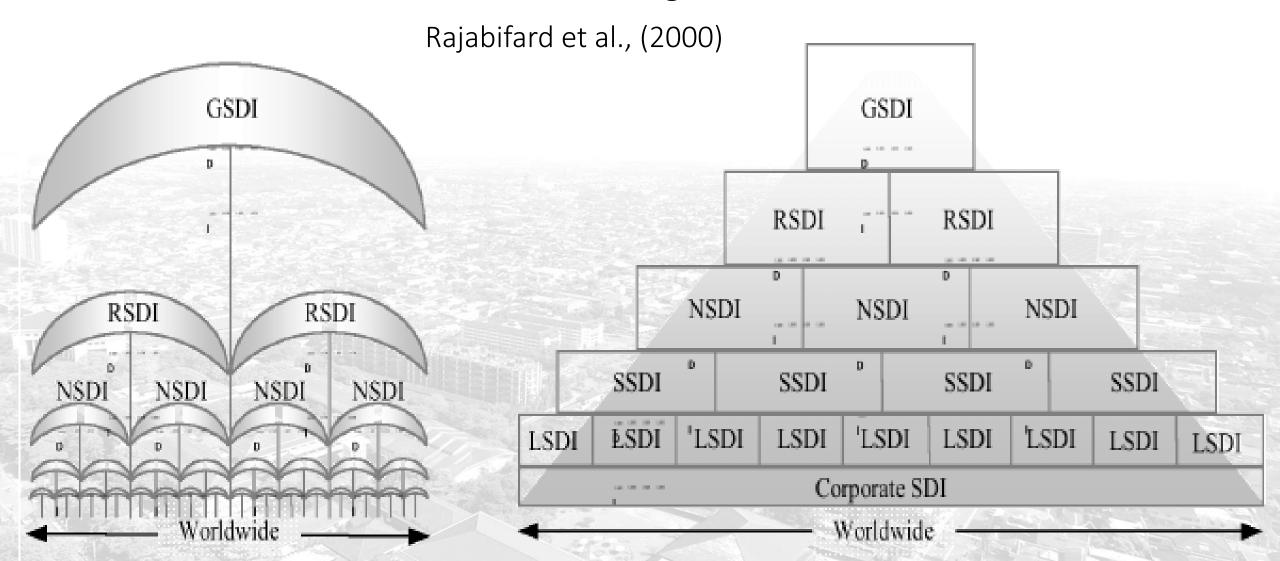
Local SDI

Corporate SDI

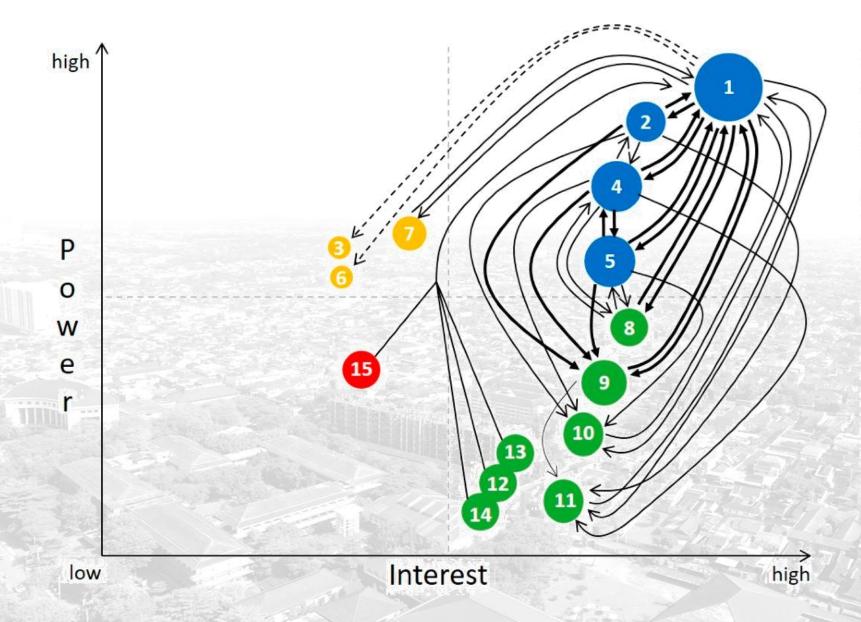
Level Infrastruktur Data Spasial menurut

Rajabifard et al., (2000)

Umbrella View vs Building Block View

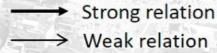


	Global SDI	Regional SDI	National SDI	State SDI	Local SDI	
Institutional	Custodianship, Data	Custodianship, Data	Custodianship, Data	Custodianship,	Custodianship, Data	
Framework	access, Sponsorship,	access, Sponsorship,	access, Sponsorship,	Data access,	access,	
	Leadership,	Leadership, Education &	Leadership,	Sponsorship,	Sponsorship,	
	Education &	Training,	Education &	Leadership,	Leadership,	
	Training,		Training,	Education &	Education &	
	GLI I G	B : 16 1:	N	Training,	Training,	Cakunan
Fundamental	Global Control	Regional Geodetic	National Geodetic	National & State	National & Local	Cakupan
Datasets	Network, Elevation, Administrative boundaries, Transportation, Main	Control Network, Elevation, Administrative boundaries, Transportation,	Control Networks, Topographic features, Land use & Land covers, Natural	Control Networks, Topographic features, Cadastral map, Natural	Control Networks, Topographic features, Cadastral map, Natural	berbeda
	Hydrologic features, Main Population	Hydrologic features, Population places,	hazards, Position of national projects,	hazards, Position of national & state	hazards, Position of national & local	
	places, Main Geographic names, Natural hazards,	Geographic names, Land use & land covers, Natural hazards, position	Cadastral,	projects,	projects,	Perbedaan
	Tratural nazards,	of regional projects,				implementasi
Scale	Small (less detailed data)	~Small-Medium	~Medium-Small	~Large-Medium	Large (more detailed data)	IIG
Technical Standards	International Standards (ISO/TC211)	International (ISO/TC211) or Regional Standards	International (ISO/TC211) or National Standards	National Standards	National Standards	
Access Network	Global directory system, Technology framework (WWW)	Regional Directory system, Technology framework (distributed databases)	National Directory system, Technology framework (distributed databases, WAN)	State Directory system, Technology framework (distributed databases, WAN)	Local Directory system, Technology framework (distributed databases, WAN)	(Rajabifard, et.al.2000)

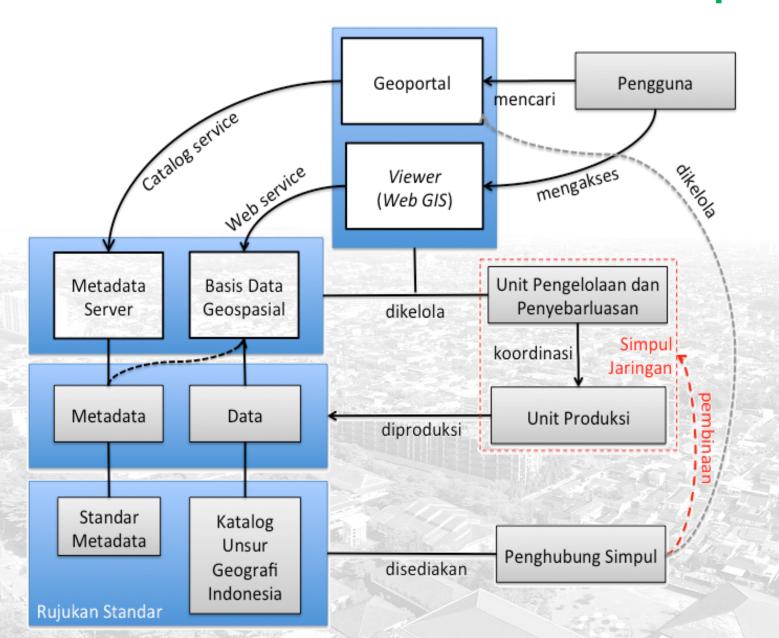


Aktor-aktor pada IIG di Indonesia (Dwi Putra et al., 2019)

- BIG
- 2. Central Government Agencies
- State Institutions
- 4. Provincial Government
- Municipality/District Government
- National Police
- National Armed Forces
- . PPIDS
- Survey and Mapping Companies
- Geospatial Application Developers
- 11. GIS Software Providers
- 12. NGOs/NPOs
- 13. Lecturers/Researchers
- 14. Students
- 15. Citizens



Unconnected

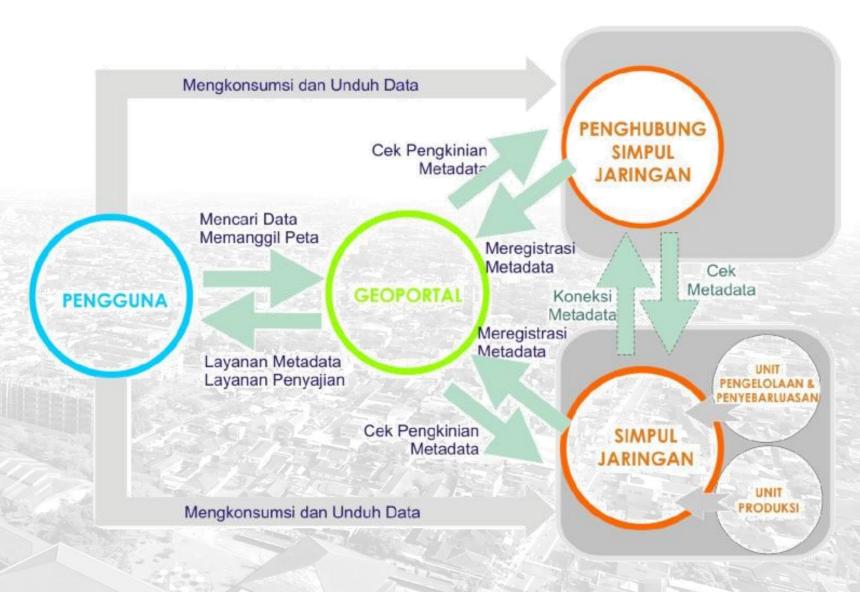


Proses Bisnis Jaring
Informasi Geospasial
Nasional Indonesia

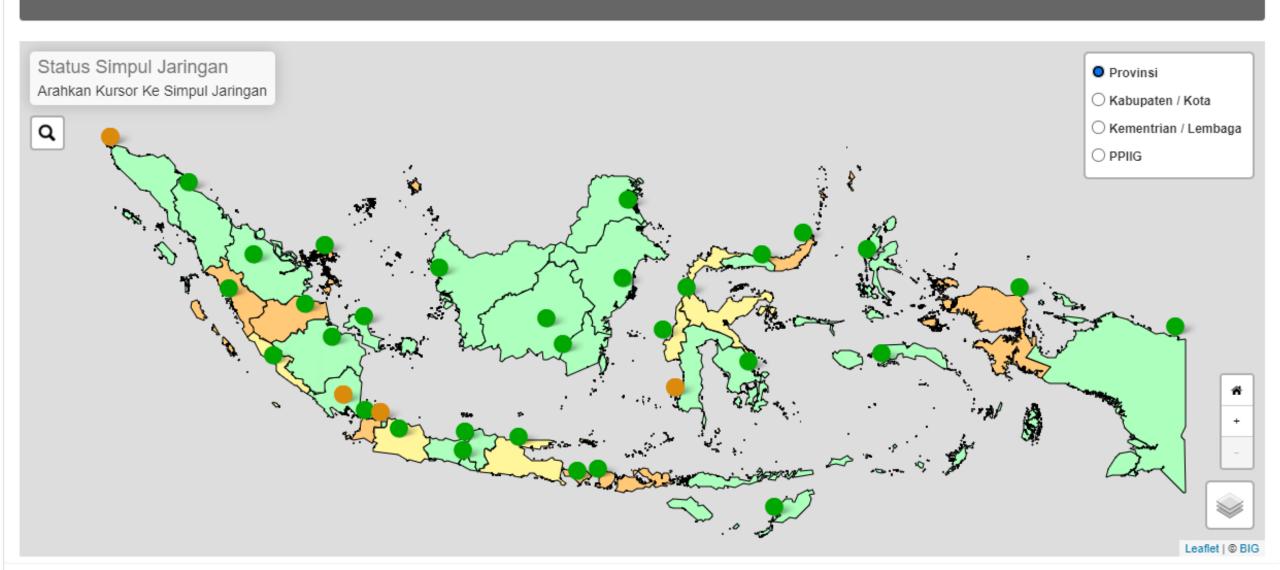
Dari simpul jaringan sampai geoportal nasional saling terhubung melalui layanan (service) data dan Informasi geospasial

Peran Geoportal dalam Jaringan Informasi Geospasial Nasional:

Pintu masuk utama (single point of access) untuk data spasial di Indonesia



PETA STATUS SIMPUL JARINGAN NASIONAL (Tahun 2019)



Aplikasi untuk Infrastruktur Informasi Geospasial

Bagaimana peranan masing-masing aplikasi dalam Proses Bisnis IIG?

Spatial Data Server Only

Full-Fledge Geoportal

Map Viewer Only



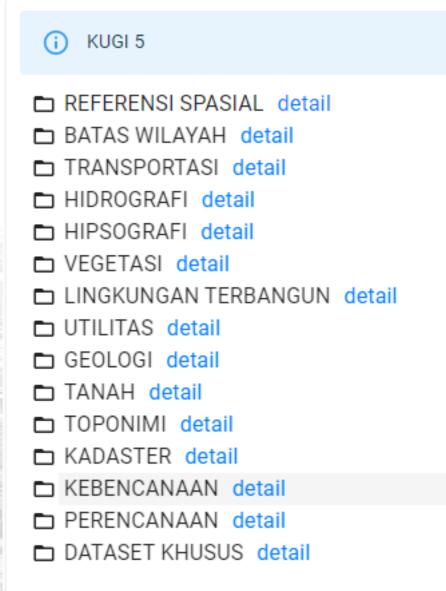






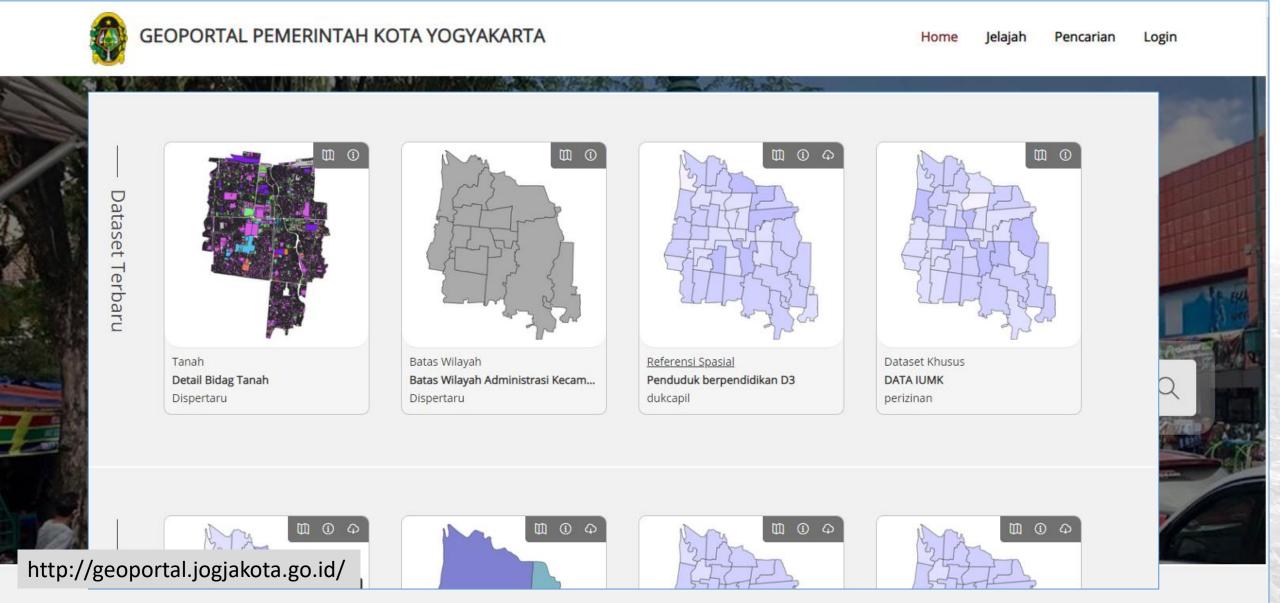


Skema KUGI pada Geoportal

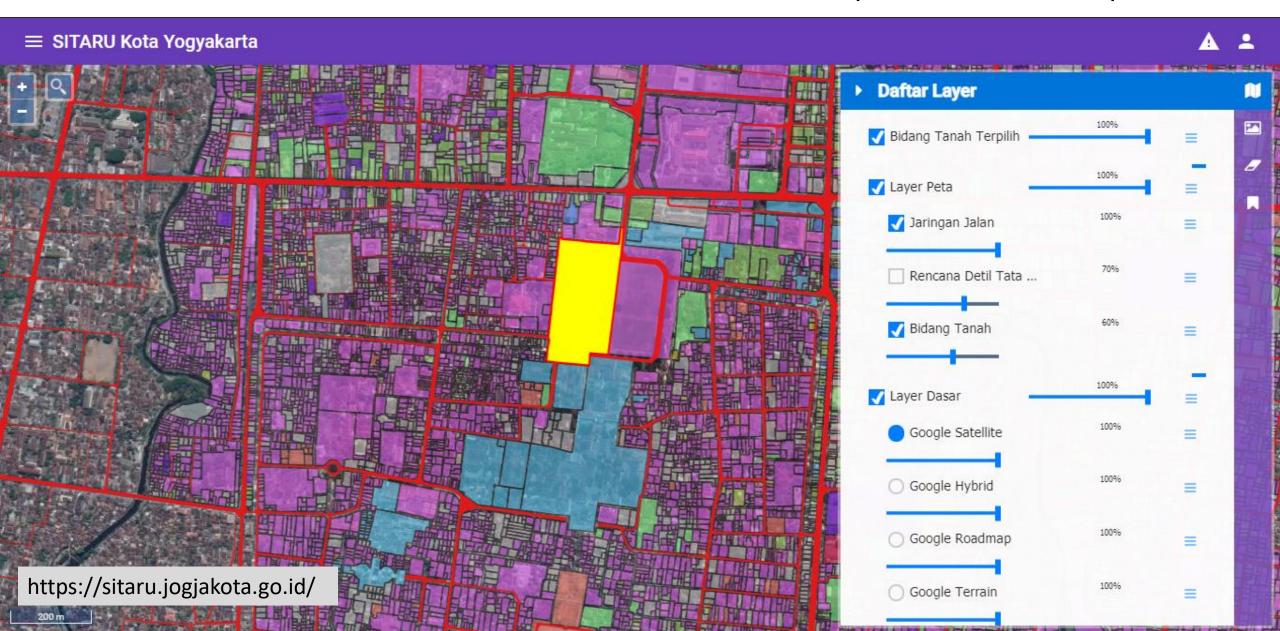




Geoportal Kabupaten/Kota



Aplikasi WebGIS Kabupaten/Kota



Geoportal Propinsi



Apps

Data 🗸

Maps

About >

Web GIS/ Geoportal ∨



Sign in

Upload Layers

01v

+

Explore Layers

Selected Layers

Add layers through the "checkboxes".

Create a Map

Filters

Clear



Search



> KEYWORDS

http://geoportal.jogjaprov.go.id/

84 Layers found



Katherja Purwereya

PLANNING CADASTRE

Pola Ruang RDTR Kota Yogyakarta

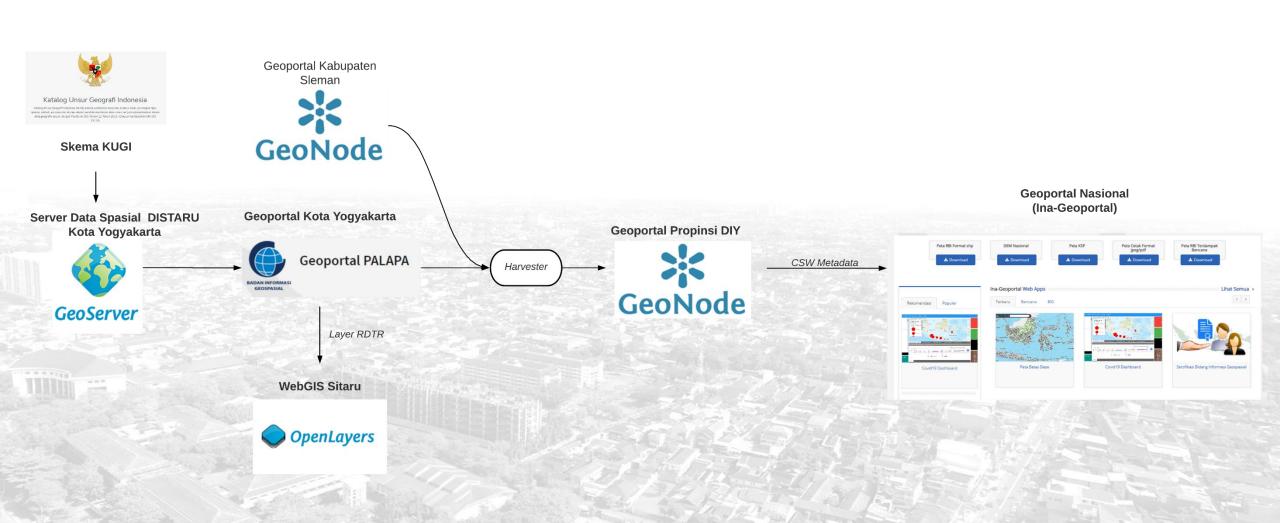






Dala Duana Kabunatan Kulan Daga

Contoh Proses-Bisnis Geoportal





TERIMA KASIH

LOCALLY ROOTED, GLOBALLY RESPECTED

UGM.AC.ID