INTEGRATING GEOSPATIAL INFORMATION and STATISTICS on COVID-19

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Geospatial Information for COVID-19 Response

“Geospatial information is very important to support the decision making during this pandemic.
Geospatial Information Dashboard

Daily updated, can be accessed through:
covid19.big.go.id
The importance of One Map and One Data Policy allows integrated data sharing for COVID-19 response.
Integrated Geospatial-Statistical Data Utilization in Spatial Analyses for COVID-19 Response

Spatial and Statistics Data Used for Analyses

- **Confirmed Cases**: Number of cases compiled from Local Government (Statistical data)
- **Business Area (Point of Interest)**: Integrated from Authorized Indonesian Basemap (Geospatial data)
- **Transportation Hub**: Integrated from Authorized Indonesian Basemap (Geospatial data)
- **Population Density**: Compiled from InaRISK BNPB portal, verified with population statistics data. (Geospatial data)
- **Vulnerable Communities**: Compiled from InaRISK BNPB portal, verified with population statistics data. (Geospatial data)
- **Health Facilities**: Compiled from Ministry of Health and BNPB (Geospatial and statistical data)
Spatial Analyses for COVID-19 Response using Geospatial and Statistical data Integration

- Clustering Hotspot Analysis (Jakarta case)
- Prevalence Rate Estimation (Jakarta case)
- Standard Deviational Ellipse Model (Jakarta case)
- Clustering Hotspot Analysis (Minahasa case)
- Prevalence Rate Estimation (Minahasa case)

Some of our best practices in utilizing geospatial and statistics data to make further analyses
Risk area of COVID-19 pandemic that analysed by integrating hazard vulnerability and capacity maps.
Integrated Geospatial and Statistical Data Analyses
Supporting Decision Making for Vaccination Planning

Vaccination Priority

1. Health Workers
2. Vulnerable Communities
3. High Risk Workers
4. Government Official
Remarks

• Integrated Geospatial and Statistical Data facilitates better decision making for COVID-19 response.

• Collaboration amongst Ministries, Agencies, and stakeholders strengthen data sharing necessary for COVID-19 response.

• Further, geospatial-statistical data analyses required to expand COVID-19 response nationally.
Thank You :)

[Image with coronavirus icons and a gray background]