

GEOGRAPHIC INFORMATION SYSTEM
DINA LUTHFIANA SUKMAWATI

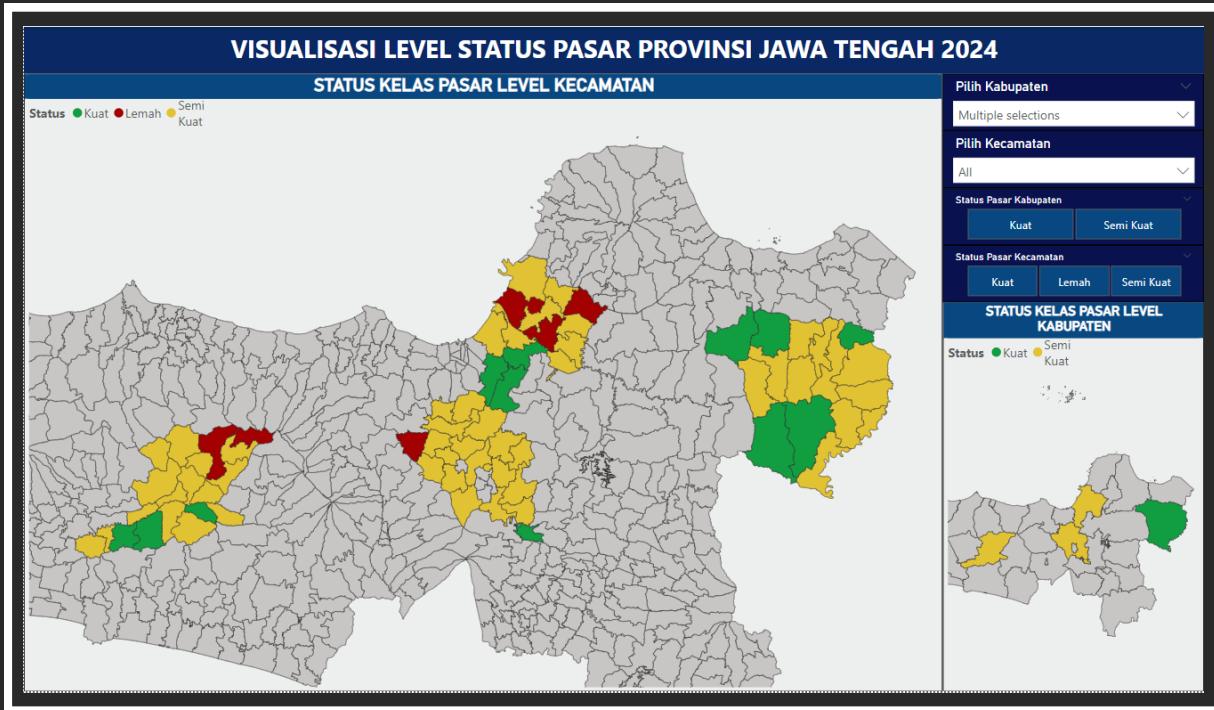
PORTFOLIO
2023 - 2024



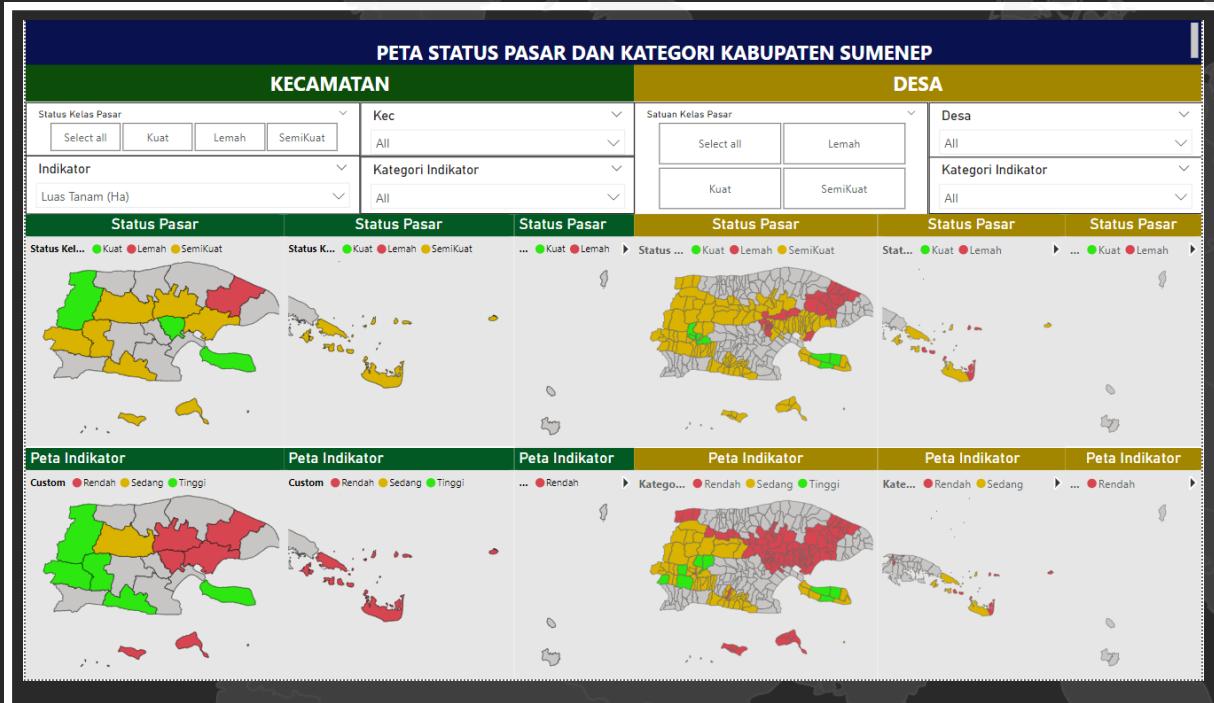
GIS X PowerBI

Central Java

Integrating PowerBI with GIS presents a fascinating opportunity, as exemplified in the creation of Smart Subsidy maps utilized by DISTANBUN Jateng and Dinas Sumenep- East Java. Crafting these Smart Subsidy maps proves invaluable for agricultural departments across districts in Central Java, providing insights into the status of hybrid corn markets and aiding in pinpointing areas deserving of seed assistance.



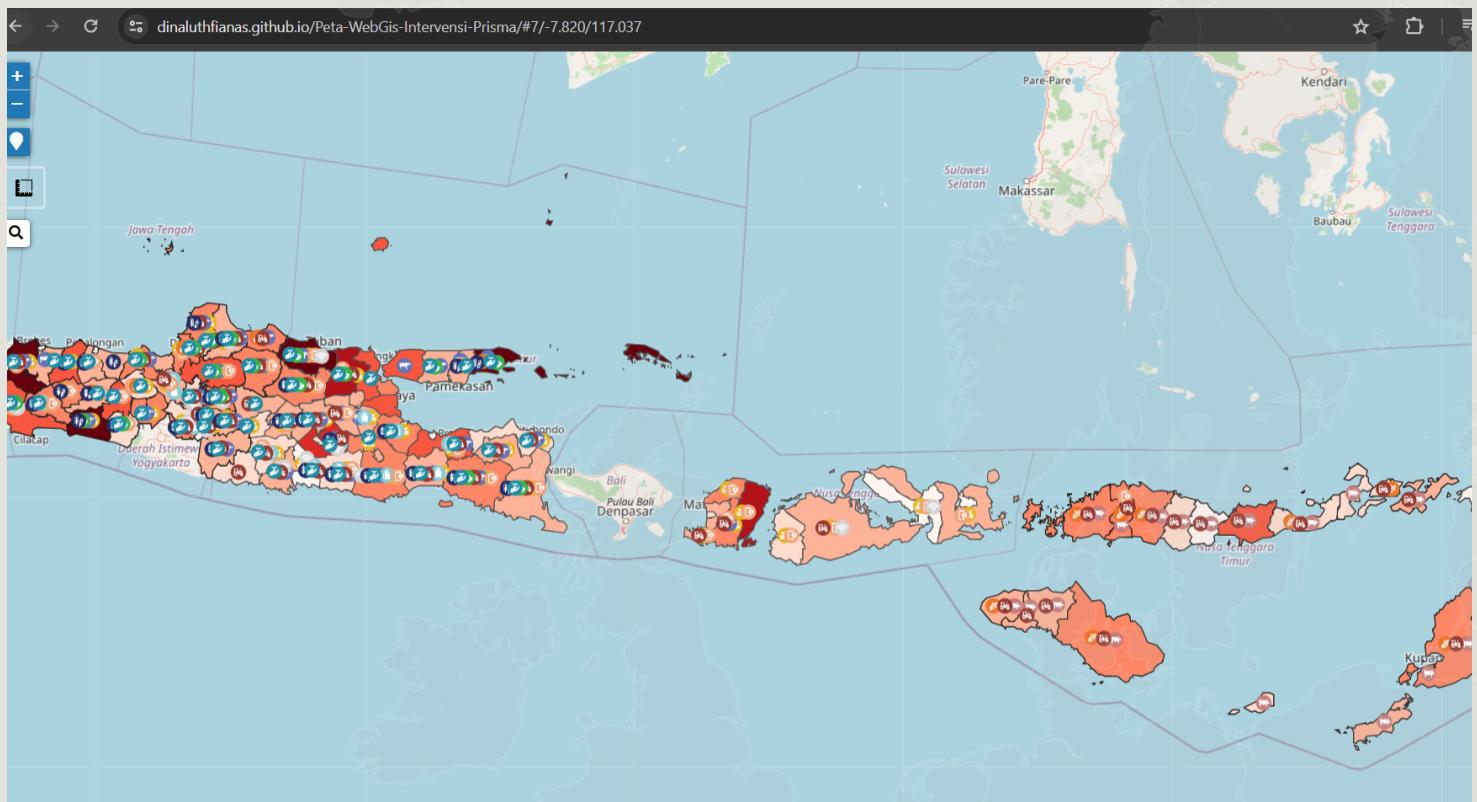
Sumenep - East Java



Harnessing this synergy of data visualization and spatial analysis not only enhances decision-making but also empowers targeted interventions for sustainable agricultural development.

WebGIS

WebGIS maps offer intuitive data visualization, enhancing comprehension and facilitating effective communication of findings. Collaboration and sharing are streamlined, allowing multiple stakeholders to access and contribute to geographic information, fostering teamwork and informed decision-making. These maps also play a crucial role in monitoring and managing activity over time, enabling the implementation of tailored management strategies.

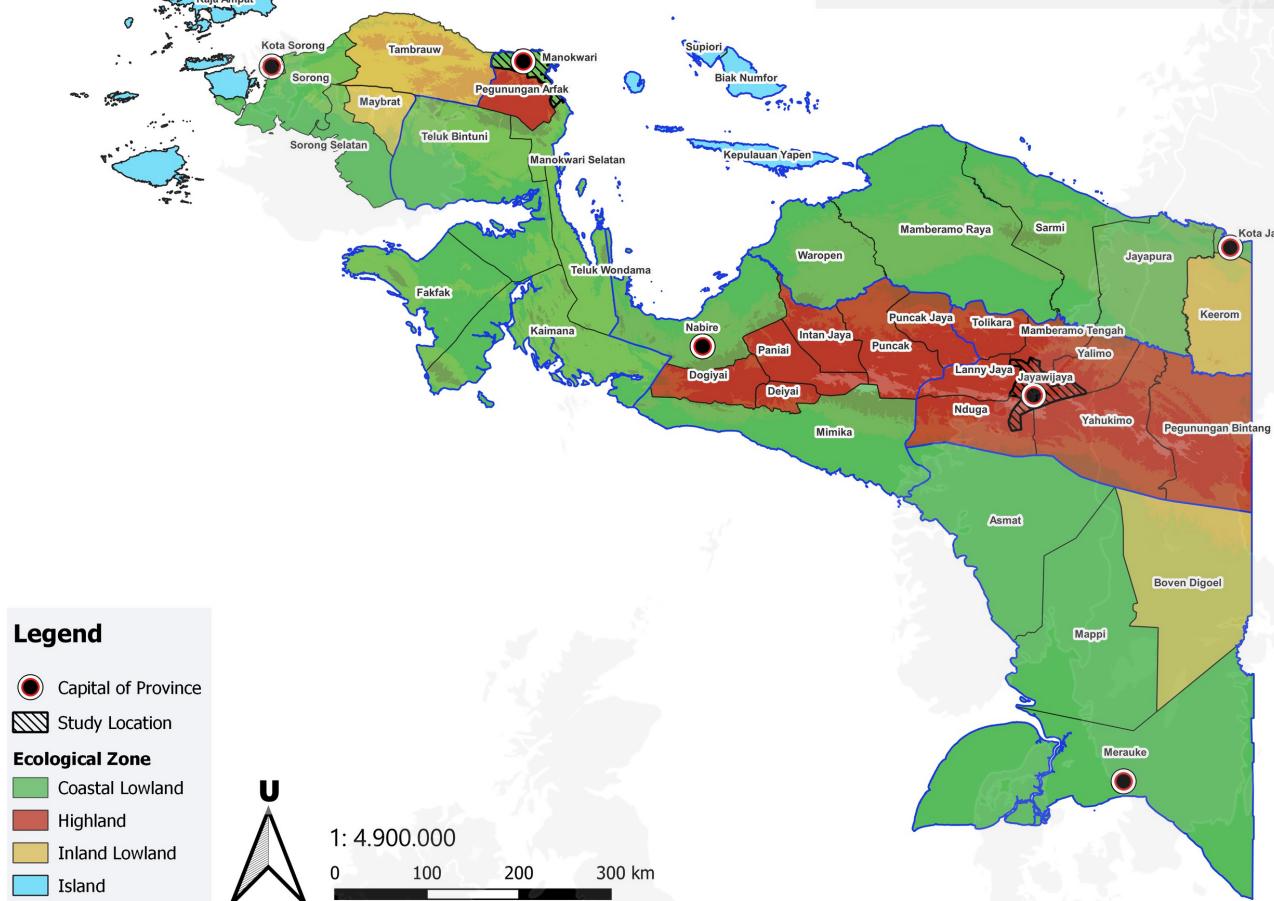


This map integrates overlapping sector data with poverty data within the boundaries of districts and municipalities in the PRISMA intervention areas. It serves as a valuable tool to assist stakeholders in making informed decisions and planning for the future, with a focus on providing greater support to impoverished farmers across Indonesia. By consolidating these datasets, stakeholders gain insights that enable them to develop targeted interventions and initiatives, effectively addressing the needs of vulnerable agricultural communities. This initiative not only enhances decision-making processes but also promotes more inclusive and impactful development strategies aimed at uplifting the livelihoods of marginalized farmers.

Ecological Map

PAPUA ISLAND

PRISMA
ECOLOGICAL MAP OF TANAH PAPUA



This map combines DEM (Digital Elevation Model) data of Papua Island with administrative boundaries, providing comprehensive information (Ecological Zone and farmers' segmentation study area). The data is classified based on elevation, with the range of 0 to 100 meters identified as lowlands, 100 to 1000 meters as hills, and above 1000 meters as mountains. This map offers in-depth understanding and plays a crucial role in natural resource management, environmental conservation, and sustainable development planning, particularly in the agricultural sector.