

## **Abstract**

Sector Police Criminal Investigation Unit Dayeuhkolot is a unit in the Dayeuhkolot Sector Police which handles crimes that occurred in 6 villages scattered in the district Dayeuhkolot, such as Cangkuang Kulon Village, Cangkuang Wetan Village, Pasawahan Village, Sukapura Village, Citereup Village, and Dayeuhkolot Village. Sector Police Criminal Investigation Unit Dayeuhkolot as a means where a police report made from the community.

GIS is a system consisting of spatial data textual or graphical data that aims to present geographic information including the objects that exist on the surface and under the earth, which is presented in accordance with user needs.

Based on the picture above, then built a Crime Rate Map Application Dayeuhkolot Sector Police using MapInfo. In this case, the system making related to the Management Information System Reports Criminal Investigation Unit that handles input in the form of a police report which will be used for conversion into a map of the Web Map Service (WMS) that implemented in GIS applications are built.

The resulting system will be used by the Dayeuhkolot Sector Police as a tool to determine the highest acts of criminality of a region, so that adds information to the police members who will perform shift duty post.

The system is built with using MapInfo Professional 8.5 SCP as a spatial database editor, Mapserver as a service for displaying spatial data from MapInfo and user interface settings.

Keywords : mapping, maps