ABSTRACT

As a capital city, Bandung is not only a center of government, but also bussines center. The increase of bandung citizen activity growth causes their high mobility and impact to road usage. Unequal road capacity and traffic volume increase causing a stagnancy. One of it is on street parking spot which affect to less road space can be used. These spot spread around the city.

One of the obstacles of on street parking management is no system to manage and locate on street parking spot yet. For supporting data management and on street parking location visualization in Bandung, need for a system which able to processing data and has a visualization of city's on street parking area, that is Geographic Information System (GIS) for Bandung on street parking lot. the development of GIS using iterative and incremental methods and webiste-based system. Framework used on GIS on street parking lot is CodeIgniter Framework, so that ease to advance development.

Result of GIS on street parking lot development helps City Government and Parking Area Stakeholders to manage on street parking lot. An update, addition and storage of on street parking lot data could support them in particular policy-making.

Keyword: Geographic Information System, GIS, on the street, roadside, CodeIgniter