ABSTRACT

The number of visitors is the main factor that causes the density of vehicles in Bandung. This density is not accompanied by the increasing of public facilities for the community, for example, the parking space. The limited parking space led to the use of part of the road as a solution to park vehicles or better known as street parking.

On street parking can be the right solution for a particular area and can be an improper solution for the other area. On street parking can be implemented if the condition of the road is available to accommodate parked cars and passing cars. If not available, it will cause inconvenience to other drivers.

To support the management of on-street parking is required a system that is capable of managing data and knowledge related to the parking area, the parking Knowledge Management System (KMS).The perancangan of the KMS is using waterfall method based on web technology using CodeIgniter framework to provide ease of development.

 The results of this study in the form of KMS that has the functionality to support the management of on-street parking. The functions contained in the parkingKMS, such as parking class data management and management of parking fees will provide support in the form of knowledge about the class of a parking locations for each of the stakeholders in making policy regarding on-street parking.

Keywords: Bandung, on street parking, knowledge, iterative, waterfall managemen system, stakeholder.