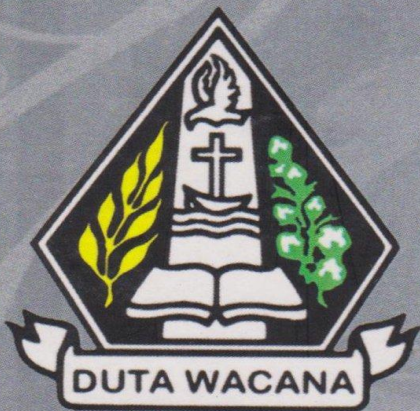


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Universitas Kristen Duta Wacana
Jl. Dr. Wahidin Sudirohusodo 5 - 25
Yogyakarta 55224
Telp. 0274 - 563929 ext. 322
URL : <http://knastik.ukdw.ac.id>
E-mail : info@knastik.ukdw.ac.id

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SISTEM INFORMASI GEOGRAFIS (Geographic Informational System) A Local Road Mapping and Second Collector in South Jakarta Using OpenGeo Suite and PostgreSQL

Andi Chairunnas⁽¹⁾
andi.chairunnas@yahoo.com

Daud Yusuf⁽²⁾
daud@ung.ac.id

Abstract

Jakarta is Indonesian's capital city which is the central of the most activity and economical activity for the people from all around Indonesia. The High mobility of road user is one of the things that become a problem in Jakarta. A road is a primary aspect for a good traffic. The road itself is depend on how good or how bad the condition itself, such as the construction, aging and a weight of the vehicle and There is a possibility of the quality of road is going to change depend on the situation.

A road mapping is needed to deciding, planning and to caring the road by the government to build a good traffic of people's transportation. That is why, the local road mapping is very important. The present writer is making a Sistem Informasi Geografis (Geographic informational system-SIG) which is talking about local road mapping and a second collector which is using an OpenGeo Suite with the support from framework OpenLayers. OpenGeo Suite is used for mapping digitalization process. PostgreSQL 8.2.4. Is used as a data base and Adobe Dreamweaver CS 3 is used to edit the PHP coding system. The mapping system from the layer is contains of road dimension, technique of the road, road location, road condition and road user. By the SIG local road mapping site and second collector, people is be able to know about the road mapping easily and it also be able to be the key for a planning and caring of the road in the south Jakarta.

Keywords: opengeo suite, postgresql, mapping, road, sistem informasi geografis.

1. Pendahuluan

Jalan merupakan salah satu sarana yang sangat vital bagi kelancaran transportasi. Baik atau tidaknya jalan untuk dilalui pengguna bergantung pada kondisinya. Faktor-faktor yang mempengaruhi umum pakai dan daya beban suatu jalan yaitu konstruksi, umur jalan, dan tonase kendaraan yang melewatinya dan juag faktor lainnya. Faktor-faktor itu akan berpotensi mengubah umur pakai dan daya beban jalan,

Informasi-informasi tentang jalan diperlukan untuk menentukan, merencanakan perawatan jalan, yang sesuai dengan kemajuan teknologi informasi. Hal ini penting karena akan bermanfaat secara luas untuk memberdayakan kemampuan teknologi tersebut berikut perangkat pendukungnya dalam menghimpun data-data jalan.

¹ Dosen, Program Studi Ilmu Komputer, FMIPA, Universitas Pakuan, Bogor

² Dosen, Program Studi Fisika, FMIPA Universitas Negeri Gorontalo, Gorontalo