

## **Geographic Information System (GIS) Penyebaran Penyakit Demam Berdarah Dangué (DBD) Di Kabupaten Semarang**

**GILANG ADITYA PRIYANTOMO**

*Program Studi Teknik Informatika - S1, Fakultas Ilmu Komputer, Universitas Dian Nuswantoro Semarang*

*URL : <http://dinus.ac.id/>*

*Email : 111201005485@mhs.dinus.ac.id*

### **ABSTRAK**

Dinas Kesehatan Kabupaten Semarang selama ini hanya mendata jumlah kasus penderita demam berdarah belum memiliki sistem informasi penyebaran penyakit demam berdarah. Sehingga ingin membuat Geographic Information System (GIS) Penyebaran Penyakit Demam Berdarah Dangué (DBD) berbasis WEB Di Kabupaten SEMARANG dalam pembuatan menggunakan metode waterfall yang tahapannya meliputi tahap requirement definition, tahap sistem and software design, tahap implementation unit testing dan tahap intergration and sistem testing, tahap operational and maintenece. Alat bantu perancangan sistem UML meliputi. Use case diagram, sequence diagram, activity diagram.

Kata Kunci : Geographic information system, Penyakit Demam Berdarah, Waterfall, UML, PHP

## **Geographic Information System (GIS) Of Dengue Fever Disease Spread At Semarang**

**GILANG ADITYA PRIYANTOMO**

*Program Studi Teknik Informatika - S1, Fakultas Ilmu  
Komputer, Universitas Dian Nuswantoro Semarang*

*URL : <http://dinus.ac.id/>*

*Email : 111201005485@mhs.dinus.ac.id*

### **ABSTRACT**

District health department semarang during this only listing the number of cases of dengue fever sufferers do not have information system disease spread of dengue fever. So that want to make geographic information system (gis) the spread of disease dengue fever dangue (dbd) web-based in semarang district in making using methods waterfall that levels covering requirement definition phase, stage and software system design, stage unit testing implementation and phase intergration and the system of testing, operational phase and maintenence. Drafting instrument bantu system covering. uml Use case diagrams, sequence diagram, diagram. activity

Keyword : Geographic information system , dengue fever , waterfall , uml , php