

Model kota 3 dimensi kawasan Simpang Lima untuk eksplorasi kota secara virtual

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20406612&lokasi=lokal>

Abstrak

Geographic Information Systems (GIS), with its capability in integrating spatial and attribute data, becomes important means in visualisation and analysis built environment. Good visualization capability of GIS has made this technology an important communication tool. In this research, a 3D City Block Model of Simpang Lima Area has been made. This research make us of digital topographic map of Semarang, scale 1:5000 which cover Simpang Lima and its surrounding. Digital terrain model of the area was made by interpolate contour lines and spot hights. ArcView 3.2a with 3D analyst extension was used to construct buildings block model. Result from 3D Analyst when then exported into VRML format (Virtual Reality Modeling Language). Buildings block model in VRML format could be viewed using Internet Explorer ver. 5.0 or later, if it is equipped with Cosmo Player plug in. A 3D City Block Model of Simpang Lima Area, has been obtained. Users can be obtain information about characteristic of each building in the study area. Users can simulate if a new building have been built and see the effect to the visibility to its surrounding. Use of VRML format has advantages that users who do not have GIS software can still explore the virtual 3D city model interactively; even they can define their own direction of 'virtual walking'.