Abstract

Requirement of 3D land information at this time is very important along with the growth of the construction of horizontal development in the direction of the vertical development. One of the 3D cadaster information that needs to be developed is about Flats. In this study, Flats were used as a case study is Penjaringan Sari Flats managed by Surabaya City Government.

To generate a 3D cadastral information of Penjaringan Sari Surabaya Flats required a data of building plan along with data occupants of Penjaringan Sari Surabaya Flats. These data are used to create 3D data base. 3D data base created using PostgreSQL + PostGIS software and then integrated with information system so it can produce a prototype visualization of information system 3D cadaster based on web.

This study resulted in a product prototypes form of web 3D cadastral information that can accommodate registration of the lease of Penjaringan Sari Flats with dynamic models so that existing data can be update when the data changes. From this study is expected to be considered to apply information system 3D cadaster in Indonesia by online.

Keywords: 3D Cadaster, 3D Database, Information Systems, Web
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