

ABSTRACT

Fundamental duties of BPN (Badan Pertanahan Nasional) Probolinggo town are publishing certificate, handling agraria transactions cover mutation of rights and transaction of sales. The BPN by self a lot of there are transaction that happened among party BPN with society to conduct assorted of transactions. Among the transactions is certificate of land, or registration of rights of land, and Assorted data about land, here oblige BPN to serve all demand from the society better and quickly. System not yet which can assist to conduct process of certificate of land often generate assorted of constraints in society even in BPN by self, such as double certificates, illegal certificates of land, wide change of land area, dark land and others. Later be added again the map which used by spasial data not yet integrated with its attribute data and most still in the form of registration map in form of physical. In abstract in above problem result difficult head BPN to conduct certificate monitoring which have been published and growth of land certificates.

In effort overcome the problem, hence in this final project will be made a device of system application of geographical information management of land certification by using digital map land registration by single system. By using this application hence each management of land certificates earn conducted regular and quicker. Beside that will facilitate in conducting monitoring of growth of certificates of land that happened.

The System application of Geographical information management of this certificates of land builded to use analysis and desain structure with modeled waterfall. Its implementation used by programming language of Visual Basic6 to integrate with software mapping namely MapX 4.0 and Mapinfo Professional 7.5. The database system use Ms. Access 2003 .

Keyword : BPN of Probolinggo Town, Certificates, Digital Map Registration by single system, and SIG (Information System of Geografi)