

A Spatial Digital Document to Improve the Process of Land Administration Application

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SUMMARY

Rapid change in technology especially in mobile is affecting almost every aspect in our life. Land surveying activity and spatial document are also touched by mobile technology. Every country has a different way to create the spatial document in land surveying, but Indonesia is still using a manual documentation, therefore the process to create the document becomes very complicated and takes a long time. Normally it takes 3 days to create a spatial document in Indonesia. But if we have a technology to digitize spatial document so that the process will become easier and faster. In 2018, land surveyor in Indonesia already used an mobile application to collect data, the mobile app called smartPTSL. The application is an android based application which has several useful features that helps surveyor in the field. smartPTSL also has spatial digital document feature to process land administration, but there is no rule to run this process.

The common way to create spatial document begins with sketching a parcel of land, processing the data in land software, checking the result (quality control), and then approving the data by the government authorities/ National Land Agency and all of this process are done manually with paper based. This paper offers a solution by digitizing spatial document business process through smartPTSL. It makes the land administration become more effective and efficient because of paperless process, accurate result, and can be done in the short period of time.

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