

Fit for Purpose Land Administration (FFP-LA) Implementation to Accelerate Land Mapping in Sayang Village, Sumedang Regency, Indonesia

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SUMMARY

The Indonesian government is targeting land registration to be completed by 2025 but land parcels that have been registered at the end of 2016 have only reached 46 million parcels of a total of 126 million land parcels in Indonesia. Nowadays, Indonesia hold a Complete Systematic Land Registration (PTSL) program to fulfill the target, but the methods used are still various. Terrestrial methods using measuring tape and theodolite are still commonly used in the program. Therefore, an approach method is needed to accelerate the land registration process in Indonesia. The the Fit-for-purpose Land Administration (FFP-LA) concept is capable to fulfill the needs of land registration in Indonesia. Fit-for-purpose Land Administration (FFP-LA) can provide a basis building system for land use planning and control. The concept of FFP can be a solution in resolving land issues and apply global standards in the field of land that are aligned with country-specific, affordable and flexible needs. The FFP approach based on high resolution satellite imagery and/or aerial image are the right choice for mapping boundaries. This research offer methodology can be applied to solve this issues. Land parcels mapping was carried out using the FFP-LA approach through a boundary delineation process by utilizing the interpretation of the land parcels in 1:1000 scale of orthophoto maps. Area of digitized land parcels would be compared to the exact land parcels to produce the area difference. This method produces 80% of the land area that fulfill the tolerance by Indonesia Land Agency (BPN)

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