

# Integrated Parcel Boundary Survey and Mapping to Accelerate Complete Systematic Land Registration (PTSL) in Kudus Regency Land Office

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## SUMMARY

Indonesia has around 126 million land parcels and its national land registration has been carried out since 1960. To present, The Ministry of Agrarian Affairs and Spatial Planning (ATR/BPN) has successfully registered 83.8 out of 126 million land parcels (66.5%). The number will increase every year with the massive systematic land registration (PTSL) and it is expected that all land parcels have been registered by 2025. The obstacles in implementing PTSL are mapped sporadically instead of regularly, there are gaps and overlaps of existing certified lots land parcels that have not been mapped (K4). According to the technical guidance of Complete Systematic Land Registration (PTSL) 2023 Number 3-HK.02 /III/2023 the step for integrated parcel boundary survey and mapping is get an aerial photo image of a village with the accuracy that has been defined, the boundaries survey method is focused on using aerial photo image, so people identify their boundaries on aerial image photo or using surveying if it is not visible, collect the information of land parcels owners and land use, land utilization, verify the spatial data of people and announce land parcels map, quality control physical data and preparation complete map of village. In 2023, the Ministry of ATR/BPN targets measuring and mapping 3 million Ha and the Kudus Regency Land Office has a target of 1975 Ha spread across 10 villages/sub-districts. In order to accelerate the progress of integrated parcel boundary survey and mapping, the Kudus Regency Land Office conducts a land data census by plotting at the location and going door to door using photo maps, with accompanied by physical data collection society (MASDASIK) and participation of village/subdistrict residents . The obstacle is that there is still K4 data that cannot be mapped, the steps that can be taken are to make an official report and a list of K4.2 and it is necessary to prepare a regulatory survey and mapping of K4 data to be announced over a certain period of time and followed up with the elimination of Parcel Identification Number (NIB) and Measurement Letter. The next obstacle is that there are differences in registered land parcels data in the land office and community, the steps taken by parcels which are the result of structuring and improvements shall be

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revised in the Land Book (Land Book), Measurement Letter (SU) and certificate if the right holder applies during PTSL implementation or during land registration data maintenance services. Integrated boundaries parcel survey and mapping activities will improve the quality of data registered and unregistered parcels, assisting in acceleration of PTSL progress and realization of complete city/ regency maps in Indonesia.

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