

## Track and Trace Solution on Land Certificate Production: Indonesian Land Certificate

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**Abstract :** This article focuses on the implementation of the production improvement process of the Indonesian land certificate product that printed in Perum Peruri as the state-owned enterprises. Based on the data obtained, there are several complaints from customers of the 2019 land certificate production. The complaints become a negative value to loyal customers of Perum Peruri. Almost all the complaints are referring to 'defective printouts and the difference between products in packaging and packaging labels both in terms of type and quantity'. To overcome this problem, we intend to make an improvement to the production process that focuses on complaints 'there is a difference between products in packaging with packaging labels'. Improvements in the land certificate production process are relying on the technology of the scales and QR code on the packaging label. In addition, using the QR code on the packaging label will facilitate the process of tracking product data. With this method, we hope to reduce the error rate between products in packaging with the packaging label both in terms of quantity, type, and product number on the land certificate and error rate of sending land certificates, which will be sent to many places to 0%. With this solution, we also hope to get precise data and real-time reports on the production of land certificates in the near future, so track and trace implementation can be done as the solution of the land certificate production.

**Keywords :** land certificates, QR code, track and trace, packaging

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