

**Adoption level of farmers on certified and non-certified potato seeds
in Tosari Sub-District, Pasuruan District**

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[Objective]

Certified seed use is one of determine factor in agriculture. Therefore, certified seed availability for farmers is strongly recommended. However, only limited numbers of farmer adopt certified seed. In order to examine this problem, this research aims to find out the adoption level of farmers, the level of productivity, and income level of farmers toward certified and non-certified potato seed use in Tosari Sub-District, Pasuruan District as one of potato production center in Indonesia.

[Method]

In March 2017, a survey was conducted in four villages namely Wonokitri, Ngadiwono, Tosari and Podokoyo, where there are farmers who use certified and non-certified potato seed. They where asked about their potato production activity from seed obtainment to harvest selling. Several local agricultural officers also interviewed to have additional information as well.

[Results]

The results imply that the rate of adoption of certified seed is lower than non-certified. Furthermore, productivity of certified seed is higher than non-certified, and there is no significant difference of farmer income between certified and non-certified seed use.

[Conclusion]

Based on the results, in order to promote certified potato seed use, government both local and central should encourage farmers and other relevant stakeholders to use certified potato seed through particular policy.