

## ABSTRACT

### THE INFLUENCE OF HIGH-YIELDING VARIETIES TO THE EFFICIENCY OF TOMATO (*Lycopersicon esculantum* Mill) FARMING IN SUKAU DISTRICT OF WEST LAMPUNG REGENCY

By

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An Introduction of high-yielding variety is needed to improve the agricultural production. This research was purposed to study the influence of the high-yielding varieties to the production, profit, and efficiency of tomato farming in Sukau District of West Lampung Regency.

The research location was selected purposively in Sukau District, the center of tomato production in West Lampung Regency. Fourty eight respondents of tomato farmers were taken with simple random sampling. Data were collected from June to July 2011. The Analysis methods used to answer the purposes of this research were Cobb-Douglas production function analysis and Cobb-Douglas profit function.

The results showed that the use of high-yielding varieties could improve the production, profit, and efficiency of tomato farming in Sukau District of West Lampung Regency. In order to improve production and profit of tomato farming, the use of the high-yielding varieties seed needs to be communicated to the farmers.

Keywords: high-yielding varieties, efficiency, tomato farming

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