

**FARMERS AND IMPROVED TECHNOLOGY IN UPLAND RICE  
PRODUCTION IN JAMBI, INDONESIA**

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**ABSTRACT**

Two year field experiment to evaluate the effect of improved technology on upland rice production in Jambi, Indonesia was carried out. The experiment was conducted on acid mineral soil with the original soil pH of 4.0 - 4.1. Nutrients content of the soil was low.

The use of lime and fertilizers (improved technology) increased yield of upland rice by more than 4 times average upland rice yield obtained by farmer. Lime increased the first 10 cm layer of soil pH while the second 10 cm layer was affected after 10 months.

Proper addition of lime eliminated exchangeable Al in the first 10 cm layer. The residual effect of lime was still observed after 2 years.