

**NUTRITIONAL CONSTRAINTS OF RICE PRODUCTION ON ACID SOILS
IN INDONESIA**

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ABSTRACT

Acid soils in Indonesia play an important role in increasing rice production and in sustaining food self-sufficiency. This is due to their large acreage and having long growing season. However, several nutritional constraints often limit rice yields on some parts of acid soils in either upland or lowland condition. Phosphorus-, K-, S-, and Zn-deficiencies or Fe-toxicity could be found on lowland rice. Whereas P-, K-, Mg-, Mn- deficiencies or Al-toxicity were found on upland rice. By overcoming these constraints rice yield could increase significantly.