

***Application of Lemuru Fish Amino Acids And Edamame Root PGPR To Pod
Filling Rate***

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ABSTRACT

Edamame pod filling (Glycine max L.) is an important phase in the production of premium pods. This study aims to analyze the effect of the application of amino acids of lemuru fish and Plant Growth-Promoting Rhizobacteria (PGPR) based on edamame root, on the pod filling rate. The design used in the study was a factorial group random design (RAKF) consisting of two factors, namely amino acids and PGPR, amino acid treatment consisted of (0,5,10,15, and 20)ml/l. And the application of PGPR consists of (0, and 150)ml/l. Based on the results of the study, amino acid treatment had a significantly different effect on the observation of the total number of pods and the percentage of hollow pods. Meanwhile, the PGPR treatment showed significantly different results in the observation of the percentage of hollow pods. Interactions in PGPR treatment and different amino acids were not evident in all observed variables.

Key words: *edamame, lemuru fish , PGPR, pod filling*