

Aplikasi Pupuk Organik Cair Farmers Bio-Plus terhadap Pertumbuhan, Produksi dan Mutu Benih Beberapa Varietas Padi (*Oryza sativa* L.).
*Application of Liquid Organic Fertilizer Addition on the Growth and Production of Several Varieties of Rice Plants (*Oryza sativa* L.). Supervised: Ir. Dwi Rahmawati, S.P., M.P., IPM.*

Syaiful Umar
Study Program of Seed Production Technique
Department of Agricultural Production
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

*Rice (*Oryza sativa* L.) is one of the cultivated plants that has been recognized as a food crop and currently its production ranks third of all cereals. Every year, the Indonesian population continues to increase so that the need for rice also increases. One of the efforts that can be made to increase rice production is the use of superior varieties and the addition of liquid organic fertilizer. This study aims to determine the effect of the addition of liquid organic fertilizer on the growth and production of several varieties of rice plants. The research was conducted at the experimental field of PT Sang Hyang Seri (Persero) Kedungrejo Village, Muncar District, Banyuwangi Regency. This study used a factorial Randomized Group Design (RAK) with 2 factors. The first factor is liquid organic fertilizer consisting of Control / without the addition of POC (P0) and the addition of POC (P1). The second factor is varieties consisting of Ciherang (V1), IR 64 (V2), and Inpari 32 (V3). Data were analyzed using ANOVA (Analysis of Variance). If the results showed real or very real differences, then further tests were conducted using BNT (Least Real Difference) at the 5% or 1% level. The results showed that the interaction between the addition of liquid organic fertilizer on several varieties of rice plants gave a significantly different effect on the number of productive tillers, the number of grains per panicle, the number of filled grains per panicle, grain weight per plot, and grain weight per hectare*

Key Words : *Liquid Organic Fertilizer, Variety, Rice, Inpari 32, Ciherang, IR 64*