

**Pengaruh Pemberian Pupuk Organik Granul Terhadap  
Pertumbuhan Dan Produksi Benih Padi (*Oryza sativa* L.) Varietas Inpari 32.**  
*Effect of Granule Organic Fertilizer Application on Growth and Production of Rice  
Seed (*Oryza sativa* L.) Inpari 32 Varieties. Supervised by Dwi Rahmawati SP, MP*

**May Nuryani Sary**

***Study Program of Seed Production Technique  
Majoring of Agriculture Production  
Program Studi Teknik Produksi Benih  
Jurusan Produksi Pertanian***

***ABSTRACT***

*Rice (*Oryza sativa* L.) is the main food ingredient and strategic commodity for Indonesia. This study aims to determine the effect of organic fertilizer on rice plants varetas inpari 32. This research was conducted on the experimental land owned by PT. Sang Hyang Seri (Persero) Muncar Seed Production Unit on Jl. Raya Kedungrejo No. 4 -6 Villages, Kec. Muncar Kab. Banyuwangi. This study used a non-factorial Randomized Block Design (RAK) with 1 factor and 6 replications. Dosage factor (P) is P1 = 0 gram/plant, P2 = 1.70 gram/plant, P3= 2.70 gram/plant, P4 = 3.70 gram/plant. Data analysis used the F test (ANOVA) and if there was a significant difference, then proceed with the calculation of BNJ (Honest Significant Difference) with an error rate of 5%. The results showed that the addition of a granular organic fertilizer dose of 2.70 grams had a good effect on rice plants, because it was able to produce the highest number of productive tillers, namely 35.17 productive tillers, the highest wet weight was 64.88 grams, the highest dry weight was 59.75 grams, the highest potential per hectare is 6.42 tons per hectare and the highest number of fruit seeds is 141.67 seeds, so the yield potential is higher.*

**Key words:** *fertilizer, growth and production, *Oryza sativa* L.*