

APLIKASI PENAMBAHAN PUPUK CAIR MAROLIS DAN SISTEM TANAM BERBEDA TERHADAP RODUKSI DAN MUTU BENIH PADI (*Oryza Sativa L*) VARIETAS GORONTALO. *Increasing application of marolis liquid fertilizer and different planting system to rice (*oryza sativa L*) seed production and quality of gorontalo variety.*

Moch. Ansor Anas
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

Rice plant is principal food plant that is consumed by a half of world people. Along with the increasing of the population at Indonesia, food need also increase. Food production, especially rice production should be increased, one way to increase rice productivity uses organic liquid fertilizer and repairs the planting system. Organic liquid fertilizer application is wished capable to complete the nutritions and repair the soil structure. This research was held at Bondowoso, East Java from November 2015 until February 2016. This research was conducted by factorial randomized block design with two factors. The first factor was organic liquid fertilizer application. The secobd factor was planting space (jajarlegowo 2:1, 50x50, 30x50). The research result showed that the application of moralis organic liquid fertilizer produced higher plant height, the total of paddy saplings and the production each hectare than other treatments. While the 50x50 block planting space application had the highest result of production each hectare.

Key words: *Rice Plant, Liquid Fertilizer, Planting System*