

Peningkatan Mutu Dan Produksi Benih Padi (*Oryza sativa* L.) Varietas Gorontalo Dengan Penambahan POC Pada Sistem Tanam Berbeda.
*Improved Quality and Production of Rice Seed (*Oryza sativa* L.) Varieties Gorontalo with POC Increase on Different Cropping Systems. Advisor: Dr. Rizal SP, MP and Dr. Netty Ermawati, SP.*

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ABSTRACT

*The research was held for three months from October to February 2016. This research was carried out in the field of Padukuan Tegal Asri, Cindogo in Bondowoso and laboratory of State Polytechnic of Jember. This research used Complete Random Block Design (RBD) 2 Factorial with 4 combination and 6 replication. The first factor was non POC application (E1), and POC application (E2). The second factor was Cropping Block System (T1), and Jajar Legowo 2:1 Cropping Systems (T2). The result showed Eterno application and non eterno application with different cropping system was not significant (ns) on several parameters, but on the parameters plant high, number of tillers, productive tillers, number grains of pithy, hollow grains and weight of 100 grains was a significant influence (**). Interaction between eterno application with cropping system (E*T) was highly significant effect (*) on the parameters number of grains /panicle. The result showed for seed quality application eterno and non application eterno with different cropping systems was not significant (ns) on all parameters of seed quality.*

Keywords: *POC liquid Fertilizer, Cropping System, Seed Production, Seed Quality*