

**Application poc cabbage to reduce on use fertilizer inorganic to the growth and the results of rice ( *oryza sativa l.* ) .**

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**ABSTRACT**

The research was conducted to obtain influence application poc cabbage in growth and results rice , Know the influence of the use of poc cabbage in increasing the efficient use of fertilizer inorganic to the growth and the results of rice and he knows interaction between growth and the results of rice system rows legowo And the use of poc cabbage because the reduction of inorganic fertilizer .Research and this goes on for four months , started december 2015 to march 2016 . The research was done in the garden experiment polytechnic land jember, east java.This research using design random group factorials consisting of 9 combination treatment. Factors first namely concentration poc cabbage ( a ) consisting of without control without poc ( a0 ) , concentration 10 cc / 1 ( a1 ) , Concentration 20 cc / 1 ( a2 and treatment second reduction doses fertilizer inorganic ( p ) consisting of ( p0 control 100 % ( urea 122 grams / the plot and phonska 242 grams / the plot ), ( p1 ) 75 % ( urea 92 grams / the plot and phonska 182 grams / the plot ), ( p2 ) 50 % ( urea 61 gram / the plot and phonska 121 gram / plot ) . The use of poc cabbage can improve efficiency in the use of fertilizer inorganic to 50 % of doses suggestion. Thus in paddy to be used poc cabbage by concentration of the 20 cc / 1 .

Keywords: *rice ( oriza sativa , l ) , poc cabbage , efesiensi fertilizer inorganic*