

Uji Mutu Benih Padi Varietas Inpari 32 Hasil Penelitian Perlakuan Pemupukan dan Jarak Tanam. *(The Quality Test of Inpari 32 Varieties of Rice Seed Result of Research on Fertilization and Spacing Plant Treatment)* Supervisor: Dwi Rahmawati, SP, MP and Ir. Sri Wahyuni, M.Sc

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ABSTRACT

*This research conducted with the aim to understand the effect of fertilization and plant space on the quality of seed rice inpari 32 varieties. The research conducted from September to November 2018 (2 months) in the laboratory test of BB Padi Sukamandi. This research applies a completely randomized design of the factorial Split Plot model. The main plot is variable is fertilization, namely A1 (application time of 12, 32, 45 HST with 400 grams fertilizer dose/urea plot, 200 grams/NPK Phonska plot at all application times and 200 grams/Pearl NPK plot at 45 HST), A2 (application time of 7 HST with 300 grams/urea plot and 360 grams/NPK Phonska plot maxillary litters use each 300 grams/plots Urea and ZA, SP 36 and KCI use 300 grams/plots and heading uses 36 100 grams/plots urea and SP and 208 grams/plots KCI Canada, A3 (application time of 7 and 25 HST using 300 grams/plots Urea, 10 HST use 200 grams/plots NPK Phonska and SP 36 use 600 grams/plots and Canadian KCI uses 400 grams/plots at 25 HST. Plot variable is plant spacing (B1) tegel planting system 25 cm x 25cm as a control, (B2) legowo planting system 2:1 spacing 25 x 12,5 x 50 cm dan (B5) legowo planting system 6:1 spacing 25 x 12,5 x 50 cm. The results showed that fertilization (A3) which had a very significant effect on the growth rate parameters of sporouts with result 17,49%. as well as fertilization treatment (A2) had a very significant effect on parameters of sprout stem lenght and sprout dry weight with yields of 13,29 cm and 6,17 gram .The space plant (B5) has a significant effect on the parameter of root length sprout with result 15,00 cm. There are the significant interaction (**) between a fertilization and spacing plant (A3B5) on the parameter of dry weight sprout root with result 3,68 gram.*

Keywords : Fertilization, Seed qualit, Spacing plant