

Uji Daya Hasil Beberapa Galur Padi (*Oryza sativa* L.) Hasil Mutan Dengan Dua Varietas Pemanding *Yield Test of Several Rice Strains (*Oryza Sativa* L.) Result of Mutans with Two Comparison Varieties. Supervisor by Ir. Titien Suhermiation, MP*

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ABSTRACT

*Rice (*Oryza sativa*. L) is a food crop that becomes a basic necessity of carbohydrate fulfillment in Indonesia. Rice needs should be available sufficiently so that rice production needs to be increased. New Type Rice is one of the alternatives to increasing rice production. New Type rice has high productivity, tolerant to disease pests, wide adaptation and has a good taste. This research aims to test the productivity of several new types of rice strains as well as identify new types of rice strains that have the potential to be released as new superior varieties. . This research was conducted in the rice fields of Wirowongso Village, Ajung District, Jember Regency, East Java and UPT Laboratory. BPSTPH Task Force V Jember. The design of the experiment used is a Non Factorial Randomized Group (RAK) Design. In this study, there were nine treatments consisting of eight rice strains and one comparative variety, with three replays each. The treatment is GH 189 PSJ, GH 190 PSJ, GH 191 PSJ, GH 192 PSJ, GH 193 PSJ, GH 194 PSJ, GH 195 PSJ, GH 196 PSJ, GH 197 PSJ, GH 198 PSJ, Inpari Sidenuk, Inpari 13 of each treatment were repeated 3 times so there were 36 trial units. The analysis data uses the F (ANOVA) test and if there is a noticeable difference then it is followed by a calculation with an error rate of 5%. The results of this study show that On the parameters of high observation of plants the vegetative phase exerts a noticeable different influence (**), high plant generative phase of inpari comparative varieties 13 superior to strains, malai length, grain amount, hollow grain count and grain count per malai, GH 193 PSJ, GH 189 PSJ and GH 196 PSJ strains are superior to inpari sidenuk and inapri 13 comparative varieties, per hectare production parameters and potential per hectare results show that the best results are GH strains 190 PSJ with production of 6.32 Tons/Ha and comparative varieties Inpari Sidenuk and Inpari 13, On the parameters of the Sprouts Test the inpari 13 comparative variety has the highest percentage of 97.67 %*

Keywords : *rice, strain, Yield Test*

