

Pengaruh Humic Acid Super Phosphate (HSP) dan Kaptan Super Phosphate (KSP) terhadap produksi dan mutu benih dasar padi (*Oryza sativa*. L) Varietas Membramo. *Effect of Humic Acid Super Phosphate (HSP) and Kaptan Super Phosphate (KSP) on Basic Rice (*Oryza sativa* L) Seed Production and Quality Membramo Varieties.* Supervisor : Ir. M. Bintoro

Muhammad Rizki Rosyiful Aqli
Study Program of Seed Production technique
Departement of Agricultural Production
Program Studi Teknik Prduksi Benih
Jurusan Produksi Pertanian

ABSTRACT

Rice is a plant that is widely cultivated by farmers in Indonesia because it is included in the food that is consumed daily by the community. This is evidenced by the large number of people who have switched from corn, cassava and sago to using rice. This study used a factorial randomized block design (RBD) using 2 treatment factors, each factor consisting of 3 levels and each level was repeated three times a. The first factor is giving Humic Acid Super Phosphate (HSP): A0 Without HSP A1 100 Kg/Ha A2 200 Kg/Ha b. The second factor was giving Kaptan super phosphate (KSP) P1 dose of 200 Kg/Ha P2 Dose of 300 Kg/Ha P3 Dose of 400 Kg/Ha. The results showed that the administration of HSP (humic acid super phosphate) at a dose of 200 kg/ha (A2) had a significant effect on plant height aged 45 and 60 hst with an average of 90.04 cm and 127.73 cm, number of tillers aged 30 DAP with an average of 11.62 tillers, and the simultaneous growth with an average of 74.85%, and a very significant effect on the number of tillers aged 45 and 60 DAP with an average of 22.93 tillers and 30.24 tillers, the number of unhusked grains per panicle with an average of 145.60 grains, the number of grain per panicle with an average of 125.51 grains, the percentage of empty grains per panicle with an average of 15.15%, and germination power with an average of 88.07%. The administration of KSP (Kaptan Super Phosphate) at a dose of 300 kg/ha (P3) had a very significant effect on the number of grain per panicle with an average of 144.61 grains, the number of rice grain with an average of 122.28 grains, and the percentage of empty grain per panicle was 15.37%. The interaction between HSP (humic acid super phosphate) at a dose of 200 kg/ha and KSP (Kaptan Super Phospat) at a dose of 300 kg/ha (A2P2) had a significant effect on the number of productive tillers with an average of 26.47 tillers, production per plot with an average of 3.07 kg/ha, and production per hectare with an average of 13.66 tons. Furthermore, the parameters that showed significant or very significant differences were carried out at the DMRT level of 5%.

Keyword : Humic Acid, Phosfor, Pady Seed,