

Pengaruh Asam Humat Dan Peletakan Posisi Akar Terhadap Produktivitas Dan Mutu Benih Padi (*Oryza sativa* L.). *The Influence of Humic Acid and Root Position to Productivity and Quality of Rice Testing (*Oryza sativa* L.).*

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ABSTRACT

*One effort to increase production and seed quality of paddy it's with humic acid application and the root position to paddy plant on planting. This research was held for 4 month (august – November) in field research State Polytechnic of Jember with a height above 89 m asl, and Seed Laboratory of State Polytechnic of Jember. This Research conducted Randomized Block Design (RBD) factorial with two factor. First factor is humic acid consisted of dose humic acid 7,5 kg/ha, 10,5 kg/ha and 12,5 kg/ha. Second factor is a root position consisted of root position vertical and horizontal. The result of research showed that humic acid treatment has a very significant effect (**) on high plant on harvest parameter, total grain each panicles, and production each hectare, and significant effect (*) of long panicles parameter. Humic acid dose 12,5 kg/ha (H3) give a highly production each hectare is 12,295 ton/ha, and highly result potential is 15,787 ton/ha, germination capacity 86,92%, germination equality 51,75 and germination of speed is 14,95% each etmal. Root position treatment give a significant effect (*) to total grain pithy and production each hectare. this treatment give a more highly production each hectare is 12,344 ton/ha with comparison of root position vertical.*

Key words: Humic acid, , Root Position, Paddy Seed