

**THE EFFECTIVE OF COCONUT WATER AND RED ONION
EXTRACT TO IMMERSION OF RATOON RICE SEEDS
FOR RATOON RICE GROWTH AND PRODUCTION**

The Guided by Ir. Damanhuri, MP.

Ari Yudi Kuswanto

Program Study of Food Crop Production Technology
Agricultural Production Department

ABSTRACT

Ratoon rice is rice plant shoots that grow from crop residue that has been cut, new rice plant candidates grow from the first shoots and emerge from the bottom of the stem (nodes). Usually the stems left over from the rice harvest are not utilized, even though they still have potential as planting material but inhibit the formation of roots so that they need to be stimulated with growth regulators (ZPT). Growth regulators (ZPT) absorbed by ratoon rice plants can stimulate tillers so as to increase production. Research was conducted in a completely randomized design consisting of 5 treatments and 6 replications so there were 30 experimental units. The results showed that utilization of growth regulators from young coconut water with 100% concentration could have a good effect on the plant height with the highest average value of 105 cm and amount of productive tillers the most is 18, so that the most influence on ratoon rice plants was the application growth regulators of young coconut water, because the hormone auxin and gibberellin so that it can stimulate growth in ratoon rice plants.

Keyword: Growth regulators, Ratoon rice