

**ASSESSMENT OF THE N, P, K, AND PH NUTRIENT STATUS OF  
ALUVIAL SOIL THAT IS MADE INTO RICE FIELD BASED ON TEST  
RESULTS OF THE PADDY SOIL TEST KIT IN KLEGENWONOSARI  
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**ABSTRACT**

Soil nutrient status assessment to assess and monitor the nutrient status of the soil is very important in order to find out which nutrients are obstacles for plants, especially rice plants. Assessment of soil nutrient status can be done using a soil test approach where assessment using this method is relatively accurate and faster. This research aims to assess the nutrient status of paddy soil (N, P, K, pH) for rice cultivation, determine recommendations for single and compound fertilization according to the paddy field soil testing device (PUTS) test method for rice cultivation, and determine the status assessment distribution map. paddy soil nutrients (N, P, K, pH) for rice cultivation. This research was carried out using the soil nutrient status test method using the Paddy Soil Test Kit (PUTS). The paddy soil fertility test is carried out in the form of testing the nutrient status of N, P, K and pH of the paddy soil. The results that will be obtained will be in the form of nutrient status test results, distribution maps assessing the nutrient status of paddy soil, and recommendations for fertilization according to the PUTS method. Based on the results of the nutrient status test for paddy fields, the N nutrient status data was obtained with a low value with an area of 4.2 ha, medium with an area of 1.6 ha, high with an area of 80.7 ha, while the results of the P and K nutrient status test obtained a medium value. with an area of 5.8 ha and a height with an area of 80.7 ha, then the pH status of the paddy soil gets the same rating, namely slightly acidic (pH 5-6).

***Keywords : Paddy Soil, PUTS, Rice Plants, Soil Nutrient Status***