

ABSTRACT

THE INFLUENCE OF A HERBICIDE *PARAQUAT* ORAL AGAINST UREUM CREATININ LEVELS IN THE SERUM WHITE RAT (*RATTUS NORVEGICUS*) STRAIN SPRAGUE DAWLEY

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Pesticide is the poison that besides providing benefits in the agricultural sector but can give the effect on public health . *Paraquat* (1,1-dimethyl of *paraquat* , 4.4 – bipyridilium) is one of the active herbicide glyphosate the kind of pesticides which has long and until now the most widely used .This research aims to understand whether or not there to influence levels of oral *paraquat* herbicide ureum creatinin in the serum white rats (*rattus norvegicus*) strain sprague dawley .

In this study using the experimental methods with a pattern post test- only control group design .Using a rat (*rattus norvegicus*) is white male galur sprague dawley was 8-10 week chosen at random and are grouped in group 5 , where each carpel group given different treatment .Given to group 1 as usual without feed control , while the treatment group 1 , 2 , 3 ,4 and given oral doses of *paraquat* with 25 , 50 , 100 , 200 mg / kgbb . This research use statistical tests is wallis kruskal.

The average value of the research results obtained 18,6 ureum is in control , 28.8 group 1 , 44,2 in group 2 , 55,00 in group 3 , and 74,20 kelompok at 4 .The average score 0.36 creatinin is in control , 1.30 in group 1 , 2.28 in group 2 , 2.98 in group 3 , and 4,62 in group 4 .

After conducting research can be drawn the conclusion that there is the influence of *paraquat* herbicide oral against ureum creatinin in the serum levels of white rats (*rattus norvegicus*) is galur sprague dawley .

Keywords : Kreatinin, *Paraquat*, Ureum