

ABSTRAK

Umami, Leny Rusvita. 2012. **The Potential Of Some Form Of Pegagan (*Centella asiatica* (L) Urban) toward the ability of the rat (*Rattus norvegicus*) To Recall the events of the Dark and bright Space**. Advisor: Dr.drh. Bayyinatul M, M.Si and Dr. Munirul Abidin, M.Ag.

Key Words : *Centella asiatica*, cognitive function, the dark and bright space, memory enhancer, Necrosis, mouse

Pegagan or *Centella asiatica* is a natural material which is commonly used as traditional medicine, one of them as a supplement memory Enhancer. *Centella asiatica* has long been used as traditional medicine in the form of fresh, dry or in the form of the herb. *Centella asiatica* contains active ingredients that are alleged to be able to improve memory in rats undergoing necrosis. This research aims to find out the potential of some form of Pegagan (*Centella asiatica* (L.) Urban) against the ability of the rat (*Rattus norvegicus*) to recall the events of the dark and bright space.

This experimental research using factorial design pattern RAL with 2 factor and repeated three times. The first factor is a form of *Centella asiatica* (extracts, fresh, and stew) the second factor is the old allotment that is 28 and 42 days. The animal used was the female mouse as much as 30 tails. Treatment in research are rats without treatment (negative control), rat necrosis without granting of *Centella asiatica* (positive control), rats necrosis who were given a *Centella asiatica* extracts for 28 and 42 days, rats necrosis who were given fresh *Centella asiatica* for 28 and 42 days and rats necrosis who were given water stew *Centella asiatica* for 28 and 42 days. Variable depending on the research is given the ability to recall events of rodents in the dark and bright space. Data analyzed with different Variansi Analysis shows real then if tested with test BNJ 1%.

Based on the result analysis variansi show that there are influences of the form of preparations toward ability remember in rat. the old granting and interaction between the preparation and long granting not exhibiting differences . The results test BNJ 1 % shows that the form of Pegagan (*Centella asiatica*) can increase the ability of remember in rat.