

**Antifungal Potency of Red Betel Leaf Extract (*Piper Crocatum Ruiz And Pav*)  
Toward *Fusarium* sp Growth which Isolated from Leopard Gecko Egg  
(*Eublepharis Macularius*)**

**Rachmad Dwi Febrianto**

**ABSTRACT**

The purpose of this research is to know the lowest concentration of red betel leaf extract (*Piper crocatum Ruiz and Pav*) which can inhibit growth as well as kill *Fusarium* sp. which isolated from Leopard gecko (*Eublepharis macularius*) eggs. This study used 30 samples of *Fusarium* sp which isolated from Leopard gecko eggs. The samples were grouped into 6 groups in which each group consisted of 5 samples, they are: K + (Ketoconazole 1%), K- (CMC-Na 1%), P1 (40% concentration of red betel leaf extract), P2 (50% concentration of red betel leaf extract), P3 (60% concentration of red betel leaf extract), P4 (70% concentration of red betel leaf extract). Observation of minimum inhibitory concentrations was carried out for 24 hours at 30°C of incubation temperature and continued by inoculation process into Saburound Dextrose Agar and observed for 48 hours at room temperature. The results of this research showed that there is no minimum inhibit concentration of red betel leaf extract (*Piper crocatum cuiz and Pav*) was able to inhibit the growth and 70% concentration of red betel leaf extract (*Piper crocatum Ruiz and Pav*) was able to kill *Fusarium* sp which isolated from Leopard gecko (*Eublepharis macularius*) eggs.

Key words : Leopard gecko, eggs, red betel leaf, extract, *Fusarium* sp