

ABSTRACT

PHOSPOLIPID COMPLEX AS A CARRIER OF *Piper Retrofractum*. Vahl EXTRACT TO IMPROVE ITS APHODISIAC ACTIVITY

An aphrodisiac is defined as food or drug that arouses the sexual instinct, induces veneral desire and increases pleasure and performance. Conventional extract form has several lack that many phytoconstituents can not be absorbed by the intestine into the blood by simple diffusion. The purpose of this study is to prove that phytosome extract (F.Extract) of *Piper retrofractum* has better activity than conventional extract. Equivalent dose of the extract, F.Extract, piperine and F.Piperine used in this test (13 mg piperine/kg) was administered orally to each mouse 30 min. before met female mice. The results was obtained by calculated the average amount of sexual behavior *introducing* and *mounting* in male mice. *Introducing* and *mounting* an indicator of stimulation of sexual arousal, motivation and desire. The results showed that introducing for 2 hours in a group of mice with the negative control was obtained giving an average of 7.5 ± 0.55 ; extract 22.3 ± 0.82 ; F.Extract 26.7 ± 1.34 and 10.7 ± 0.52 piperine. In a fitting for 2 hours showed that mice with a negative control group gained an average deliver $0 \pm 0:00$; extract $11.5 \pm 1:05$; F.Extracts 18 ± 1.79 and piperine 0 ± 0.00 . The results showed that there is an increasing in the average amount of sexual behavior of male mice in the group F.Extract > extract.

Keyword : phytosome, *piper retrofractum*, aphrodisiac.