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PENGARUH PEMBERIAN OKSITOSIN, DAUN KATU DAN DAUN LAMPES TERHADAP SEKRESI AIR SUSU DAN GAMBARAN HISTOLOGI KELENJAR AMBING PADA MENCIT

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ABSTRACT

*A comparative study on the effect of oxytosin, extracted leaf of katu (**Sauropus androgynus, Merr**) and lampes (**Ocimum sanctum, Linn**) against secretion of milk and histologically mammary gland of mice was carried out under laboratory conditions.*

*The study was designed by using totally 40 mice pp. and devided into four groups treatment which consisted 10 females mice post partum (pp) of each group. The control group, katu (**S. androgynus**), lampes (**O. sanctum**), and oxytosin were given orally 0,5 ml physiological solution, 10 mg/0,5 ml leaf extract of S. androgynus, 10mg/0,5 ml leaf extract of O. sanctum and 0,1 IU oxytosin intramuscular, respectively. The treatment were started on day fourth to 21th of lactation period. The data were observed on day 6th, 9th, 12th, 15th, of lactation period and than on day 21th the mice were killed to prepare histologically of mammary glands. The data analyzed by ANOVA and LSD test.*

*The result of the study showed that the secretion of the milk on the mice were not significantly different amongs of fourth groups. However between S. androgynus and O. sanctum group occurred an increasing on secretion of milk production. The diameter of alveolus pit of mammae lobus gland were not significantly different amongs the fourth groups, but the number of alveolus of mammae lobus gland were significantly different amongs oxytosin, **S. androgynus** and **O. sanctum** groups and between the group of **O. sanctum** and control.*

*Key words : oxytosin, **Sauropus androgynus, Ocimum sanctum**, secretion of milk, alveolus of mammae lobus gland.*