

ABSTRACT**GENERAL STANDART PARAMETERS DETERMINATION AND FINGERPRINT OF OIL FRACTION FROM RHIZOME *Kaempferia galanga* L.**

Rhizome of *Kaempferia galanga* L. or recognized ordinary by *kencur* represent one of useful drug crop. Have been conducted by research that prime compound which is ethyl *p*-methoxy cinnamate has anticancer activity. In the framework to developing of phytopharmaceutical as anticancer from mixture of diterpen lacton fraction (*Andrographis paniculata* Nees) and oil fraction (*Kaempferia galanga* L.), so necessary to carry out standardization of its basic material to guarantee the final product has the same pharmacological activity.

Fraction are made from maceration 500 gram rhizome of *Kaempferia galanga* L. with 2 liters etanol 96% for 4 x 24 hours. Extract obtained to be condensed by rotavapour until got a viscous extract, then fractination with increasing aqua until etanol 70% obtained. Oil fraction has been obtained henceforth use as a experimental material.

Non specific parameters value that is obtained by specific gravity $0,98838 \pm 0,0001$ g/ml, dry weight $10,08 \pm 0,21$ %, dusty rate 0,0236 %, and test the heavy metal indicated that the fraction do not contain Hg, contain Cd with the rate 0.012 ppm, contain Cu with the rate 0.267 ppm, and contain Pb with the rate 0.048 ppm. While the value of specific parameters that is dissolve gist in water obtained by $0,429 \pm 0,0054$ %, and dissolve gist in etanol $7,4789 \pm 0,0073$ %.

Determination of rate of ethyl *p*-methoxy cinnamate use densitometry method obtained by $50,43 \pm 1,76$ %. Fingerprint uses three instrument that is TLC-Densitometry, High Performance Liquid Chromatography (HPLC), and Infra Red Spectrophotometry.

Key word : Standardization, Extract Standard Parameters, Fingerprint, *Kaempferia galanga* L.