

ABSTRACT

Muslikhah. 2014. **Influence Ethanol Extract of *Calotropis gigantea* Leaf Concerning Fibrosarcoma Histology Image of Male Mice (*Mus musculus*) Which is Induced 7,12-Dimetilbenz(A)antrasena (DMBA) In Vivo.** Thesis. Department of Biology, Faculty of Science and Technology, State Islamic University Maulana Malik Ibrahim Malang.

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Keywords: *Calotropis gigantea* Leaf, Fibrosarcoma Histology, *Mus musculus*

Calotropis gigantea leaf is one of many plants which are used by people as traditional medicine, for example as toothache medicine, poison antidote, feverish medicine and asthma cough. However this plant also can used as cancer medicine. *Calotropis gigantea* contains compound cardenolide which have cytotoxic concerning cancer cell include fibrosarcoma. That aktif substance can restrain mitochondria (cell organ energy producer) which is needed by cancer cell to develop. This research as a purpose to know influence ethanol extract of *calotropis gigantea* concerning histology image of male mice (*mus musculus*) which is induced 7,12-dimetilbenz(a)antrasena (dmba) in vivo.

This research is experimental which use Complete Random Plan (CRP) with 6 treatment 5 times repetition. The treatment which used is (K-) Negative Control, (K+) Positive Control, (P1) dosage 50 mg/kg BB, (P2) dosage 100 mg/kg BB, (P3) dosage 150 mg/kg BB, (P4) Metotrexat dosage 2,5 mg/kg BB and 7,12-dimetilbenz(a)antrasena (DMBA) 25 mg/Kg BB. The animal which used is 30 male mice attain the age of ± 50 -60 days. Data result of research comprise sum of fibroblast cell and wide ravage percentage of male mice (*Mus musculus*) colagent fiber. Data which found then analysis with ANOVA one way, when be found very real diverification then continued with Duncan experiment.

The result of reseacrh indicate that *calotropis gigantea* extract influential concerning fibrosarcoma histology of male mice (*Mus musculus*), which show that *calotropis gigantea* extract capable to reduce sum of fibroblast cell and repair colagent fiber which broken. *Calotropis gigantea* extract at dosage 150 mg/kg BB better than synthesis cancer medicine that is Metotrexat dosage 2,5 mg/kg BB.