

POTENSI FRAKSI ALKALOID DAUN JARONG (*ACHYRANTES ASPERA LINN*) PADA
INDUKSI APOPTOSIS KULTUR SEL MIELOMA MENCIT SECARA IN VITRO

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ABSTRACT

This study was aimed to determine the potency of *Achyranthes aspera linn* alkaloid in the induction apoptosis of myeloma cells of mice.

Myeloma cell cultures were added into 24 microwell plate contained 6 groups of test material i.e negative control, positive control (contained 100ppm colchicin) and *Achyranthes aspera linn* in 4 different concentration (1, 10, 100 and 1000 ppm).

Myeloma cells underwent apoptosis were counted using *etidium bromid* and *acridin orange* staining under fluorescence microscope with 400x magnification.

This study showed that apoptosis on mice induced by 10, 100, and 1000 ppm *Achyranthes aspera Linn* fraction were equivalent to that of by 100ppm colchichin.

Key word : *Achyranthes aspera linn*, apoptosis, myeloma cell.