

THE ANTIPROLIFERATIVE STUDY OF BENALU DUKU (*Loranthaceae dendrophthoe species*) LEAVES EXTRACT ON MYELOMA CELL IN VITRO

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ABSTRACT

This observation was aimed to find out the potency of benalu duku extract in vitro. The antiproliferative activity is an ability to interfere with the myeloma cell to divide. The antiproliferative ability of the benalu duku extract is measured by number of the death and the live cell both in treatment or control groups.

Three groups of treatment and three groups of control keep for 24 hours in an incubator on 37 °C. The data analyzed using SPSS 12,0 version for windows with T test.

The concentration of benalu duku leaves extract used each is 10 ppm, 20 ppm and 30 ppm. The ability of benalu duku leaves extract to inhibit the progress of myeloma cell was started on 10 ppm level.

Data analyzed using T test showed that between each treatment and the control was significantly different.

The result showed that the benalu duku leaves extract which is extracted by using hydrochloride acid has ability antiproliferative on myeloma cell culture.

Key words : in vitro, antiproliferative, benalu duku extract , myeloma cell