

ABSTRACT**POTENTIAL OF *Hedyotis corymbosa* (L) Lamk LEAF ETANOL EXTRACT INTO THE TOTAL OF NEW BLOOD VESSEL OF ORAL CANCER ON THE GALUR WISTAR RAT INDUCED BY BENZOPYRENE**

Background: *Oral cancer is a serious problem in some countries. This cancer on the 6th grade from all of the cancer in the world. Nowadays, therapy of oral cancer is surgery and chemotherapy which is need a lot of money and make many kind of side effect like leucopenia, alopecia, and mucositis. Hedyotis-corymbosa leaf has antiangiogenic effect that can inhibit progressivity of cancer.* **Purpose:** *To prove and to analyze the best dose Hedyotis-corymbosa leaf etanol extract to decrease of new blood vessel of oral cancer.* **Methods:** *This research is the laboratories experimental with post test only control group design. There are 24 Galur-wistar rat as research samples, and divided into four group, namely KK, KP 1 (375 mg/kg BB), KP 2 (750 mg/kg BB), and KP 3 (1500 mg/kg BB). All of this samples injected by benzopyrene intra muscular in oral twice a week for a month with the dose 8 mg/kg BB. Furthermore, each group was given Hedyotis-corymbosa leaf etanol extract with the dose 375 mg/kg BB, 750 mg/kg BB, and 1500 mg/kg BB for ten days. All samples were sacrificed and processing for histopatological evaluation among group. The data were tabulated and analyze statistically.* **Result:** *The total of new blood vessel in control group is higher than KP 1, KP 2, and KP 3. This result prove that Hedyotis-corymbosa leaf etanol extract can inhibit development of new blood vessel of oral cancer. The dose 750 mg/kg BB has the lowest total of new blood vessel compared with another dose. It means that 750 mg/kg BB is the best dose for inhibit progressivity of oral cancer.* **Conclusion:** *Hedyotis corymbosa leaf etanol extract can inhibit the new blood vessel of oral cancer, expecially in dose of 750 mg/kg BB.*

Keywords: *benzopyrene , Hedyotis corymbosa, new blood vessel, oral cancer*