

## **ABSTRACT**

### ***THE INHIBITORY EFFECTIVENESS TEST OF EXTRACT OF TYPHONIUM FLAGELLYFORME LEAVES AGAINST BACTERIA ESCHERICIA COLI***

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*Infection caused most by disease-causing bacteria in respiratory and digestive tract is bacteria Escherichia coli. Typhonium flagelliforme is plants similar taro which has potential of anti-cancer and antioxidant. Besides this plant also has the potential as an anti-bacterial. Based on previous studies, the leaves plants of Typhonium flagelliforme known to have the content of flavonoids that has activity as anti-bacterial.*

*The purpose of this study is to find out if leaf extract plants of Typhonium flagelliforme able to inhibit the activity of Escherichia coli bacteria.*

*The type of research conducted was experimental conducted 6 times repetition with 5 different concentrations. The method used to observe the inhibit zone is the diffusion of paper discs.*

*The results of the research data at lowest concentration of 20 ppm, 40 ppm, 60 ppm, 80 ppm, 100 ppm with a category of weak inhibit. From the results it can be concluded that the concentration of Typhonium flagelliforme leaf extract affect the inhibition zone of Escherichia coli bacteria.*

*Keyword: The inhibitory test, Typhonium flagelliforme, Escherichia coli*