

## **ABSTRACT**

**SCREENING OF SECONDARY METABOLITE CONTENTS ON  
ACETONE EXTRACT OF BLACK RICE (*Oryza sativa L. indica*)  
BY ULTRASONIC METHOD  
(sample taken from Pangkah, Tegal)**

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*This study aims to determine the class of secondary metabolites on acetone extract of black rice (*Oryza sativa L. indica*). The extraction method used is the ultrasonic method. The collected black rice is changed into powder, then sieved using an 100 mesh sieve. Black rice powder is weighed as much as 100 grams, then added with 1 liter of acetone solvent. The black rice extract was subjected to phytochemical screening for flavonoids, saponins, tannins, terpenoids, alkaloids and steroids with the observation of color changes, the formation of precipitates, foam and rings. The results showed that the extract secondary metabolites positive of flavonoid, saponin, tannin, terpenoid, alkaloid and negative of steroid. Suggestions for future research to screen secondary metabolites in acetone extract of black rice (*Oryza sativa L. indica*) by Thin Layer Chromatography test using a different extraction method.*

*Keyword : screening, secondary metabolite, acetone extract, black rice, ultrasonic extractor, *Oryza sativa L. indica**