

## ABSTRACT

### (LITERATURE REVIEW)

#### THE ACTIVITY OF ANTIBACTERIAL RED GINGER (*Zingiber officinale* *var. Rubrum*) AGAINST *Pseudomonas aeruginosa*

## SALSABILLA

Red Ginger (*Zingiber officinale* var. *rubrum*) is a *Zingiberaceae* plant containing antimicrobial flavonoids, phenols, terpenoids, and essential oils. This study aimed to assess the antibacterial properties of red ginger (*Zingiber officinale* var. *Rubrum*) against *Pseudomonas aeruginosa* bacteria. This research is based on a *literature review*. The researchers searched official databases and library sources for articles pertinent to their research topic, comparing the antibacterial activity of red ginger (*Zingiber officinale* var. *Rubrum*) against *Pseudomonas aeruginosa* bacterium. Among the utilized databases is Google Scholar. The number of resumed articles was five, consisting of three national pieces and two foreign articles. According to the findings of this study, red ginger (*Zingiber officinale* var. *Rubrum*) possesses antibacterial properties against *Pseudomonas aeruginosa* bacterium. The diameter of the biggest inhibition zone in the second article isolating rotting fish (IB 5) with a 50% concentration was determined to be 18,5 mm, which was classified as medium. And there was no inhibition zone in the fourth journal because the concentration applied was too low.

**Keywords:** Antibacterial, Red ginger (*Zingiber officinale* var. *Rubrum*), *Pseudomonas aeruginosa*.