

## ABSTRACT

### (LITERATURE REVIEW)

#### ANTIBACTERIAL ACTIVITY OF RED GINGER (*Zingiber officinale* var. *Rubrum*) AGAINST *Salmonella typhi*

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Ginger (*Zingiber officinale*) is a spiced that is widely used by people in the world. Red ginger (*Zingiber officinale* var. *Rubrum*) is a plant of the Zingiberaceae tribe that had been used as a medicine for generations since it has the highest volatile (essential oil) and nonvolatile (oleoresin) components compared to other types of ginger. Therefore, the purpose of this journal review is to determined the ability of red ginger (*Zingiber officinale* var. *Rubrum*) to inhibit *Salmonella typhi* bacteria. Secondary metabolite compounds produced by Zingiberaceae plants, especially the flavonoids, phenols, terpenoids, and essential oils can generally inhibit the growth of pathogens that are detrimental to human life, including *Escherichia coli* and *Bacillus subtilis* bacteria, as well as several other microbes. One of the bacteria that can cause disease is *Salmonella typhi*. Thus, it can be concluded that red ginger (*Zingiber officinale* var. *Rubrum*) can minimally inhibit *Salmonella typhi* bacteria.

**Keywords:** Antibacterial, red ginger (*Zingiber officinale* var. *Rubrum*), *Salmonella typhi*