

**ABSTRACT**  
**(LITERATURE REVIEW)**

**ANTIBACTERIAL ACTIVITY OF LINGZHI (*Ganoderma lucidum*)**  
***mushroom extract against *Staphylococcus aureus****

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*Many infectious diseases are caused by the *Staphylococcus aureus* bacteria. While Lingzhi Mushrooms are known to contain organic compounds that can inhibit bacterial growth.*

*The purpose of this study was to determine the antibacterial effect of lingzhi mushroom (*Ganoderma lucidum*) extract on the inhibition zone of *Staphylococcus aureus* bacteria through literature study. The data collection method used is to collect several research articles with a range of years between 2018 - 2020.*

*From the review of articles conducted, it was found that three articles used the soxhletation method of extraction and two articles used the maceration extraction method. Of the five articles that have been reviewed, it shows that the largest inhibition zone with a strong category is 17.0 mm using the paper disc diffusion test method. Extraction was carried out using methanol as a solvent using the soxhletation method. While the smallest inhibition zone with the medium category is 4.00 mm using the well diffusion test method. Extraction was carried out using 96% ethanol as a solvent by maceration method.*

**Keywords:** *Staphylococcus aureus, *Ganoderma lucidum*, Antibacterial Activity.*