

**UTILIZATION OF BAKER'S YEAST ON NUTRIENT AGAR FOR THE  
GROWTH OF *Staphylococcus aureus***

**(STUDY LITERATURE)**

**ABSTRACT**

Sesilia Devita Sari C Sitanggang

P17334117016

Growing and studying the characteristics of microorganisms in the field of microbiology needed a medium as a place to grow microorganisms. Growth media must supply the nutritional requirements needed by microorganism. The media commonly used to grow microorganisms in the laboratory is the Nutrient Agar (NA) media which consists of a mixture of extracts of meat / yeast by using agar as a compactor because Nutrient agar is the most widely used standard in the world as it is recommended by WHO. Yeast extract made from baker yeast has the potential as an alternative composition of yeast extract on Nutrient Agar media which is indicated by the planting of *Staphylococcus aureus* bacteria. *Staphylococcus aureus* is used as a test bacterium because it is a bacterium that is easy to grow and does not require complex nutrients (non-fastidious). **This study aims to** examine the effect of the use of baker yeast on Nutrient Agar on the growth of *Staphylococcus aureus*. A **literature study was conducted as a research method** by reviewing and analyzing several research journal entries to conclude. Secondary data were collected from various sources relating to the problem and research objectives. In the literature studies, research data which will be used is collected in the form of literature that has been selected, sought, presented and analyzed. Data collection conducted in this study is to collect various references about the use of baker yeast as a source of yeast extract on bacterial growth media. **Based on the results of this literature study**, the bread yeast has the potential to be used as an alternative as yeast extract on Nutrient Agar media on the growth of *Staphylococcus aureus* because the nutritional content, especially nitrogen which will be obtained after extraction.

Keywords: baker yeast, alternative media, yeast extract, nitrogen source, Nutrient Agar, *Staphylococcus aureus*