

**UJI AKTIVITAS ANTIBAKTERI ISOLAT *Actinomycetes* TERHADAP  
BAKTERI *Staphylococcus sp.* DAN *Streptococcus sp.* SEBUAH TINJAUAN  
SYSTEMATIC REVIEW**

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**Abstrak**

Penyakit infeksi kulit yang disebabkan oleh bakteri, seperti *Staphylococcus sp.* dan *Streptococcus sp.* yang dapat menyebabkan infeksi kulit karena adanya luka. Beberapa tipe bakteri *Staphylococcus* merupakan flora normal yang berada pada kulit namun dapat menjadi patogen yang menyebabkan penyakit seperti *Staphylococcal scalded skin syndrome*. *Streptococcus pyogenes*, bakteri *Streptococcus* golongan  $\beta$  hemolisis dapat menyebabkan penyakit kulit seperti selulitis, impetigo, dan lain-lain. Tujuan penelitian ini ialah mengetahui aktivitas antibakteri isolat *Actinomycetes* terhadap *Staphylococcus sp.* dan *Streptococcus sp.* sebagai alternatif penggunaan antibakteri. Metode: *Systematic Review* dengan melakukan pencarian literatur menggunakan PubMed, Ebsco, E-Resource Perpustakaan. Literatur yang membahas tentang *Actinomycetes*, *Staphylococcus sp.* dan *Streptococcus sp.* Hasil: Berdasarkan 8 jurnal didapatkan 4 jurnal yang membahas tentang *Actinomycetes* terhadap *Staphylococcus* dan 4 jurnal berikutnya yang membahas tentang *Actinomycetes* terhadap *Streptococcus*. Kesimpulan: Isolat *Actinomycetes* dapat menjadi alternatif sebagai antibakteri terutama yang disebabkan oleh bakteri *Staphylococcus sp.* dan *Streptococcus sp.*

**Kata Kunci :** *Actinomycetes*, Antimikroba, *Staphylococcus sp.*, *Streptococcus sp.*

**ANTIBACTERIAL ACTIVITY TEST OF *Actinomyces* ISOLATE  
AGAINST *Staphylococcus sp.* AND *Streptococcus sp.* A SYSTEMATIC  
REVIEW**

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**Abstract**

Skin disease caused by bacteria, such as *Staphylococcus sp.* and *Streptococcus sp.* which can cause skin infections due to injuries. Several types of *Staphylococcus sp.* bacteria are normal flora that reside on the skin but can become pathogens that cause diseases such as Staphylococcal Scalded Skin Syndrome. *Streptococcus pyogenes*, Streptococcus group  $\beta$  hemolysis bacteria can cause skin diseases such as cellulitis, impetigo, and others. The purpose of this study was to determine the antibacterial activity of *Actinomyces* isolates against *Staphylococcus sp.* and *Streptococcus sp.* as an alternative to antibacterial use. Methods: Systematic Review by conducting a literature search using PubMed, Ebsco, National Library of Indonesia E-Resource. Literature discussing *Actinomyces*, *Staphylococcus sp.* and *Streptococcus sp.* Results: Based on the 8 journals, 4 journals were obtained with the dependent variable *Staphylococcus* and the independent variable *Actinomyces* with different strains or species and the next 4 journals with the dependent variable *Streptococcus* and the independent variable *Actinomyces* by means of extraction and different species. Conclusion: *Actinomyces* isolates can be an alternative as an antibacterial, especially those caused by *Staphylococcus sp.* and *Streptococcus sp.*

**Keywords:** *Actinomyces*, Antimicrobial, *Staphylococcus sp.*, *Streptococcus sp.*