

**Daya Antibakteri Ekstrak Etanol Daun Pepaya (*Carica papaya L.*) Dalam
Menghambat Pertumbuhan Bakteri *Aggregatibacter
actinomycetemcomitans* : A Literature Review**

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ABSTRAK

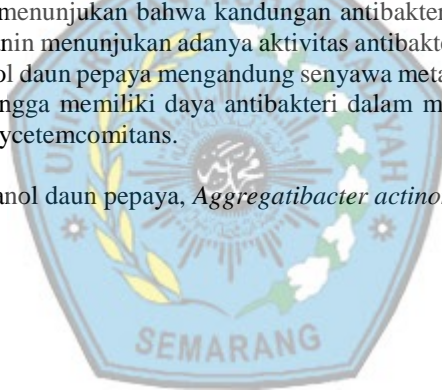
Pendahuluan : Penyakit periodontitis agresif banyak menyerang individu dengan usia 15-35 tahun. Penyebabnya adalah bakteri *Aggregatibacter actinomycetemcomitans*. Bakteri tersebut dapat dihilangkan dengan pemberian antibakteri, akan tetapi penggunaan secara berlebihan dapat menyebabkan resistensi. Daun pepaya (*Carica papaya L.*) memiliki kandungan antibakteri berupa alkaloid, saponin, flavonoid dan tanin.

Metode : Artikel ini menggunakan metode tinjauan pustaka berdasarkan kriteria inklusi yaitu artikel penelitian asli, artikel publikasi tahun 2016-2021, dan dapat diakses *full text*. Database yang digunakan adalah *Google Scholar*, *Science Direct*, *Pubmed* dan *EBSCO* dengan menggunakan kata kunci ekstrak etanol *Carica papaya L.*, *Aggregatibacter actinomycetemcomitans*, antibakteri.

Hasil : Hasil penelitian menunjukkan bahwa kandungan antibakteri pada tanaman seperti alkaloid, saponin, flavonoid dan tanin menunjukkan adanya aktivitas antibakteri terhadap bakteri gram negatif.

Simpulan : Ekstrak etanol daun pepaya mengandung senyawa metabolit sekunder alkaloid, saponin, flavonoid dan tanin sehingga memiliki daya antibakteri dalam menghambat pertumbuhan bakteri *Aggregatibacter actinomycetemcomitans*.

Kata kunci : Ekstrak etanol daun pepaya, *Aggregatibacter actinomycetemcomitans*, antibakteri



**Antibacterial Power of Ethanol Extract of Papaya Leaves (*Carica papaya*
L.) in Inhibiting the Growth of *Aggregatibacter actinomycetemcomitans*
Bacteria : A Literature Review**

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ABSTRACT

Introduction : Aggressive periodontitis disease commonly affects people in 15-35 years old. It is caused by the bacterium of *Aggregatibacter actinomycetemcomitans*. This bacteria can be eliminated by giving an antibacterial, but the excessive use can cause a resistance. Papaya leaves (*Carica papaya L.*) contains antibacterial such as alkaloids, saponins, flavonoids, and tannins.

Method : This article used Literature Review method based on inklusif criteria, which are research article, published articles in 2016-2021, and can be accessed full text. The database used *Google Scholar*, *Science Direct*, *Pubmed* and *EBSCO* by using keywords ethanol extract of *Carica papaya L.*, *Aggregatibacter actinomycetemcomitans*, antibacterial.

Results : The results showed that the antibacterial content in plants such as flavonoids, alkaloids, saponins and tannins showed antibacterial activity against the gram-negative bacteria.

Conclusion : Ethanol extract of *Carica papaya L.* contains secondary metabolites of alkaloids, saponins, flavonoids, and tannins so that they have antibacterial effect in inhibiting the growth of *Aggregatibacter actinomycetemcomitans* bacteria.

Keywords : Ethanol extract of papaya leaves, *Aggregatibacter actinomycetemcomitans*, antibacterial

