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## #2666 Summary

SUMMARY REVIEW EDITING

### Submission

Authors	St. Ratnah, Alfrida Monica Salasa, Dwi Rachmawaty Daswi, Arisanty Arisanty
Title	Potensi Antibakteri Ekstrak Etanol Daun Pegagan ( <i>Centella asiatica</i> (L.) Urban) Terhadap Pertumbuhan <i>Enterococcus faecalis</i> dan <i>Citrobacter freundii</i>
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#### Title and Abstract

Title Potensi Antibakteri Ekstrak Etanol Daun Pegagan (*Centella asiatica* (L.) Urban) Terhadap Pertumbuhan *Enterococcus faecalis* dan *Citrobacter freundii*

Abstract *Potential Anti-Bacterial Ethanol Extract Of Collature Leaves (Centella asiatica (L.) Urban) On The Growth Of Enterococcus faecalis and Citrobacter freundii*

*Enterococcus faecalis* and *Citrobacter freundii* are bacteria that can be found in the digestive sistem like *Escherichia coli* and can enter the digestive tract with food and drinks containing these bacteria. The phytochemical content of Pegagan Leaves (*Centella asiatica* (Linn.) Urban) is tannins, flavonoids, steroids, terpenoids, and alkaloids, which have been shown to have antibacterial activity. The purpose of this study was to determine the antibacterial potential of the ethanol extract of Pegagan Leaf (*Centella asiatica* (L.) Urban.) on the growth of *Enterococcus faecalis* and *Citrobacter freundii*. Pegagan leaf simplicia was extracted using the maceration method with 96% ethanol as a solvent, then tested for its antibacterial potential using the disc diffusion method. The results showed that the optimal concentration of ethanol extract of *Gotu kola* for both test bacteria was 8%. The conclusion of this study, ethanol extract of Pegagan Leaf has antibacterial potential against *Enterococcus faecalis* and *Citrobacter freundii*.

**Keywords:** *Gotu Kola Leaf; Enterococcus faecalis and Citrobacter freundii; Antibacterial potential*

*Enterococcus faecalis* dan *Citrobacter freundii* merupakan bakteri yang dapat ditemukan dalam sistem pencernaan sama seperti *Escherichia coli* dan dapat memasuki saluran pencernaan bersama makanan dan minuman yang mengandung bakteri tersebut.

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Kandungan fitokimia dari Daun Pegagan (*Centella asiatica* (Linn.) Urban) yaitu tannin, flavonoid, steroid, terpenoid, dan alkaloid, yang telah terbukti memiliki aktivitas sebagai antibakteri. Tujuan penelitian ini adalah untuk menentukan potensi antibakteri ekstrak etanol Daun Pegagan (*Centella asiatica* (L.) Urban.) terhadap pertumbuhan *Enterococcus faecalis* dan *Citrobacter freundii*. Simplisia Daun Pegagan diekstraksi menggunakan metode maserasi dengan etanol 96% sebagai cairan penyari, kemudian diuji potensi antibakterinya dengan metode *disc diffusion*. Hasil menunjukkan bahwa konsentrasi optimal ekstrak etanol Daun Pegagan untuk kedua bakteri uji adalah 8%. Kesimpulan dari penelitian ini, ekstrak etanol Daun Pegagan memiliki potensi antibakteri terhadap *Enterococcus faecalis* dan *Citrobacter freundii*.

**Kata Kunci :** Daun Pegagan; *Enterococcus faecalis* dan *Citrobacter freundii*; Potensi antibakteri

## Indexing

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Agencies —

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## #2666 Review

SUMMARY **REVIEW** EDITING

### Submission

Authors St. Ratnah, Alfrida Monica Salasa, Dwi Rachmawaty Daswi, Arisanty Arisanty

Title Potensi Antibakteri Ekstrak Etanol Daun Pegagan (*Centella asiatica* (L.) Urban) Terhadap Pertumbuhan *Enterococcus faecalis* dan *Citrobacter freundii*

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