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#1411 Summary

SUMMARY REVIEW EDITING

Submission

Authors	St. Ratnah, Alfrida Monica Salasa
Title	EFEKTIFITAS EKSTRAK BIJI BUAH KELENGKENG (Euphoria longan Stend) TERHADAP PERTUMBUHAN <i>Staphylococcus aureus</i> dan <i>Propionibacterium acne</i>
Original file	1411-5657-2-SM.DOCX 2020-02-25
Supp. files	None
Submitter	Alfrida Monica Salasa
Date submitted	February 25, 2020 - 06:52 AM
Section	Articles
Editor	Hesty Setiawati
Abstract Views	873

Status

Status	Published Vol 16, No 1 (2020): Media Farmasi
Initiated	2020-05-11
Last modified	2021-05-03

Submission Metadata

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Title and Abstract

Title EFEKTIFITAS EKSTRAK BIJI BUAH KELENGKENG (Euphoria longan Stend) TERHADAP PERTUMBUHAN *Staphylococcus aureus* dan *Propionibacterium acne*

Abstract

Although longan fruit seeds are waste, they contain phytochemical compounds that can be used as antibacterial. The purpose of this study is to determine the Minimum Inhibitory Concentration (MIC) and Minimum Killing Concentration (MKC) of longan seeds extract on the growth of *Staphylococcus aureus* and *Propionibacterium acnes*. The test material was made from dry simplicial and was extracted using 96% ethanol through the sokhletation method. Additionally, the MIC and MKC values were tested using the liquid dilution method. The results indicate that the Minimum Inhibitory Concentration of longan fruit extract on the growth of *Staphylococcus aureus* and *Propionibacterium acne* is 2% w / v while the Minimum Killing Concentration for both bacteria is 3% w / v.

Keywords: Extraction, MIC, MKC, *Staphylococcus aureus*, and *Propionibacterium acne*

Biji Buah Kelengkeng merupakan limbah, tetapi mengandung senyawa fitokimia yang dapat dimanfaatkan baik sebagai antibakteri.. Tujuan penelitian ini adalah untuk menentukan konsentrasi *Minimum Inhibitory Concentration* (MIC) dan *Minimum Killing Concentration* (MKC) dari ekstrak biji buah kelengkeng terhadap pertumbuhan *Staphylococcus aureus* dan *Propionibacterium acne*. Bahan uji dibuat simplisia kering, diekstraksi dengan etanol 96 % dengan metode sokhletasi, diuji nilai MIC dan MKC dengan metode dilusi cair. Hasil yang diperoleh menunjukkan bahwa *Minimum Inhibitory Concentration* ekstrak biji buah kelengkeng terhadap pertumbuhan *Staphylococcus aureus* dan *Propionibacterium acne* adalah 2 %b/v dan *Minimum Killing Concentration* untuk kedua bakteri tersebut adalah 3 %b/v.

Kata Kunci : Ekstraksi, MIC, MKC, *Staphylococcus aureus* dan *Propionibacterium acne*

Indexing

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#1411 Review

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Authors St. Ratnah, Alfrida Monica Salasa

Title EFEKTIFITAS EKSTRAK BIJI BUAH KELENGKENG (Euphoria longan Stend) TERHADAP PERTUMBUHAN Staphylococcus aureus dan Propionibacterium acne

Section Articles

Editor Hesty Setiawati

Peer Review

Round 1

Review Version [1411-5658-3-RV.DOCX](#) 2020-03-29

Initiated 2020-03-27

Last modified 2020-04-10

Uploaded file Reviewer B [1411-5976-1-RV.DOCX](#) 2020-04-10
Reviewer A [1411-5936-1-RV.DOCX](#) 2020-04-04

Editor Decision

Decision Accept Submission 2020-04-20

Notify Editor Editor/Author Email Record 2020-04-10

Editor Version [1411-5856-1-ED.DOCX](#) 2020-03-27
[1411-5856-2-ED.DOCX](#) 2020-03-29

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Editor Hesty Setiawati

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: 1411-6031-1-CE.DOCX 2020-04-20	2020-04-20	—	2020-04-22
2. Author Copyedit File: 1411-6031-3-CE.DOCX 2020-05-02 <input type="button" value="Pilih File"/> Tidak ada file yang dipilih <input type="button" value="Upload"/>	2020-05-01	2020-05-02	2020-05-02
3. Final Copyedit File: 1411-6031-5-CE.DOCX 2020-05-02	2020-05-02	—	2020-05-02

Copyedit Comments No Comments

Layout

Galley Format	FILE	
1. PDF (Bahasa Indonesia) VIEW PROOF	1411-6167-3-PB.PDF 2020-11-18	347
Supplementary Files	FILE	None

Layout Comments No Comments

Proofreading

REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Author	2020-05-10	2022-09-27	
2. Proofreader	2020-05-10	—	2020-05-10
3. Layout Editor	2020-05-10	—	2020-05-10

Proofreading Corrections No Comments [PROOFING INSTRUCTIONS](#)

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