

ANALISIS KADAR FENOLIK DAN FLAVONOID TOTAL EKSTRAK DAUN KERSEN (*Muntingia calabura* L.) DENGAN PELARUT NADES (*Natural Deep Eutectic Solvents*)

Rudi Harya Kubrirahardian Sidik
Program Studi Sarjana Farmasi
Institut Kesehatan Mitra Bunda

Dosen Pembimbing Hesti Marliza, M. Si
Ghalib Syukrilah Syaputra, M.Farm

ABSTRAK

Indonesia merupakan Negara yang memiliki keanekaragaman hayati baik flora maupun fauna, terutama keanekaragaman tumbuhan yang dapat digunakan sebagai tumbuhan obat. Kersen (*Muntingia calabura* L.) merupakan tanaman yang telah lama digunakan masyarakat untuk berbagai tujuan pengobatan antara lain sebagai obat batuk, sakit kuning, dan asam urat. Penelitian ini bertujuan untuk mengetahui kadar flavonoid total ekstrak daun kersen (*Muntingia calabura* L) dengan pelarut NADES. Untuk mengetahui kadar fenol total ekstrak daun kersen (*Muntingia calabura* L) dengan pelarut NADES. Metode yang digunakan adalah UAE. Ekstrak NADES daun kersen positif mengandung flavonoid. Kadar flavonoid total ekstrak NADES daun kersen yaitu 4,409 mgEQ/gSimplisia. Ekstrak NADES daun kersen positif mengandung fenol. Kadar fenol total ekstrak NADES daun kersen yaitu 2,182 mgEQ/gSimplisia.

Kata Kunci : Daun Kersen, NADES, Fenol, Flavonoid, UAE

**ANALYSIS OF TOTAL PHENOLIC AND FLAVONOID
CONTENTS KERSEN LEAF EXTRACT (*Muntingia calabura* L.)
WITH NADES SOLVENT (*Natural Deep Eutectic Solvents*)**

Rudi Harya Kubrirahardian Sidik

Bachelor of Pharmacy Study Program

Mitra Bunda Health Institute

Supervisor

Hesti Marliza, M. Si

Ghalib Syukrilah Syaputra, M.Farm

ABSTRACT

*Indonesia is a country that has biodiversity, both flora and fauna, especially the diversity of plants that can be used as medicinal plants. Kersen (*Muntingia calabura* L.) is a plant that has long been used by people for various medicinal purposes, including as a medicine for coughs, jaundice and gout. This study aims to determine the total flavonoid content of cherry leaf extract (*Muntingia calabura* L) using NADES solvent. To determine the total phenol content of cherry leaf extract (*Muntingia calabura* L) using NADES solvent. The method used is UAE. NADES cherry leaf extract positively contains flavonoids. The total flavonoid content of NADES cherry leaf extract is 4.409 mgEQ/gSimplisia. The NADES extract of cherry leaves was positive for phenol. The total phenol content of NADES cherry leaf extract is 2,182 mgEQ/gSimplisia.*

Keywords : *Kersen Leaves, NADES, Phenols, Simplicia, Flavonoid, UAE*

Turnitin 2 Rudi

ORIGINALITY REPORT

15%

SIMILARITY INDEX

15%

INTERNET SOURCES

%

PUBLICATIONS

%

STUDENT PAPERS

PRIMARY SOURCES

1

repository.uin-alauddin.ac.id

Internet Source

4%

2

repository.poltekkespim.ac.id

Internet Source

2%

3

etheses.uin-malang.ac.id

Internet Source

1%

4

core.ac.uk

Internet Source

1%

5

repository.usu.ac.id

Internet Source

1%

6

jurnal.fkmumi.ac.id

Internet Source

1%

7

journal.uad.ac.id

Internet Source

1%

8

repository.ipb.ac.id

Internet Source

1%

9

web.stfm.ac.id

Internet Source

<1%

10	www.coursehero.com Internet Source	<1 %
11	repository.ub.ac.id Internet Source	<1 %
12	text-id.123dok.com Internet Source	<1 %
13	id.123dok.com Internet Source	<1 %
14	sinta.unud.ac.id Internet Source	<1 %
15	repo.poltekkesbandung.ac.id Internet Source	<1 %
16	prin.or.id Internet Source	<1 %
17	repository.unib.ac.id Internet Source	<1 %
18	docobook.com Internet Source	<1 %
19	ejurnalmalahayati.ac.id Internet Source	<1 %
20	library.universitaspertamina.ac.id Internet Source	<1 %
21	oamjms.eu Internet Source	<1 %

22	repo.upertis.ac.id Internet Source	<1 %
23	zaifbio.wordpress.com Internet Source	<1 %
24	123dok.com Internet Source	<1 %
25	journal.ipb.ac.id Internet Source	<1 %
26	publikasi.lldikti10.id Internet Source	<1 %
27	repository.unbl.ac.id Internet Source	<1 %
28	ejournal.poltekkes-pontianak.ac.id Internet Source	<1 %

Exclude quotes On

Exclude matches Off

Exclude bibliography On