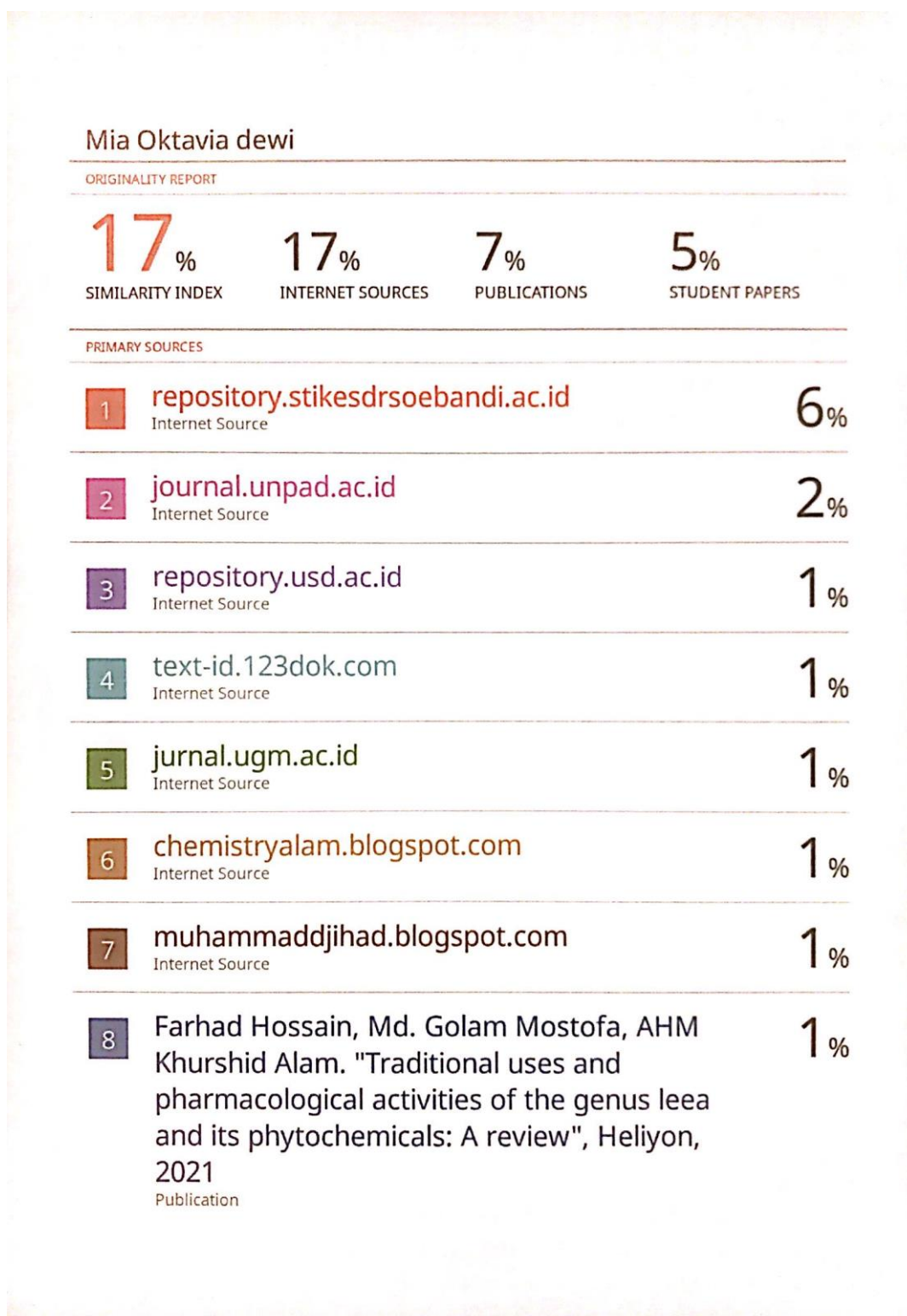


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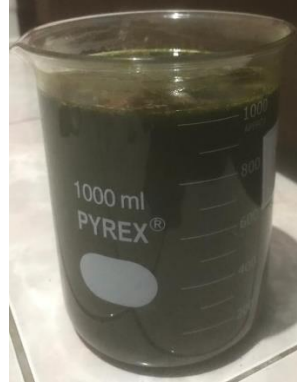
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LAMPIRAN



Lampiran 1 Menimbang sampel daun ginggang kering



Lampiran 2 Proses Pembuatan Ekstrak



Lampiran 3 Proses Ecc



Lampiran 4 Sonikator Waterbath



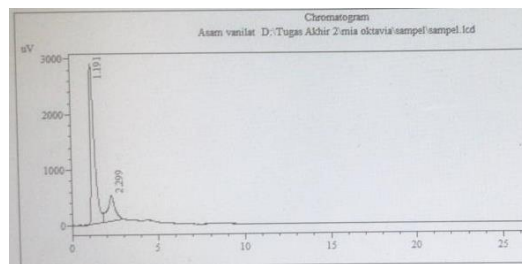
Lampiran 5 Alat KCKT



Lampiran 6 Pengentalan Ekstrak Eenggunakan Evaporator



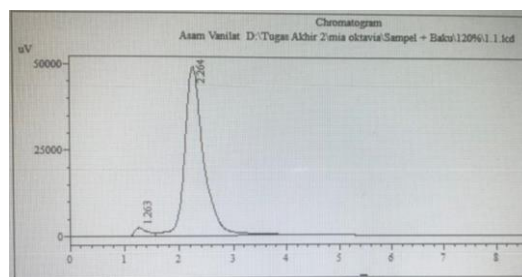
Lampiran 7 Larutan Uji



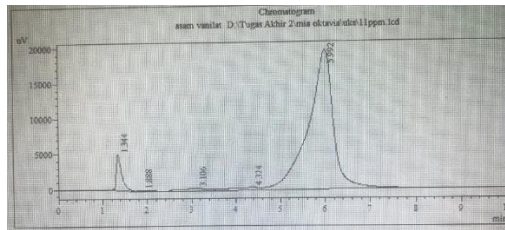
Lampiran 8 Kromatogram sampel



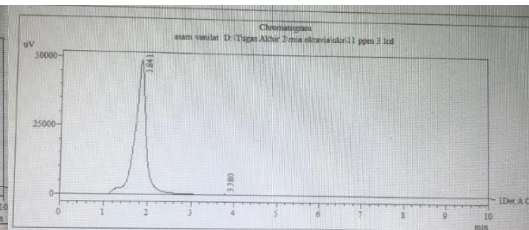
Lampiran 9 Ekstrak Kental



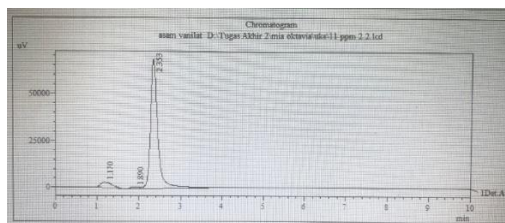
Lampiran 10 Kromatogram adisi



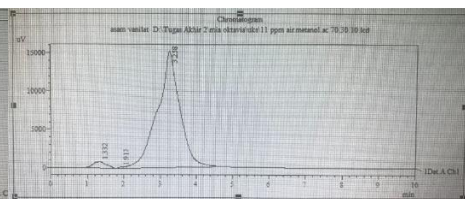
Lampiran 11 Optimasi Larutan asam asetat 0,1% dan metanol 70;30



Lampiran 12 Optimasi Larutan asam asetat 0,1% dan metanol 60;40



Lampiran 13 Optimasi Larutan air, metanol, acetonitrile 60;20;20



Lampiran 14 Optimasi Larutan air, metanol, acetonitrile 70;30;10



Lampiran 14 Baku Asam vanlat

LAMPIRAN SERTIFIKAT BAKU ASAM VANILAT

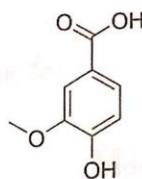


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Jl. Bukit Raya No. 582, Ciambulcuit, Cidadap, Bandung City 40142,
West Java, Indonesia
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CERTIFICATE OF ANALYSIS

For Laboratory Use Only

Product name Vanillic acid
Other names 4-hydroxy-3-methoxybenzoic acid;
4-HYDROXY-3-METHOXY
BENZOIC ACID; Acide Vanillique;
Benzoic Acid, 4-Hydroxy-3-
Methoxy-; P-Vanillic Acid; 3-
Methoxy-4-Hydroxybenzoic Acid;
Vanillate; Asam vanilat (INA)
CAS 121-34-6
Catalog No. FLV-11-1
Lot Number # 240125
Formula C₈H₈O₄
Molecular mass 168.15 g/mol
Date of sample 24/01/2024
Date of report 25/01/2024



Structure

ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	White, powder	White, powder
Purity	UPLC-PDA	> 95%	97.50%
UV spectrum	UPLC-PDA	222 nm, 261 nm, 293 nm	222 nm, 261 nm, 293 nm
Mass spectrum	UPLC-TQD MS	Conforms	Conforms
NMR	¹ H-NMR, ¹³ C-NMR	NA	NA

NA, not available

STORAGE CONDITIONS

Storage Room temperature in a dry place, keep away from direct light
Transport Room temperature

Digitally signed by
Andi Rifki Rosandy, Ph.D
Date: 25.01.2024
Bandung - Indonesia

LAMPIRAN DAFTAR RIWAYAT HIDUP



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NIM : 201FF03075

Tempat Tanggal Lahir : Bandung, 27 Oktober 2001

Alamat : perum korpri blok c20 rt03/rw05 desa Sayang, kec. Jatinangor, kab. Sumedang

Email : miaoktavia0027@gmail.com

No. Hp : 087797249322

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- Tahun 2020 – sekarang : Universitas Bhakti Kencana, S1 Sarjana Farmasi