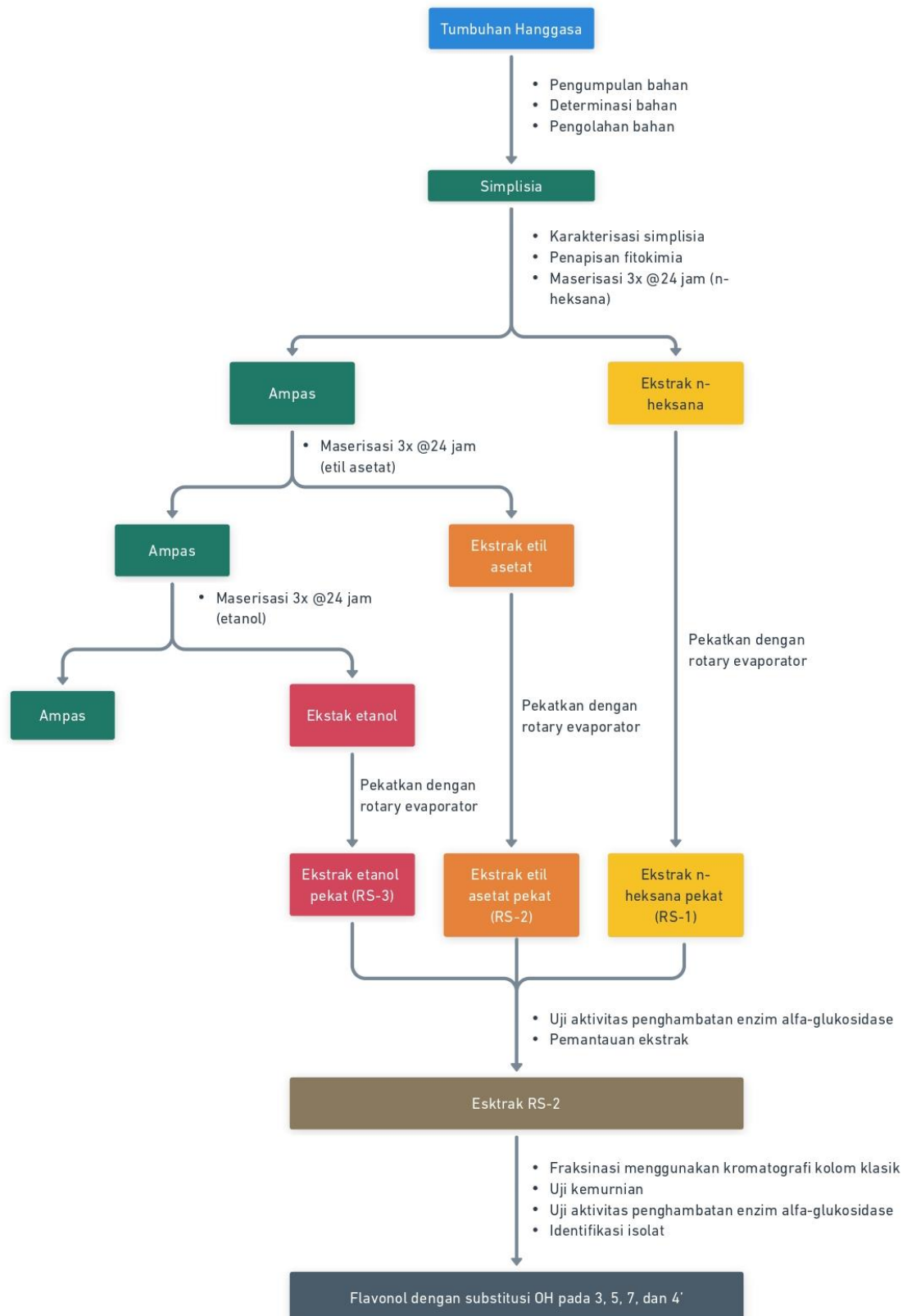


LAMPIRAN

Lampiran 1. Bagan alir penelitian



Lampiran 2. Hasil data determinasi



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Jalan Ganesa 10 Bandung 40132, Telp.: (022) 251 1575, 250 0258, Fax.: (022) 253 4107
e-mail: sith@itb.ac.id http://www.sith.itb.ac.id

Nomor : 8652/IT1.C11.2/TA.00/2022
Hal : Determinasi tumbuhan

23 Desember 2022

Kepada Yth.
Dekan
Fakultas Farmasi
Universitas Bhakti Kencana
Jalan Soekarno Hatta No. 754
Bandung

Memperhatikan surat permintaan Saudara dalam surat No. 1099/03.FF-03/UBK/XII/2022 tanggal 15 Desember 2022 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan determinasi oleh staf kami, 3 sampel tumbuhan hanggasa, berupa rimpang, daun, dan buah, yang dikirim oleh Sdr. Andi Hidayat (NPM: 191FF03079), yaitu:

No	Nama sampel	Hasil determinasi	Famili
1	Hanggasa asal Sumedang	<i>Amomum dealbatum</i> Roxb.	Zingiberaceae

Referensi:

- Newman, M., Lhuillier, A., & Poulsen, A. D. (2004). Checklist of the Zingiberaceae of Malaysia. *Blumea Supplement*, (16), 1-166.

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.



Wakil Dekan Bidang Sumber Daya,

Dr. Angga Dwiartama
NIP. 198302052012121002

Tembusan:
Dekan SITH ITB, sebagai laporan.

Lampiran 3. Cara perhitungan unit larutan enzim α -glukosidase

Label yang terdapat pada kemasan enzim α -glukosidase adalah 10,35 mg solid; 9,66 U/mg solid; 14 U/mg protein.

$$\text{Jumlah unit} = 10,35 \text{ mg} \times 9,66 \text{ U/mg} = 99,98 \text{ U} \approx 100 \text{ U}$$

Jadi, dalam 1 kemasan enzim α -glukosidase mengandung 100 unit.

Perhitungan pengenceran

1 kemasan tersebut ditambahkan 2 mL dapar fosfat pH 6,8

$$\text{Konsentrasi enzim} = \frac{100 \text{ U}}{2 \text{ mL}} = 50 \text{ U/mL}$$

Kemudian diencerkan agar didapatkan konsentrasi 20 U/mL dalam 250 μ L

$$\text{Volume yang dipipet} = \frac{20 \text{ U/mL}}{100 \text{ U/mL}} \times 250 \mu\text{L} = 50 \mu\text{L}$$

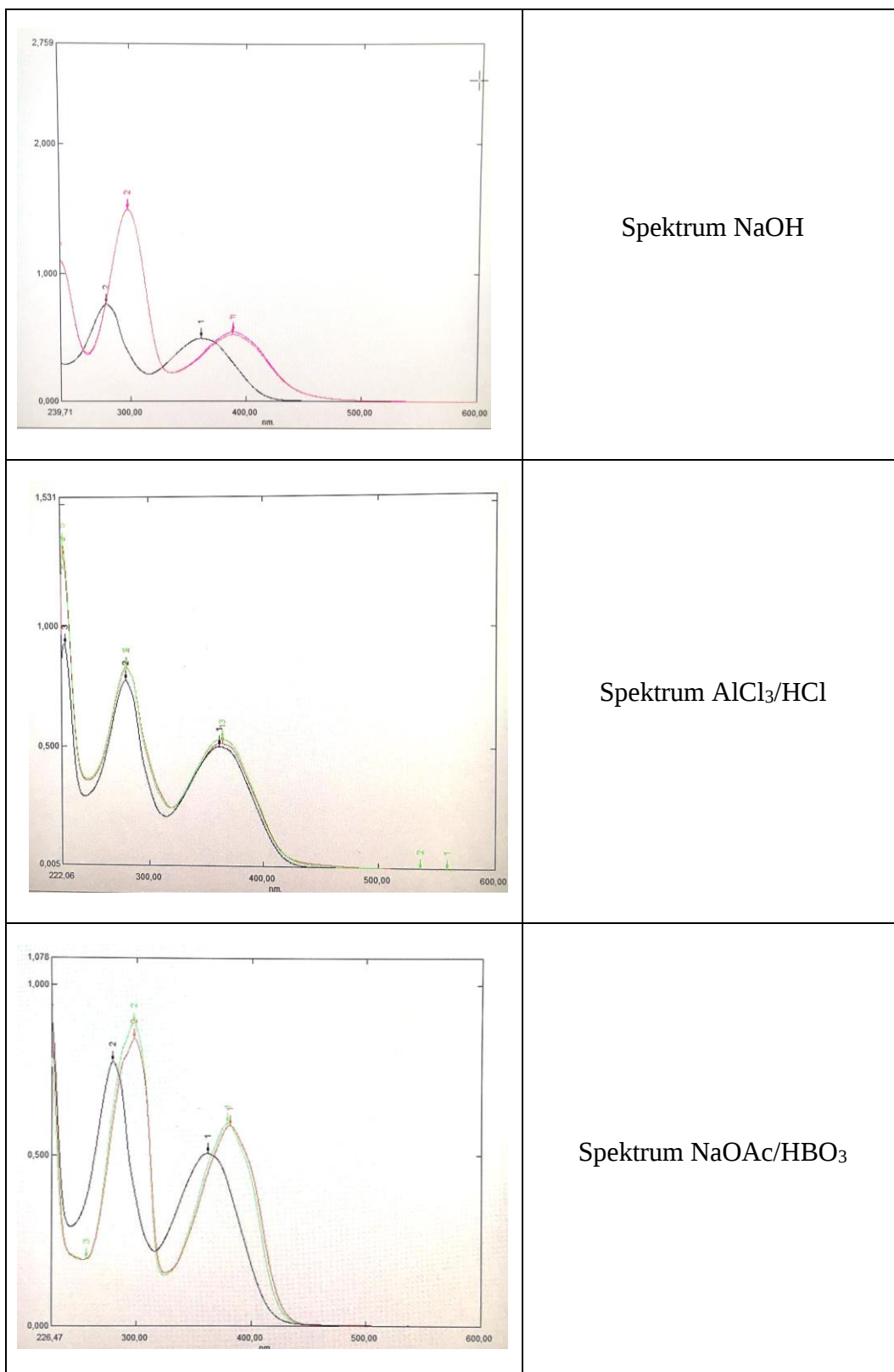
Kemudian diencerkan kembali agar didapatkan konsentrasi 1 U/mL dalam 200 μ L

$$\text{Volume yang dipipet} = \frac{1 \text{ U/mL}}{20 \text{ U/mL}} \times 250 \mu\text{L} = 10 \mu\text{L}$$

Kemudian diencerkan kembali agar didapatkan konsentrasi yang diinginkan dan jumlah larutannya, disini diambil contoh 0,075 U/mL dalam 200 μ L

$$\text{Volume yang dipipet} = \frac{0,075 \text{ U/mL}}{1 \text{ U/mL}} \times 200 \mu\text{L} = 15 \mu\text{L}$$

Lampiran 4. Spektrum UV reaksi isolat RS-2 dengan pereaksi geser



Lampiran 5. Hasil turnitin

UJI AKTIVITAS PENGHAMBATAN ENZIM ALFA-GLUKOSIDASE DARI EKSTRAK RIMPANG HANGGASA (*Amomum dealbatum* Roxb.) DAN ISOLASI DARI FRAKSI TERPILIH.pdf

ORIGINALITY REPORT

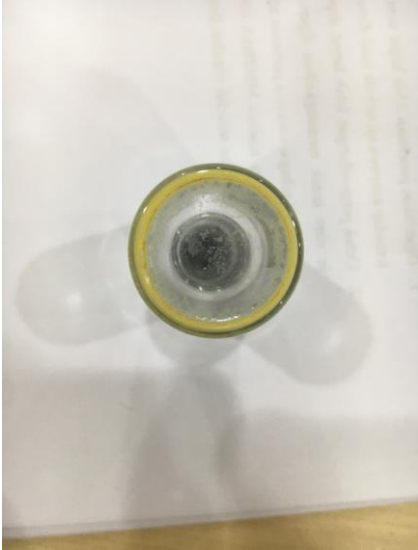
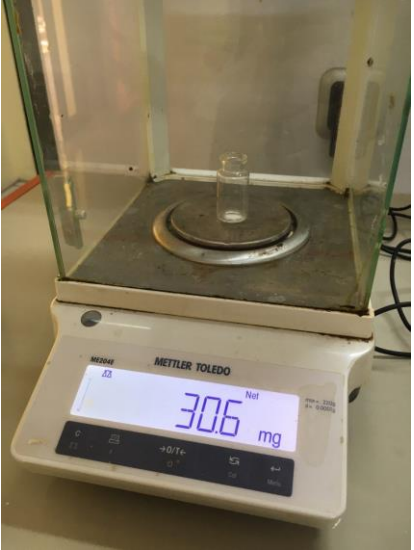
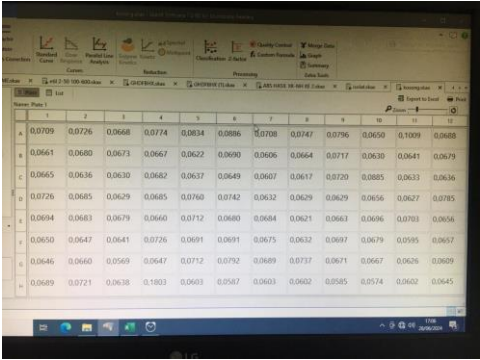
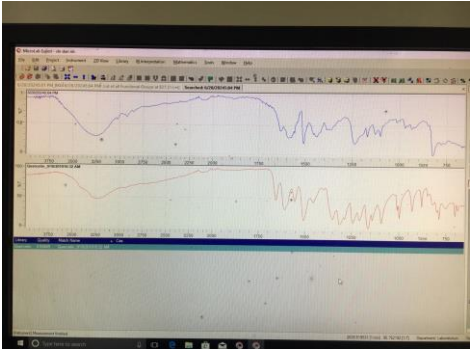
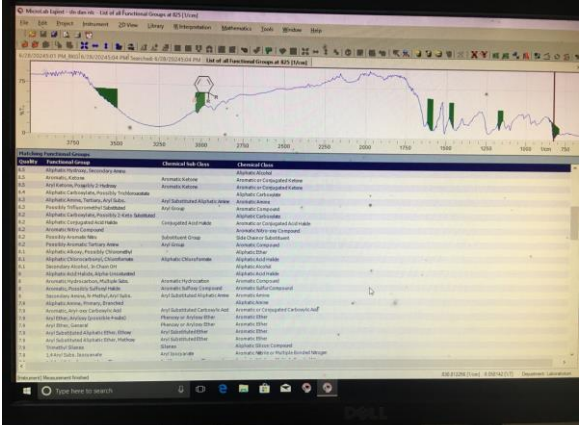
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idoc.tips

Lampiran 7. Dokumentasi penelitian

Proses pemeriksaan kristal isolat	Proses penimbangan substrat
	
Proses pengecekan absorbansi wellplate kosong	Proses pembandingan isolat dengan kuersetin menggunakan FT-IR
	
Proses interpretasi hasil FT-IR isolat	
	

Lampiran 8. CV penulis

Muhammad Firmansyah

Pharmaceutical Student

As a third-year pharmacy student, I have participated in various extracurricular activities, such as pharmaceutical conferences, volunteering, and organizing pharmaceutical awareness campaigns.

Those experiences have further enriched my knowledge of the field and helped me to develop skills such as teamwork, communication, and leadership.



Contact

Email

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Linkedln

linkedin.com/in/muhammad-firmansyah

Phone

+62 857 706 709 17

Address

Cianjur, West Java, 43253

Education

Bachelor's of Pharmacy

Bhakti Kencana University | 2020 - Present

Organization Experiences

Regional Coordinator of ISMAFARSI Priangan

ISMAFARSI | July 2022 - Present

- As a representative of the Secretary General with the regional authority and autonomy.
- Coordinating all activities to Student Executive Board in the region of Priangan.
- Coordinating periodically with regional expert staff and members.
- Reporting routinely and periodically all activities in the region to the Secretary General.

Student Executive Council Supervision

Coordinator

DPM FF UBK | Sep 2021 – July 2022

- Supervising 9 work programs of BEM FF UBK in order to achieve good conditions for organizing activities.
- Controlling student funds and inventory managed by BEM FF UBK.
- Conducting coordination meeting 3 times in a period.

Activities

AIESEC FUTURE LEADER

AIESEC in Bandung | Oct 2022 - Jan 2023

- Attending sessions every two weeks on Saturdays for 3 months.
- Activities in sessions include skill development spaces, discussion among participants & coaches, handbook fill out for self reflection & development journaling.
- Taking part in networking spaces for group discussions and sharing experiences with external groups (IR partners, external communities).

Indonesia Pharmaceutical Leadership Forum

ISMAFARSI | Feb 2022

- Participating every sessions for 4 days in Banjarbaru, Kalimantan to develop soft skill and hard skill as a pharmacist.
- Introducing powder traditional medicine (Red Ginger) and demonstrating production process to community.

Achievements

Most Improved Participant

Global LiT IPSF 2023 | Aug 2023

2nd Winner of Essay Competition

Pharmacovent 9th UHAMKA | July 2023

1st Winner of Most Outstanding Student

Bhakti Kencana University | Apr 2023

3rd Winner of Packaging Design Competition

Gelora Purwafest | Feb 2023

2nd Winner of Poster Competition

Pharmacovorev UNSIKA | Des 2022

1st Winner of Essay Competition

Pharmacy Festival UNIB | Nov 2022

1st Winner of Promotion Video Competition

Bhakti Kencana University | Mar 2022

2nd Winner of Kastrad Essay Competition

ISMAFARSI Priangan | Oct 2021