

DAFTAR PUSTAKA

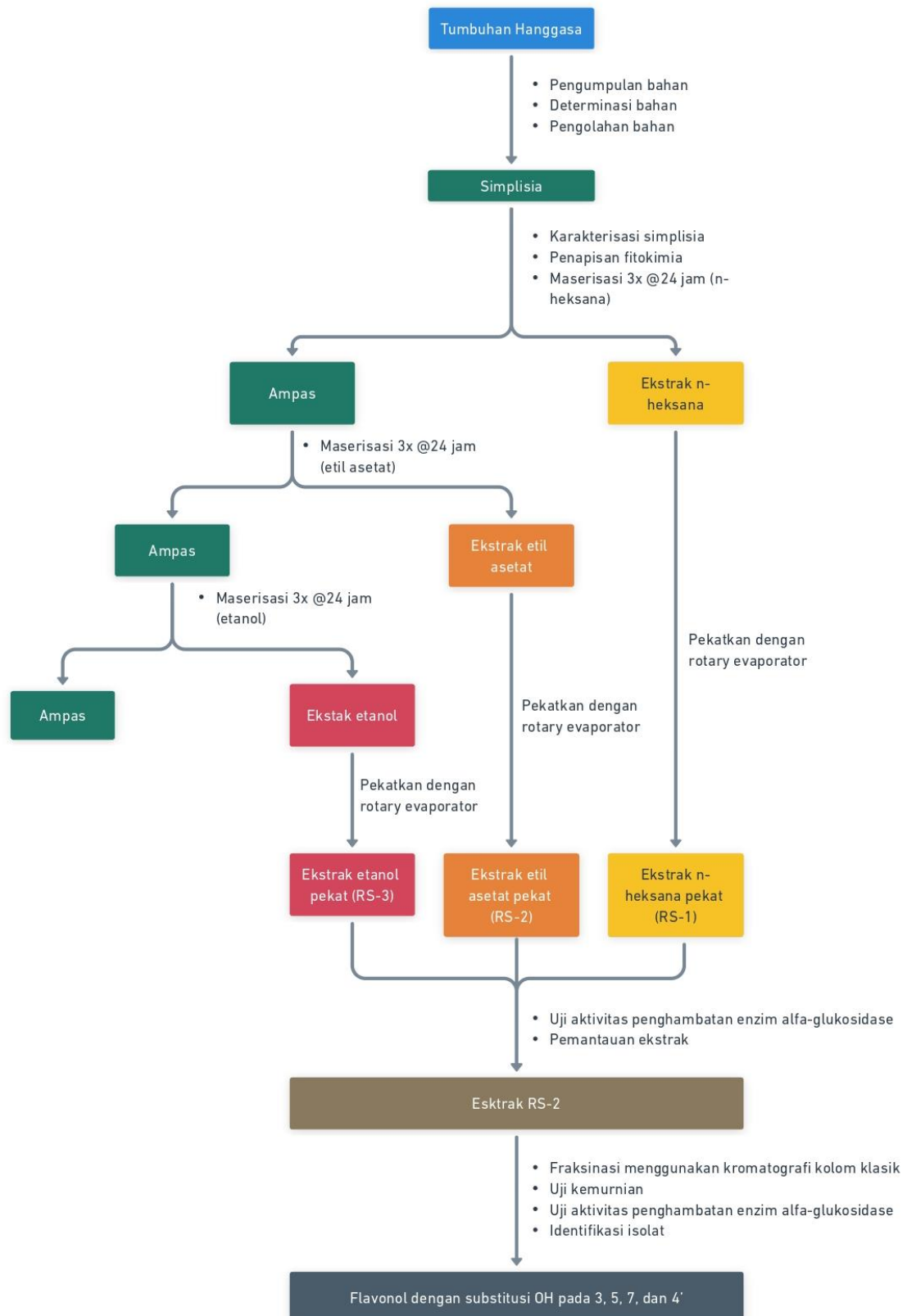
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LAMPIRAN

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 Malesia. *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

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

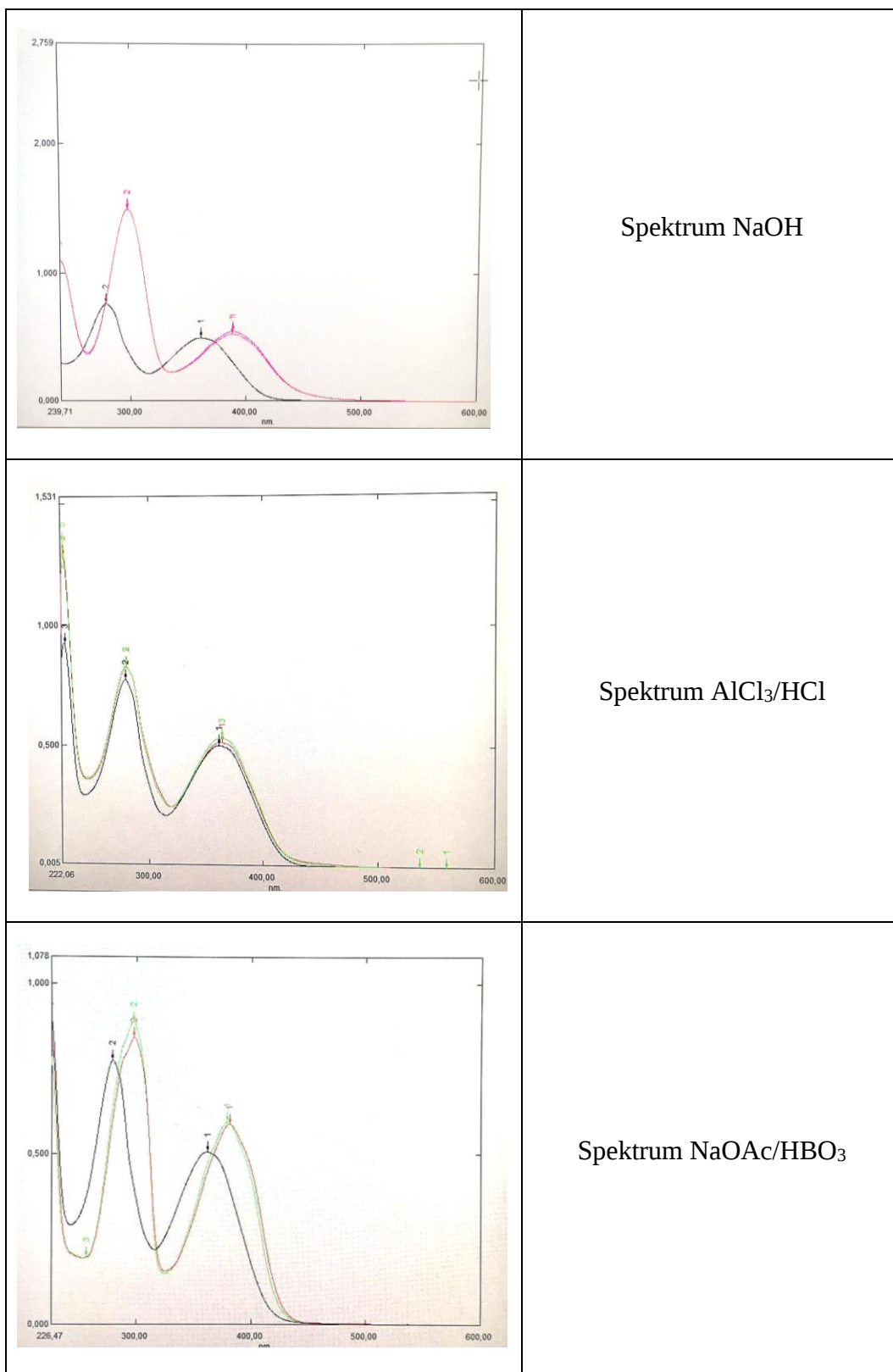
Kemudian diencerkan kembali agar didapatkan konsentrasi 1 U/mL dalam 200 μ L

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

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

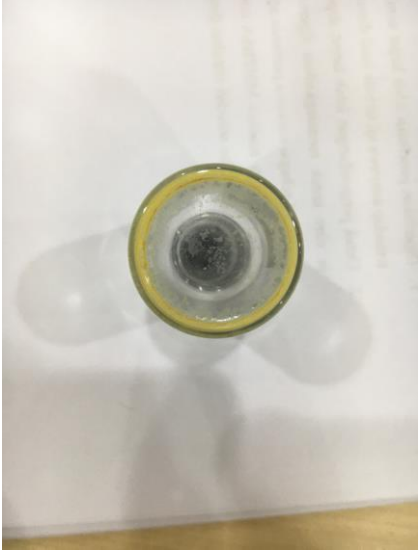
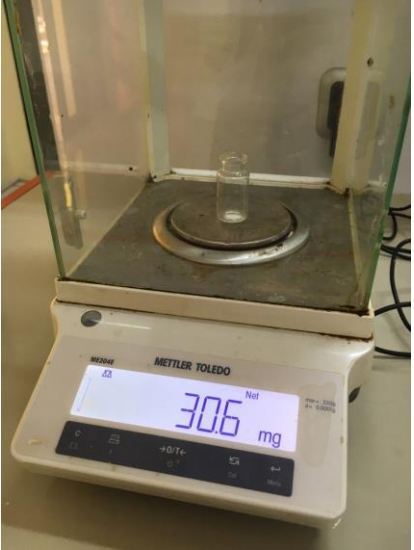
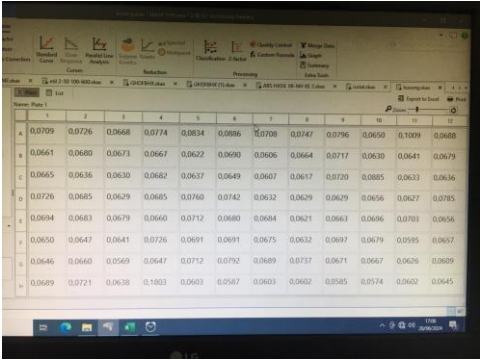
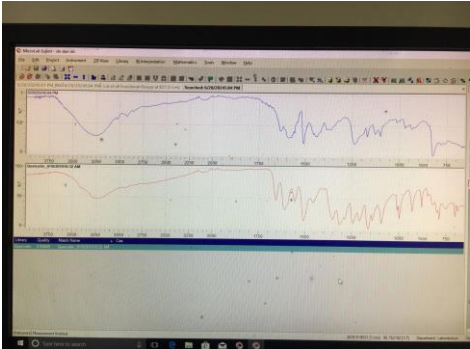
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Lampiran 7. Dokumentasi penelitian

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	
