

DAFTAR ISI

LEMBAR PERSETUJUAN	Error! Bookmark not defined.
LEMBAR PENGESAHAN	Error! Bookmark not defined.
LEMBAR PERNYATAAN	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
DAFTAR ISI	viii
DAFTAR TABEL	xi
DAFTAR GAMBAR	xii
DAFTAR LAMPIRAN	xiv
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Rumusan Masalah.....	Error! Bookmark not defined.
1.3 Tujuan Penelitian.....	Error! Bookmark not defined.
1.4 Manfaat Penelitian.....	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA	Error! Bookmark not defined.
2.1 Tanaman <i>Begonia heracleifolia</i> Schltld. & Cham. Error! Bookmark not defined.	Bookmark not defined.
2.1.1 Klasifikasi Tanaman.....	Error! Bookmark not defined.
2.1.2 Morfologi Tanaman	Error! Bookmark not defined.
2.2 Kandungan Kimia Begonia	Error! Bookmark not defined.
2.3 Infeksi Kulit.....	Error! Bookmark not defined.
2.4 Pengobatan Infeksi Kulit	Error! Bookmark not defined.
2.5 Antibiotik Amoxicillin	Error! Bookmark not defined.
2.6 Simplisia	Error! Bookmark not defined.
2.7 Metode Ekstraksi	Error! Bookmark not defined.

2.8	Bakteri	Error! Bookmark not defined.
2.8.1	<i>Staphylococcus aureus</i>	Error! Bookmark not defined.
2.9	Media Pertumbuhan Bakteri	Error! Bookmark not defined.
2.10	Skrining Fitokimia	Error! Bookmark not defined.
2.11	Metode Pengujian Antibakteri	Error! Bookmark not defined.
2.12	Metode Pengujian Antibakteri	Error! Bookmark not defined.
2.13	<i>Liquid Chromatography-Mass Spectrometry (LC-MS)</i>	Error! Bookmark not defined.
2.14	Penelitian Relevan	Error! Bookmark not defined.
BAB III METODELOGI PENELITIAN		Error! Bookmark not defined.
3.1	Jenis dan Rancangan Penelitian	Error! Bookmark not defined.
3.2	Populasi dan Sampel	Error! Bookmark not defined.
3.3	Alat dan Bahan Penelitian	Error! Bookmark not defined.
3.3.1	Alat Penelitian	Error! Bookmark not defined.
3.3.2	Bahan Penelitian	Error! Bookmark not defined.
3.4	Tempat dan Waktu Penelitian	Error! Bookmark not defined.
3.5	Prosedur Penelitian	Error! Bookmark not defined.
3.5.1	Determinasi Tanaman	Error! Bookmark not defined.
3.5.2	Penyiapan Sempel	Error! Bookmark not defined.
3.5.3	Ekstraksi	Error! Bookmark not defined.
3.5.4	Skrining Fitokimia	Error! Bookmark not defined.
3.6	Pengujian Bioaktivitas Antibakteri	Error! Bookmark not defined.
3.6.1	Sterilisasi Alat	Error! Bookmark not defined.
3.6.2	Pembuatan Larutan Kontrol Positif dan Negatif	Error! Bookmark not defined.
3.6.3	Pembuatan Media Nutrient Agar (NA)	Error! Bookmark not defined.
3.6.4	Peremajaan Kultur Murni Bakteri Uji	Error! Bookmark not defined.

3.6.5 Pembuatan Suspensi Bakteri	Error! Bookmark not defined.
3.6.6 Pengujian Antibakteri.....	Error! Bookmark not defined.
3.7 <i>Liquid Chromatography-Mass Spectrometry</i> (LC-MS)	Error! Bookmark not defined.
3.8 Analisis	Error! Bookmark not defined.
3.9 Diagram Alir Penelitian.....	Error! Bookmark not defined.
BAB IV HASIL DAN PEMBAHASAN	Error! Bookmark not defined.
4.1 Determinasi Tanaman.....	Error! Bookmark not defined.
4.2 Ekstraksi	Error! Bookmark not defined.
4.3 Skrining fitokimia.....	Error! Bookmark not defined.
4.4 Uji Antibakteri.....	Error! Bookmark not defined.
4.5 Uji Statiska Antibakteri	Error! Bookmark not defined.
4.6 Uji <i>Liquid Chromatography-Mass Spectrometry</i> (LC-MS)	Error! Bookmark not defined.
BAB V KESIMPULAN DAN SARAN	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.
LAMPIRAN.....	Error! Bookmark not defined.
RIWAYAT PENULIS.....	Error! Bookmark not defined.

DAFTAR TABEL

Tabel 2. 1 Klasifikasi Zona Hambat Berdasarkan Davis and Stout (1971)... **Error! Bookmark not defined.**

Tabel 2. 2 Penelitian Relevan.....**Error! Bookmark not defined.**

Tabel 4. 1 Hasil Rendemen Ekstrak Daun *Begonia heracleifolia*..... **Error! Bookmark not defined.**

Tabel 4. 2 Hasil Organoleptik Ekstrak Daun *Begonia heracleifolia*..... **Error! Bookmark not defined.**

Tabel 4. 3 Hasil Uji Skrinning Fitokimia Ekstrak *Begonia heracleifolia*..... **Error! Bookmark not defined.**

Tabel 4. 4 Hasil Uji Aktivitas Antibakteri terhadap *S. aureus***Error! Bookmark not defined.**

Tabel 4. 5 Hasil Uji Karakterisasi dengan LC-MS**Error! Bookmark not defined.**



DAFTAR GAMBAR

Gambar 2. 1 *Begonia heracleifolia* (Dokumen Pribadi, 2024). **Error! Bookmark not defined.**

Gambar 2. 2 Struktur senyawa *tamarixetin 3-O-rhamnoglucoside*..... **Error! Bookmark not defined.**

Gambar 2. 3 Senyawa Stigmasterol..... **Error! Bookmark not defined.**

Gambar 2. 4 Senyawa Kampesterol **Error! Bookmark not defined.**

Gambar 2. 5 Senyawa Skualene **Error! Bookmark not defined.**

Gambar 2. 6 Senyawa Gamma Sitosterol..... **Error! Bookmark not defined.**

Gambar 2. 7 Senyawa Alpha Ergosterol **Error! Bookmark not defined.**

Gambar 2. 8 Senyawa Neupitadin **Error! Bookmark not defined.**

Gambar 2. 9 Senyawa Asam Palmitat **Error! Bookmark not defined.**

Gambar 2. 10 Senyawa Etil Palmitat..... **Error! Bookmark not defined.**

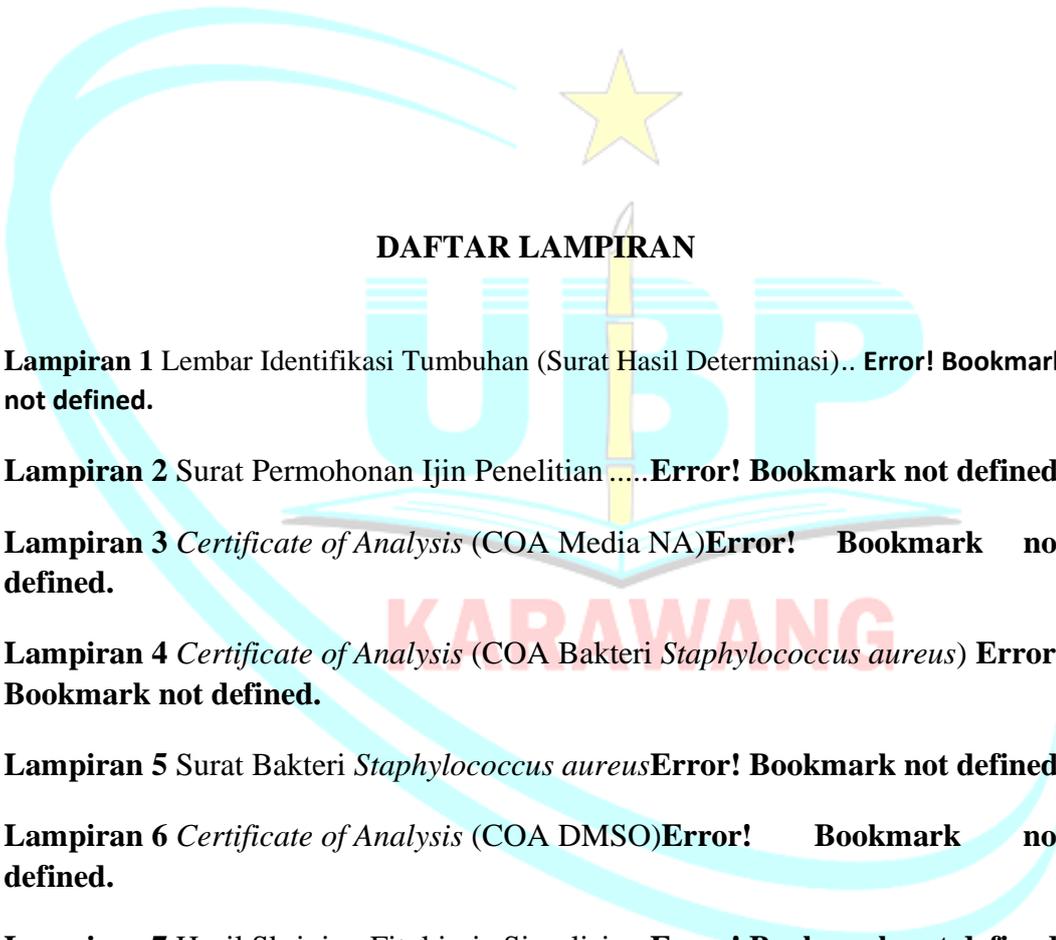
Gambar 2. 11 Senyawa Etil Lenoleat **Error! Bookmark not defined.**

Gambar 2. 12 Struktur Kimia Amoxicillin (Kurniawan *et al.*, 2023). **Error! Bookmark not defined.**

Gambar 2. 13 *Staphylococcus aureus* **Error! Bookmark not defined.**

Gambar 2. 14 Struktur Alkaloid **Error! Bookmark not defined.**

Gambar 2. 15 Struktur Flavonoid	Error! Bookmark not defined.
Gambar 2. 16 Subkelas Flavonoid.....	Error! Bookmark not defined.
Gambar 2. 17 Struktur Tanin	Error! Bookmark not defined.
Gambar 2. 18 Struktur Kuinon	Error! Bookmark not defined.
Gambar 2. 19 Struktur Saponin	Error! Bookmark not defined.
Gambar 2. 20 Struktur Fenolik	Error! Bookmark not defined.
Gambar 2. 21 Struktur Monoterpen.....	Error! Bookmark not defined.
Gambar 2. 22 Struktur Seskuiterpen.....	Error! Bookmark not defined.
Gambar 2. 23 Struktur Diterpen	Error! Bookmark not defined.
Gambar 2. 24 Struktur Triterpen	Error! Bookmark not defined.
Gambar 2. 25 Struktur Tetraterpen.....	Error! Bookmark not defined.
Gambar 2. 26 Struktur Steroid.....	Error! Bookmark not defined.
Gambar 3. 1 Diagram Alir Penelitian.....	Error! Bookmark not defined.
Gambar 4. 1 Grafik Perbandingan Konsentrasi Ekstrak Etanol	Error! Bookmark not defined.



DAFTAR LAMPIRAN

Lampiran 1 Lembar Identifikasi Tumbuhan (Surat Hasil Determinasi).. **Error! Bookmark not defined.**

Lampiran 2 Surat Permohonan Ijin Penelitian**Error! Bookmark not defined.**

Lampiran 3 *Certificate of Analysis* (COA Media NA)**Error! Bookmark not defined.**

Lampiran 4 *Certificate of Analysis* (COA Bakteri *Staphylococcus aureus*) **Error! Bookmark not defined.**

Lampiran 5 Surat Bakteri *Staphylococcus aureus***Error! Bookmark not defined.**

Lampiran 6 *Certificate of Analysis* (COA DMSO)**Error! Bookmark not defined.**

Lampiran 7 Hasil Skrining Fitokimia Simplisia...**Error! Bookmark not defined.**

Lampiran 8 Hasil Skrining Fitokimia Ekstrak Etanol 96%**Error! Bookmark not defined.**

Lampiran 9 Perhitungan Rendemen Ekstrak.....**Error! Bookmark not defined.**

Lampiran 10 Perhitungan Pembuatan Larutan Konsentrasi Ekstrak..... **Error! Bookmark not defined.**

Lampiran 11 Hasil Zona Hambat Uji Antibakteri *Staphylococcus aureus* .. **Error! Bookmark not defined.**

Lampiran 12 Preparasi Larutan Uji ANTIBAKTERI *Staphylococcus aureus***Error! Bookmark not defined.**

Lampiran 13 Perhitungan Zona Hambat Ekstrak Daun *Begonia heracleifolia***Error! Bookmark not defined.**

Lampiran 14 Hasil Analisis *One Way ANOVA* Etanol 96%**Error! Bookmark not defined.**

Lampiran 15 Proses Perlakuan Saat Pengujian**Error! Bookmark not defined.**

Lampiran 16 Pengujian *Liquid Chromatography–Mass Spectrometry* (LC-MS)**Error! Bookmark not defined.**

Lampiran 17 Hasil Analisis Kromatografi LC-MS Ekstrak Etanol 96% **Error! Bookmark not defined.**

