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 ..... **ix**
DAFTAR TABEL ..... **xi**
DAFTAR GAMBAR ..... **xii**
DAFTAR LAMPIRAN ..... **xiii**
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 Rami (*Boehmeria nivea* L.) ..... **Error! Bookmark not defined.**
2.1.1. Taksonomi Rami ..... **Error! Bookmark not defined.**
2.2 Stevia (*Stevia rebaudiana*) ..... **Error! Bookmark not defined.**
2.2.1. Taksonomi Stevia ..... **Error! Bookmark not defined.**
2.3 Kayu Manis (*Cinnamomum Burmannii*) .... **Error! Bookmark not defined.**
2.3.1. Taksonomi Kayu Manis ..... **Error! Bookmark not defined.**
2.4 Teh herbal ..... **Error! Bookmark not defined.**
2.5 Diabetes ..... **Error! Bookmark not defined.**
2.6 Hipotesis ..... **Error! Bookmark not defined.**
BAB III METODE PENELITIAN ..... Error! Bookmark not defined.
3.1 Jenis dan Rancangan Penelitian ..... **Error! Bookmark not defined.**
3.2 Alat dan Bahan ..... **Error! Bookmark not defined.**
3.2.1. Alat ..... **Error! Bookmark not defined.**

3.2.2. Bahan .....**Error! Bookmark not defined.**
3.3 Waktu dan Lokasi Penelitian.....**Error! Bookmark not defined.**
3.4 Variabel Penelitian .....**Error! Bookmark not defined.**
3.4.1 Variabel Bebas .....**Error! Bookmark not defined.**
3.4.2 Variabel terikat.....**Error! Bookmark not defined.**
3.5 Definisi Operasional Variabel .....**Error! Bookmark not defined.**
3.6 Prosedur Penelitian.....**Error! Bookmark not defined.**
3.6.1 Tahapan Penelitian.....**Error! Bookmark not defined.**
3.6.2 Formulasi Teh herbal .....**Error! Bookmark not defined.**
3.6.3 Uji Organoleptik .....**Error! Bookmark not defined.**
3.6.4 Uji Total Fenolik.....**Error! Bookmark not defined.**
3.6.5 Uji *in-silico Molecular Docking* .....**Error! Bookmark not defined.**
3.6.6 Uji *in-vitro* Penghambatan α-Amilase **Error! Bookmark not defined.**
3.6.7 Uji *in-vivo* Penghambatan Antidiabetes..... **Error! Bookmark not defined.**
3.7 Analisis Data .....**Error! Bookmark not defined.**
BAB IV HASIL DAN PEMBAHASAN ..... Error! Bookmark not defined.
4.1 Uji Organoleptik.....**Error! Bookmark not defined.**
4.2 Uji Total Fenolik .....**Error! Bookmark not defined.**
4.3 Uji *in-silico Molecular Docking*.....**Error! Bookmark not defined.**
4.4 Uji *in-vitro* Penghambatan α-Amilase.....**Error! Bookmark not defined.**
4.5 Uji *in-vivo* Penghambatan Antidiabetes .....**Error! Bookmark not defined.**
BAB V KESIMPULAN DAN SARAN ..... Error! Bookmark not defined.
5.1. Kesimpulan.....**Error! Bookmark not defined.**
5.2. 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 3.1 Definisi operasional variabel.....**Error! Bookmark not defined.**

Tabel 3.2 Formulasi Teh herbal .....**Error! Bookmark not defined.**

Tabel 4.1 Skor Mean Organoleptik Teh Herbal Rami dengan Stevia dan Kayu Manis .....**Error! Bookmark not defined.**

Tabel 4.2 Kandungan Fenolik Total.....**Error! Bookmark not defined.**

Tabel 4.3 Hasil *Docking* Molekuler Ligan Terpilih dengan α-Glukosidase: Residu Ikatan Hidrogen, Panjang Ikatan, dan Afinitas Ikatan .....**Error! Bookmark not defined.**

Tabel 4.4 Hasil *Docking* Molekuler Ligan Terpilih dengan α-Amilase: Residu Ikatan Hidrogen, Panjang Ikatan, dan Afinitas Ikatan .....**Error! Bookmark not defined.**

Tabel 4.5 Penghambatan α-Amylase Secara in-vitro Oleh Formulasi Teh Rami ..... **Error! Bookmark not defined.**

Tabel 4.6 Kode dosis untuk uji in vivo .....**Error! Bookmark not defined.**

Tabel 4.7 Kadar glukosa darah hewan uji .....**Error! Bookmark not defined.**

UBP KARAWANG

DAFTAR GAMBAR

Gambar 2.1 Daun rami .....**Error! Bookmark not defined.**
Gambar 2.2 Daun Stevia.....**Error! Bookmark not defined.**
Gambar 2.3 Kayu Manis.....**Error! Bookmark not defined.**
Gambar 3.1 Bagan alir penelitian .....**Error! Bookmark not defined.**
Gambar 4.1 Skor evaluasi sensorik.....**Error! Bookmark not defined.**
Gambar 4.2 Kurva Standar Asam Galat.....**Error! Bookmark not defined.**
Gambar 4.3 Representasi struktur.....**Error! Bookmark not defined.**
Gambar 4.4 Representasi struktur tiga dimensi dari (a) Quercetin, (b) Rutin, dan (c) Kaempferol .....**Error! Bookmark not defined.**
Gambar 4.5 Interaksi Molekuler Quercetin dengan α-glukosidase ..... **Error! Bookmark not defined.**
Gambar 4.6 Interaksi Molekuler Rutin dengan α-glukosidase ..... **Error! Bookmark not defined.**
Gambar 4.7 Interaksi Molekuler Rutin dengan α-glukosidase ..... **Error! Bookmark not defined.**
Gambar 4.8 Interaksi Molekuler Ligan asli (turunan *acarbose*) dengan α-glukosidase **Error! Bookmark not defined.**
Gambar 4.9 Interaksi Molekuler Quercetin dengan α-amilase..... **Error! Bookmark not defined.**
Gambar 4.10 Interaksi Molekuler Rutin dengan α-amilase...**Error! Bookmark not defined.**
Gambar 4.11 Interaksi Molekuler Kaempferol dengan α-amilase..... **Error! Bookmark not defined.**
Gambar 4.12 Interaksi Molekuler Ligan asli (turunan *acarbose*) dengan α-amilase.... **Error! Bookmark not defined.**
Gambar 4.13 Glukosa Darah Selama 14 Hari Pengobatan....**Error! Bookmark not defined.**

DAFTAR LAMPIRAN

Lampiran 1. Surat Izin.....**Error! Bookmark not defined.**
Lampiran 2. Formulasi Teh Rami.....**Error! Bookmark not defined.**
Lampiran 3. Uji Total Fenol.....**Error! Bookmark not defined.**
Lampiran 4. Uji *in-vitro* .....**Error! Bookmark not defined.**
Lampiran 5. Uji *in-vivo* .....**Error! Bookmark not defined.**
Lampiran 6. Perhitungan total fenol .....**Error! Bookmark not defined.**
Lampiran 7. Perhitungan Uji *in-vitro* .....**Error! Bookmark not defined.**
Lampiran 8. Gula darah *in-vivo*.....**Error! Bookmark not defined.**
Lampiran 9. Statistik Organoleptik.....**Error! Bookmark not defined.**
Lampiran 10. Statistik *in-vitro* .....**Error! Bookmark not defined.**
Lampiran 11. Statistik *in-vivo* .....**Error! Bookmark not defined.**