

DAFTAR ISI

HALAMAN JUDUL.....	i
HALAMAN PENGESAHAN.....	ii
DAFTAR ISI.....	iv
DAFTAR TABEL	v
DAFTAR GAMBAR	vi
Abstrak.....	vii
BAB I PENDAHULUAN	1
1.1. Latar Belakang	Err
or! Bookmark not defined.	
1.2. Rumusan Masalah	Err
or! Bookmark not defined.	
1.3. Tujuan Penelitian	Err
or! Bookmark not defined.	
1.3.1. Tujuan umum	3
1.3.2. Tujuan Khusus	4
1.4. Keaslian Penelitian	Err
or! Bookmark not defined.	
1.5. Manfaat Penelitian	Err
or! Bookmark not defined.	
BAB II TINJAUAN PUSTAKA	Err
or! Bookmark not defined.	
2.1. Tinjauan Pustaka	Err
or! Bookmark not defined.	
2.1.1. Ginjal dan model gagal ginjal	Err
or! Bookmark not defined.	
2.1.2. Gagal Ginjal dengan fibrosis ginjal: Peran sentral sel interstisial ginjal dan growth factor	

.....	Err
or! Bookmark not defined.	
2.1.3. Chlorogenic acid	
.....	1Er
ror! Bookmark not defined.	
2.1.4. TGF β 1	
.....	Err
or! Bookmark not defined.	
2.1.5. Smad7	
.....	Err
or! Bookmark not defined.	
2.1.6. Alpha-Smooth Muscle Actin (α -SMA)	
.....	Err
or! Bookmark not defined.	
2.2. Kerangka Teori	
.....	Err
or! Bookmark not defined.	
2.3. Kerangka Konsep	
.....	Err
or! Bookmark not defined.	
2.4.Hipotesis	
.....	Err
or! Bookmark not defined.	
BAB III METODE PENELITIAN	
.....	Err
or! Bookmark not defined.	
3.1 Desain Penelitian	
.....	Err
or! Bookmark not defined.	
3.2. Populasi dan Subjek Penelitian	
.....	Err
or! Bookmark not defined.	
3.2.1. Kriteria Eligibilitas Subjek Penelitian	
.....	Err
or! Bookmark not defined.	
3.2.2. Perhitungan besar sampel penelitian	
.....	Err
or! Bookmark not defined.	
3.3. Waktu, Lokasi, dan Izin Penelitian	

.....	Err
or! Bookmark not defined.	
3.4. Definisi Operasional dan Variabel Penelitian	
.....	Err
or! Bookmark not defined.	
3.4.1. Variabel Penelitian	
.....	Err
or! Bookmark not defined.	
3.5. Rancangan Prosedur Penelitian	
.....	Err
or! Bookmark not defined.	
3.5.2. Tahap Koleksi Data	
.....	Err
or! Bookmark not defined.	
3.5.2.1. Pembuatan cDNA (complementary DNA)	
.....	Err
or! Bookmark not defined.	
3.5.3. Pemeriksaan Sampel	
.....	Err
or! Bookmark not defined.	
3.5.3.1. RT-PCR	
.....	Err
or! Bookmark not defined.	
3.5.3.2. qRT -PCR	
.....	Err
or! Bookmark not defined.	
3.5.3.3. Elektroforesis	
.....	Err
or! Bookmark not defined.	
3.5.3.4. Prosedur Imunohistokimia	
.....	Err
or! Bookmark not defined.	
3.5.4. Analisis Data dan Pelaporan	
.....	Err
or! Bookmark not defined.	
BAB IV HASIL PENELITIAN DAN PEMBAHASAN	
.....	Err
or! Bookmark not defined.	
4.1. Hasil Penelitian	

.....	Err
or! Bookmark not defined.	
4.1.1. Ekspresi mRNA TGF β -1	
.....	Err
or! Bookmark not defined.	
4.1.2. Ekspresi mRNA Smad7	
.....	Err
or! Bookmark not defined.	
4.1.3. Ekspresi protein α -SMA	
.....	Err
or! Bookmark not defined.	
4.1.4. Ekspresi mRNA α -SMA	
.....	Err
or! Bookmark not defined.	
4.1.5. Ekspresi mRNA Collagen-1	
.....	Err
or! Bookmark not defined.	
4.2. Pembahasan	
.....	Err
or! Bookmark not defined.	
BAB V PENUTUP	
.....	Err
or! Bookmark not defined.	
5.1.Kesimpulan	
.....	Err
or! Bookmark not defined.	
5.2.Saran	
.....	Err
or! Bookmark not defined.	
5.3. Alur Penelitian	
.....	Err
or! Bookmark not defined.	
5.4. Tahapan penelitian	59
LAMPIRAN	60
1. Kelayakan Etik Penelitian	60
2. Analisis Statistik	61
DAFTAR PUSTAKA	73

DAFTAR TABEL

Tabel 1. Definisi Operasional	25
Tabel 2. Jumlah Sampel	28
Tabel 3. Primer spesifik untuk Polymerase Chain Reaction	32
Tabel 4. Tahapan Penelitian	50

DAFTAR GAMBAR

Gambar 1. Struktur kimia komponen bioaktif <i>chlorogenic acid</i> dalam kopi.....	11
Gambar 2. Kerangka teori	19
Gambar 3. Kerangka Konsep	20
Gambar 4. Ekspresi mRNA TGF- β 1/GAPDH	35
Gambar 5. Gambaran <i>band</i> ekspresi mRNA Smad7 dan GAPDH	36
Gambar 6. Ekspresi mRNA Smad7/GAPDH.....	36
Gambar 7. Gambaran mikroskopis hasil Imunohistokimia α -SMA.....	37
Gambar 8. Gambaran <i>band</i> ekspresi mRNA α -SMA dan GAPDH	39
Gambar 9. Ekspresi mRNA α -SMA/GAPDH.....	39
Gambar 10. Gambaran <i>band</i> ekspresi mRNA <i>Collagen-I</i> dan GAPDH	40
Gambar 11. Ekspresi mRNA <i>Collagen-I</i> /GAPDH.....	41