

DAFTAR ISI

	Halaman
Lembar Pengesahan	i
Ucapan Terima Kasih.....	ii
Abstract	vi
Daftar Isi.....	viii
Daftar Gambar.....	x
Daftar Lampiran	x
Daftar Singkatan.....	xi
BAB 1 PENDAHULUAN.....	1
1.1 Latar Belakang Masalah.....	1
1.2 Rumusan Masalah	5
1.3 Tujuan Penelitian.....	6
1.4 Manfaat Penelitian.....	6
BAB 2 TINJAUAN PUSTAKA.....	8
2.1 Jaringan Pulpa	8
2.2 <i>Odontoblas Like Cell</i>	9
2.3 Transforming Growth factor Beta (TGF- β 1)	11
2.4 Tumor Necrosis Factor Alpha (TNF- α)	12
2.5 Kolagen Tipe 1	13
2.6 Inflamasi	14
2.7 Proses Penyembuhan Pulpa.....	15
2.8 Buah Coklat.....	16
2.9 Buah Cokelat (<i>Theobroma cacao</i> L.)	16
2.9.1 Morfologi Buah Kakao	18
	viii

2.9.2	Kandungan Kulit Buah Coklat.....	20
2.10	Tanaman Teh Hijau (Camellia sinensis var.).....	28
2.10.1	Klasifikasi Tanaman.....	28
2.10.2	Morfologi.....	30
2.8.3	Kandungan Kimia Teh.....	30
BAB 3 KERANGKA KONSEPTUAL.....		34
3.1	Kerangka Konseptual.....	34
3.2	Hipotesis Penelitian.....	37
BAB 4 METODE PENELITIAN.....		38
4.1	Jenis Penelitian.....	38
4.2	Tempat dan Waktu Penelitian.....	38
4.3	Rancangan Penelitian.....	38
4.4	Variabel Penelitian.....	41
4.5	Definisi Operasional.....	42
4.6	Sampel dan Besar Sampel Penelitian.....	43
4.7	Alat dan Bahan Penelitian.....	44
4.8	Prosedur Penelitian.....	45
4.9	Analisis Data.....	54
4.10	Alur Penelitian.....	56
BAB 5 HASIL PENELITIAN DAN ANALISA DATA.....		57
5.1	Hasil Penelitian.....	57
5.2	Analisa data.....	59
5.2.1	Odontoblas.....	59
5.2.2	Kolagen tipe I.....	61
BAB 6 PEMBAHASAN.....		64

BAB 7 KESIMPULAN DAN SARAN	70
7.1 Kesimpulan.....	70
7.2 Saran.....	70
DAFTAR PUSTAKA	71
LAMPIRAN.....	79

DAFTAR LAMPIRAN

Lampiran 1 Dokumentasi Penelitian	79
Lampiran 2 Sertifikat Analisis Ekstrak Teh Hijau	81
Lampiran 3 Sertifikat Analisis Ekstrak Kulit buah coklat.....	82
Lampiran 4 Sertifikat Kelaikan Etik	83
Lampiran 5 Hasil Uji Statistik.....	84

DAFTAR SINGKATAN

<i>ALP</i>	= <i>Alkaline phosphatase</i>
<i>ANOVA</i>	= <i>Analysis of Variance</i>
<i>APC</i>	= <i>Antigen Presenting Cell</i>
<i>Ca(OH)₂</i>	= <i>Kalsium hidroksida</i>
<i>Erk-2</i>	= <i>Extracellular signal-regulated kinase 2</i>
<i>FGF</i>	= <i>Fibroblast Growth Factor</i>
<i>HPA</i>	= <i>Histopatologi anatomi</i>
<i>HEMA</i>	= <i>2-hydroxyethyl methacrylate</i>
<i>IHK</i>	= <i>Imunohistokimia</i>
<i>IL-1β</i>	= <i>Interleukin-1-beta</i>
<i>IL-2</i>	= <i>Interleukin-2</i>
<i>IL-4</i>	= <i>Interleukin-4</i>
<i>IL-12</i>	= <i>Interleukin-12</i>
<i>mRNA</i>	= <i>Messenger RNA</i>
<i>MTA</i>	= <i>Mineral trioxide aggregate</i>
<i>NF-κB</i>	= <i>Nuclear factor kappa B</i>
<i>OLC</i>	= <i>Odontoblast-like cell</i>
<i>PBS</i>	= <i>Phosphate buffered saline</i>
<i>PMN</i>	= <i>Polymorphonuclear leukocyte</i>
<i>ROS</i>	= <i>Reactive oxygen species</i>
<i>SC</i>	= <i>Stem cell</i>
<i>SD</i>	= <i>Standar deviasi</i>