

DAFTAR ISI

HALAMAN PENGESAHAN.....	ii
HALAMAN PERNYATAAN.....	iii
PRAKATA.....	iv
DAFTAR ISI.....	vi
DAFTAR GAMBAR.....	viii
DAFTAR TABEL.....	ix
DAFTAR SINGKATAN.....	x
ABSTRACT.....	xi
INTISARI.....	xii
BAB I. PENDAHULUAN.....	1
I.1 Latar Belakang.....	1
I.2 Rumusan Masalah.....	5
I.3 Tujuan Penelitian.....	5
I.4 Manfaat Penelitian.....	5
I.5 Keaslian Penelitian.....	6
BAB II. TINJAUAN PUSTAKA.....	8
II.1 Landasan Teori.....	8
II.2 Kerangka Teori.....	26
II.3 Kerangka Konsep.....	27
II.4 Hipotesis.....	27
BAB III. METODOLOGI PENELITIAN.....	28
III.1 Desain Penelitian.....	28
III.2 Variabel Penelitian.....	29
III.3 Definisi Operasional.....	29
III.4 Bahan dan Alat Penelitian.....	30
III.5 Jalannya Penelitian.....	32
III.6 Analisis Hasil.....	39
BAB IV. HASIL PENELITIAN DAN PEMBAHASAN.....	40
IV. 1 Hasil Penelitian.....	40

IV. 2 Pembahasan.....	47
BAB V. KESIMPULAN DAN SARAN.....	54
V. 1 Kesimpulan.....	54
V.2 Saran.....	54
DAFTAR PUSTAKA.....	55
LAMPIRAN.....	67

DAFTAR GAMBAR

Gambar 1. Sistem Urinaria (<i>National Cancer Institute</i> , 2024).....	8
Gambar 2. Struktur Anterior Ginjal (Netter, 2014)	9
Gambar 3. Tampak Potongan Koronal Ginjal (Netter, 2014)	9
Gambar 4. Glomerulus dan Tubulus Renalis (Guyton and Hall, 2011))	10
Gambar 5. Klasifikasi Gagal Ginjal Kronis (<i>Kidney Disease Improving Global Outcomes</i> , 2012).....	13
Gambar 6. Faktor Risiko Gagal Ginjal Kronis (Francis, et al., 2024).....	13
Gambar 7. Patofisiologi fibrosis pada gagal ginjal kronis (Allison, <i>et al.</i> , 2024).....	15
Gambar 8. Kerangka Teori.....	26
Gambar 9. Kerangka Konsep.....	27
Gambar 10. Rencana Penelitian.....	28
Gambar 11. Diagram Intervensi.....	34
Gambar 12. Gambaran Histopatologi Ginjal dengan Pewarnaan Sirius Red.....	42
Gambar 13. Diagram Batang Fraksi Fibrosis Interstitial Ginjal.....	44
Gambar 14. Gambar Respresentatif <i>Band</i> Elektroforesis Kolagen-1 dan B-Actin.....	45
Gambar 15. Diagram Batang Ekspresi mRNA Kolagen-1/B-Actin.....	45

DAFTAR TABEL

Tabel 1. Keaslian Penelitian.....	7
Tabel 2. Definisi Operasional.....	29
Tabel 3. Bahan dan Alat Penelitian.....	30
Tabel 4. Primer β -Actin dan Kolagen-1.....	37
Tabel 5. Pengaturan Konfigurasi RT-PCR.....	38
Tabel 6. Kelompok Hewan Coba.....	41

DAFTAR SINGKATAN

5/6-SN	: 5/6 Subtotal Nefrektomi
ASC	: <i>Adult Stem Cell</i>
CKD	: <i>Chronic Kidney Disease</i>
Coll-1	: <i>Kolagen-1</i>
ECM	: <i>Extracellular Matrix</i>
EDSC	: <i>Epidermal Stem Cell</i>
eGFR	: <i>estimated Glomerular Filtration Rate</i>
ESC	: <i>Embryonic Stem Cell</i>
ESRD	: <i>End-Stage Renal Disease</i>
GAPDH	: <i>Glyceraldehyde-3 Phosphate Dehydrogenase</i>
GGK	: <i>Gagal Ginjal Kronis</i>
HE	: <i>Hematoxylin Eosin</i>
HSC	: <i>Hematopoietic Stem Cell</i>
HUC-MSC	: <i>Human Umbilical Cord Mesenchymal Stem Cell</i>
iPSC	: <i>induced Pluripotent Stem Cell</i>
MDA	: <i>Malondialdehyd</i>
miRNA	: <i>micro Ribonucleic Acid</i>
MMP	: <i>Matrix Metalloproteinase</i>
mRNA	: <i>messenger Ribonucleic Acid</i>
MSC	: <i>Mesenchymal Stem Cell</i>
NSC	: <i>Neural Stem Cell</i>
PDGFR	: <i>Platelet-driven Growth Factor Receptor</i>
PKD	: <i>Polycystic Kidney Disease</i>
RAAS	: <i>Renin-Angiotensin-Aldosterone System</i>
ROS	: <i>Reactive Oxygen Species</i>
RRT	: <i>Renal Replacement Therapy</i>
RT-PCR	: <i>Reverse Transcriptase Polymerase Chain Reaction</i>
TGF- β 1	: <i>Transforming Growth Factor Beta 1</i>
TNF- α	: <i>Tumor Necrosis Factor α</i>
UUO	: <i>Unilateral Ureteral Obstruction</i>
YAP	: <i>Yes-Associated Protein</i>