

DAFTAR ISI

HALAMAN JUDUL.....	i
ABSTRAK.....	ii
<i>ABSTRACT</i>	iii
LEMBAR PENGESAHAN	iv
LEMBAR PERNYATAAN ORISINALITAS	v
LEMBAR PERSEMPAHAN	vi
KATA PENGANTAR	viii
DAFTAR ISI.....	ix
DAFTAR TABEL.....	xiii
DAFTAR GAMBAR	xiv
DAFTAR ISTILAH	xv
DAFTAR SIMBOL.....	xviii
DAFTAR LAMPIRAN.....	xx
Bab I PENDAHULUAN.....	1
I.1 Latar Belakang	1
I.2 Rumusan Masalah	3
I.3 Tujuan Tugas Akhir.....	3
I.4 Manfaat Tugas Akhir.....	4
I.5 Batasan dan Asumsi Tugas Akhir	5
I.6 Sistematika Laporan	5
Bab II LANDASAN TEORI	7
II.1 Literatur	7
II.1.1 Ginjal.....	7
II.1.2 Data Rekam Medis.....	9

II.1.3	<i>Data Mining</i>	9
II.1.4	Metodologi CRISP-DM	10
II.1.4.1	<i>Business Understanding Phase</i>	11
II.1.4.2	<i>Data Understanding Phase</i>	11
II.1.4.3	<i>Data Preparation Phase</i>	11
II.1.4.4	<i>Modeling Phase</i>	13
II.1.4.5	<i>Evaluation Phase</i>	13
II.1.4.6	<i>Deployment Phase</i>	14
II.1.5	<i>Machine Learning</i>	14
II.1.6	Logistic Regression.....	15
II.1.7	<i>Confusion Matrix</i>	17
II.1.7.1	<i>Accuracy</i>	18
II.1.7.2	<i>Precision</i>	19
II.1.7.3	<i>Recall</i>	19
II.1.7.4	<i>F-1 score</i>	19
II.1.7.5	<i>ROC Curve</i> dan <i>AUC</i>	19
II.2	Pemilihan Metode.....	21
II.3	Penelitian Terdahulu.....	23
Bab III	METODE PENYELESAIAN MASALAH	26
III.1	Metode Penelitian	26
III.2	Sistematika Penyelesaian Masalah	26
III.2.1	<i>Business Understanding</i>	27
III.2.2	<i>Data Understanding</i>	28
III.2.3	<i>Data Preparation</i>	30
III.2.4	<i>Modeling</i>	30
III.2.5	<i>Evaluation</i>	31

III.2.6	<i>Deployment</i>	32
Bab IV	PENYELESAIAN PERMASALAHAN	33
IV.1	<i>Business Understanding</i>	33
IV.2	<i>Data Understanding</i>	34
IV.2.1	<i>Data Collection</i>	34
IV.2.2	<i>Data Exploration</i>	36
IV.3	<i>Data Preparation</i>	39
IV.3.1	<i>Data Cleaning</i>	39
IV.3.2	<i>Data Transformation</i>	42
IV.3.3	<i>Data Splitting</i>	43
IV.3.4	<i>Outlier Handling</i>	44
IV.3.5	<i>Standardization</i>	46
IV.4	<i>Modeling</i>	47
IV.5	<i>Evaluation</i>	48
IV.6	<i>Deployment</i>	49
Bab V	VALIDASI, ANALISIS HASIL DAN IMPLIKASI	57
V.1	<i>Evaluation</i>	57
V.1.1	<i>Confusion Matrix</i>	58
V.1.1.1	<i>Confusion Matrix</i> dengan <i>Splitting Data</i> 90:10	58
V.1.1.2	<i>Confusion Matrix</i> dengan <i>Splitting Data</i> 80:20	61
V.1.1.3	<i>Confusion Matrix</i> dengan <i>Splitting Data</i> 70:30	64
V.1.2	<i>Receiver Operating Characteristic (ROC) Curve (AUC)</i>	66
V.2	Pemilihan Model Logistic Regression Terbaik	68
V.3	Analisis <i>Feature Importance</i>	69
V.4	<i>Deployment</i> dan Validasi Model	70
V.4.1	<i>Deployment</i>	71

V.4.2	Validasi Model	73
V.5	Implikasi	77
Bab VI	KESIMPULAN DAN SARAN	79
VI.1	Kesimpulan	79
VI.2	Saran	80
	DAFTAR PUSTAKA	82
	LAMPIRAN	87