

## DAFTAR ISI

HALAMAN JUDUL.....	i
LEMBAR PENGESAHAN .....	ii
PERNYATAAN.....	iii
HALAMAN MOTTO DAN PERSEMBAHAN.....	iv
KATA PENGANTAR .....	v
DAFTAR ISI.....	vii
DAFTAR TABEL.....	ix
DAFTAR GAMBAR .....	x
DAFTAR LAMPIRAN.....	xi
INTI SARI.....	xii
<i>ABSTRACT</i> .....	xiii
<b>BAB I PENDAHULUAN</b>	
1.1 Latar Belakang .....	1
1.2 Tujuan Penelitian .....	4
1.3 Manfaat Penelitian .....	4
1.4 Pembatasan Masalah .....	5
1.5 Tinjauan Pustaka .....	5
1.6 Metode Penelitian.....	5
1.7 Sistematika Penulisan .....	6
<b>BAB II LANDASAN TEORI</b>	
2.1 Probabilitas.....	8
2.2 Variabel Random .....	9
2.3 Analisis Survival .....	14
2.4 Data Tersensor dan Terpotong.....	15
2.5 Fungsi Survival dan Fungsi Hazard.....	16
2.6 Model Regresi Fungsi Survival.....	20
2.6.1 Model regresi fungsi survival parametrik .....	21
2.6.2 Model regresi fungsi survival semi-parametrik .....	24

2.6.3 Model regresi fungsi survival nonparametrik .....	25
2.7 <i>Cross Validation</i> .....	27
<b>BAB III KOMBINASI METODE PARAMETRIK, SEMI-PARAMETRIK, DAN NONPARAMETRIK PADA REGRESI FUNGSI SURVIVAL DENGAN METODE STACKED</b>	
3.1 Model Regresi Fungsi Survival dengan Metode <i>stacked</i> .....	29
3.2 <i>Brier Score</i> .....	32
3.3 <i>Inverse Probability of Censoring Weights</i> .....	33
3.4 <i>Mean Integrated Squared Error Stacked Survival Model</i> .....	36
3.5 Sifat Asimtotik Model Fungsi Survival dengan Metode <i>Stacked</i> .....	39
3.6 <i>Integrated Survival Square Error</i> .....	43
<b>BAB IV STUDI KASUS MODEL FUNGSI SURVIVAL STACKED</b>	
4.1 Diskripsi Data .....	45
4.2 Distribusi Data Survival.....	51
4.3 Analisis Regresi Fungsi Survival Parametrik .....	54
4.4 Analisis Regresi Fungsi Survival Semi-parametrik .....	56
4.5 Analisis Regresi Fungsi Survival Nonparametrik.....	58
4.6 Analisis Regresi Fungsi Survival dengan Metode <i>Stacked</i> .....	61
4.7 <i>Integrated Squared Survival Error</i> pada Studi Kasus .....	64
<b>BAB V PENUTUP</b>	
5.1. Kesimpulan.....	67
5.2. Saran .....	68
Daftar Pustaka .....	69
Lampiran .....	72

## DAFTAR TABEL

Tabel 4.1 Model Parametrik Regresi Fungsi Survival Weibull Data <i>Edward Health Care</i> (EHC).....	55
Tabel 4.2 Model Parametrik Regresi Fungsi Survival Lognormal Data <i>German Breast Cancer Study</i> (GBCS).....	56
Tabel 4.3 Model Semi-parametrik Regresi Fungsi Survival Cox Data <i>Edward Health Care</i> (EHC) .....	57
Tabel 4.4 Model Semi-parametrik Regresi Fungsi Survival Cox Data <i>German Breast Cancer Study</i> (GBCS).....	58
Tabel 4.5 <i>Default Model Random Survival Forest</i> Data <i>Edward Health Care</i> (EHC).....	59
Tabel 4.6 <i>Default Model Random Survival Forest</i> Data <i>German Breast Cancer Study</i> (GBCS) .....	60
Tabel 4.7 Bobot Persamaan Survival Metode <i>Stacked</i> Data <i>Edward Health Care</i> (EHC) .....	62
Tabel 4.8 Bobot Persamaan Survival Metode <i>Stacked</i> Data <i>German Breast Cancer Study</i> (GBCS) .....	63
Tabel 4.9 ISSE Model Regresi Fungsi Survival Data <i>Edward Health Care</i> (EHC).....	64
Tabel 4.10 ISSE Model Regresi Fungsi Survival Data <i>German Breast Cancer Study</i> (GBCS) .....	65

## DAFTAR GAMBAR

Gambar 2.1 Representasi Data Survival .....	15
Gambar 2.2 Data Tersensor ( <i>Censored</i> ) dan Terpotong ( <i>Truncated</i> ) .....	16
Gambar 2.3 Fungsi Survival .....	17
Gambar 2.4 Fungsi Hazard .....	18
Gambar 4.1 Presentase Status Pasien.....	46
Gambar 4.2 Presentase Jenis Kelamin Pasien.....	47
Gambar 4.3 Presentase Status Menopause Pasien .....	48
Gambar 4.4 Presentase Status Terapi Hormone Pasien .....	49
Gambar 4.5 Presentase Stadium Kanker Pasien .....	49
Gambar 4.6 Presentase <i>Censdead</i> pasien .....	50
Gambar 4.7 Distribusi data survival <i>Edward Health Center</i> (EHC) .....	51
Gambar 4.8 Grafik Distribusi Weibull Berdasarkan Data <i>Edward Health Center</i> (EHC).....	52
Gambar 4.9 Distribusi Data Survival <i>German Breast Canver Study</i> (GBCS).....	53
Gambar 4.10 Grafik Distribusi Lognormal Berdasarkan Data <i>German Breast Canver Study</i> (GBCS) .....	54