

DAFTAR GAMBAR

Gambar 1.1 Desain model dan formulasi masalah	4
Gambar 1.2 Desain model pemecahan masalah	4
Gambar 1.3 Pengujian model pemecahan masalah dan validasi penelitian	5
Gambar 2.1 Konfigurasi dasar <i>WLAN</i>	9
Gambar 2.2 <i>BTS</i>	10
Gambar 2.3 <i>Modem router WiFi</i>	10
Gambar 2.4 <i>Access point</i>	11
Gambar 3.1 Diagram alir perancangan dan analisis coverage area jaringan <i>WiFi</i> pada kapal laut	19
Gambar 3.2 Desain skenario.....	21
Gambar 3.3 Desain sistem komunikasi	21
Gambar 3.4 Jalur kapal	22
Gambar 3.5 Denah kapal	23
Gambar 3.6 <i>Channel</i> Frekuensi 2.4 GHz	26
Gambar 3.7 Denah lantai 1	28
Gambar 3.8 Denah lantai 2	28
Gambar 3.9 Denah lantai 3	28
Gambar 3.10 Denah lantai 4	29
Gambar 3.11 Denah lantai 1	35
Gambar 3.12 Denah lantai 3	37
Gambar 4.1 Denah kapal lantai 1	38

Gambar 4.2 <i>Coverage area</i> 2D lantai 1	39
Gambar 4.3 <i>Coverage area</i> 3D lantai 1	39
Gambar 4.4 Grafik <i>coverage area</i> lantai 1	39
Gambar 4.5 Denah kapal lantai 1	40
Gambar 4.6 <i>Coverage area</i> 2D lantai 1	40
Gambar 4.7 <i>Coverage area</i> 3D lantai 1	40
Gambar 4.8 Grafik <i>coverage area</i> lantai 1	40
Gambar 4.9 Denah kapal lantai 1	41
Gambar 4.10 <i>Coverage area</i> 2D lantai 1	41
Gambar 4.11 <i>Coverage area</i> 3D lantai 1	41
Gambar 4.12 Grafik <i>coverage area</i> lantai 1	42
Gambar 4.13 Denah kapal lantai 1	42
Gambar 4.14 <i>Coverage area</i> 2D lantai 1	42
Gambar 4.15 <i>Coverage area</i> 3D lantai 1	43
Gambar 4.16 Grafik <i>coverage area</i> lantai 1	43
Gambar 4.17 Denah kapal lantai 1	44
Gambar 4.18 <i>Coverage area</i> 2D lantai 1	44
Gambar 4.19 <i>Coverage area</i> 3D lantai 1	44
Gambar 4.20 Grafik <i>coverage area</i> lantai 1	44
Gambar 4.21 Denah kapal lantai 2	45
Gambar 4.22 <i>Coverage area</i> 2D lantai 2	45
Gambar 4.23 <i>Coverage area</i> 3D lantai 2	46
Gambar 4.24 Grafik <i>coverage area</i> lantai 2	46
Gambar 4.25 Denah kapal lantai 2	46

Gambar 4.26 <i>Coverage area</i> 2D lantai 2.....	47
Gambar 4.27 <i>Coverage area</i> 3D lantai 2.....	47
Gambar 4.28 Grafik <i>coverage area</i> lantai 2.....	47
Gambar 4.29 Denah kapal lantai 2.....	48
Gambar 4.30 <i>Coverage area</i> 2D lantai 2.....	48
Gambar 4.31 <i>Coverage area</i> 3D lantai 2.....	48
Gambar 4.32 Grafik <i>coverage area</i> lantai 2.....	49
Gambar 4.33 Denah kapal lantai 2.....	49
Gambar 4.34 <i>Coverage area</i> 2D lantai 2.....	49
Gambar 4.35 <i>Coverage area</i> 3D lantai 2.....	50
Gambar 4.36 Grafik <i>coverage area</i> lantai 2.....	50
Gambar 4.37 Denah kapal lantai 2.....	50
Gambar 4.38 <i>Coverage area</i> 2D lantai 2.....	51
Gambar 4.39 <i>Coverage area</i> 3D lantai 2.....	51
Gambar 4.40 Grafik <i>coverage area</i> lantai 2.....	51
Gambar 4.41 Denah kapal lantai 3.....	52
Gambar 4.42 <i>Coverage area</i> 2D lantai 3.....	52
Gambar 4.43 <i>Coverage area</i> 3D lantai 3.....	53
Gambar 4.44 Grafik <i>coverage area</i> lantai 3.....	53
Gambar 4.45 Denah kapal lantai 3.....	53
Gambar 4.46 <i>Coverage area</i> 2D lantai 3.....	54
Gambar 4.47 <i>Coverage area</i> 3D lantai 3.....	54
Gambar 4.48 Grafik <i>coverage area</i> lantai 3.....	54
Gambar 4.49 Denah kapal lantai 3.....	55

Gambar 4.50 <i>Coverage area</i> 2D lantai 3	55
Gambar 4.51 <i>Coverage area</i> 3D lantai 3	55
Gambar 4.52 Grafik <i>coverage area</i> lantai 3	55
Gambar 4.53 Denah kapal lantai 3	56
Gambar 4.54 <i>Coverage area</i> 2D lantai 3	56
Gambar 4.55 <i>Coverage area</i> 3D lantai 3	56
Gambar 4.56 Grafik <i>coverage area</i> lantai 3	57
Gambar 4.57 Denah kapal lantai 3	57
Gambar 4.58 <i>Coverage area</i> 2D lantai 3	57
Gambar 4.59 <i>Coverage area</i> 3D lantai 3	58
Gambar 4.60 Grafik <i>coverage area</i> lantai 3	58
Gambar 4.61 Denah kapal lantai 4	59
Gambar 4.62 <i>Coverage area</i> 2D lantai 4	59
Gambar 4.63 <i>Coverage area</i> 3D lantai 4	59
Gambar 4.64 Grafik <i>coverage area</i> lantai 4	60
Gambar 4.65 Denah kapal lantai 4	60
Gambar 4.66 <i>Coverage area</i> 2D lantai 4	60
Gambar 4.67 <i>Coverage area</i> 3D lantai 4	61
Gambar 4.68 Grafik <i>coverage area</i> lantai 4	61
Gambar 4.69 Denah kapal lantai 4	61
Gambar 4.70 <i>Coverage area</i> 2D lantai 4	62
Gambar 4.71 <i>Coverage area</i> 3D lantai 4	62
Gambar 4.72 Grafik <i>coverage area</i> lantai 4	62
Gambar 4.73 Denah kapal lantai 4	63

Gambar 4.74 <i>Coverage area</i> 2D lantai 4.....	63
Gambar 4.75 <i>Coverage area</i> 3D lantai 4.....	63
Gambar 4.76 Grafik <i>coverage area</i> lantai 4.....	63
Gambar 4.77 Denah kapal lantai 4	64
Gambar 4.78 <i>Coverage area</i> 2D lantai 4.....	64
Gambar 4.79 <i>Coverage area</i> 3D lantai 4.....	64
Gambar 4.80 Grafik <i>coverage area</i> lantai 4.....	64
Gambar 4.81 Denah kapal lantai 1	66
Gambar 4.82 Denah kapal lantai 2	66
Gambar 4.83 Denah kapal lantai 3	67
Gambar 4.84 Denah kapal lantai 4	67
Gambar 4.85 Denah kapal lantai 1	68
Gambar 4.86 Denah kapal lantai 2	68
Gambar 4.87 Denah kapal lantai 3	68
Gambar 4.88 Denah kapal lantai 4	68