

DAFTAR GAMBAR

Gambar 2.1 Antena Mikrostrip.....	5
Gambar 2.2 Jenis-jenis Pola Radiasi	7
Gambar 2.3 Antena Mikrostrip.....	8
Gambar 2.4 Beberapa bentuk Patch	8
Gambar 2.5 Pencatuan Microstrip Line Feed [7].	12
Gambar 3.1 Diagram alir perancangan tugas akhir	13
Gambar 3.2 Antena tampak depan	15
Gambar 3.3 Antena tampak samping	15
Gambar 3.4 Rancangan konfigurasi nilai permitivitas relatif tidak homogen.....	16
Gambar 3.5 Antena dengan nilai permitivitas relatif homogen (a) tampak depan,(b) tampak belakang.....	17
Gambar 3.6 Grafik VSWR Antena Mikrostrip dengan substrat Homogen	17
Gambar 3.7 Antena Substrat Tidak Homogen 5 segmen (a) Patch disembunyikan, (b) Patch diperlihatkan	18
Gambar 3.8 Antena Substrat Tidak Homogen 9 segmen (a) Patch disembunyikan, (b) Patch diperlihatkan	19
Gambar 3.9 Antena Substrat Tidak Homogen 13 segmen (a) Patch disembunyikan, (b) Patch diperlihatkan	20
Gambar 4.1 Hasil nilai Bandwidth dengan simulator 1(a) simulator 2(b).	22
Gambar 4.2 Hasil Gain pada simulator 1(a) simulator 2 (b).	23
Gambar 4.3 Hasil nilai Bandwidth $\epsilon_r = 1,65$ dengan simulator 1(a) simulator 2(b).	24
Gambar 4.4 Hasil Gain $\epsilon_r = 1,65$ pada simulator 1(a) simulator 2 (b).....	25
Gambar 4.5 Hasil nilai Bandwidth $\epsilon_r = 2,75$ dengan simulator 1(a) simulator 2(b).	26
Gambar 4.6 Hasil Gain $\epsilon_r = 2,75$ pada simulator 1(a) simulator 2 (b).....	26
Gambar 4.7 Hasil Nilai Bandwidth range nilai 18 % 5 segmen simulator 1(a) simulator 2(b).	28
Gambar 4.8 Hasil Gain range nilai naik 18% 5 segmen simulator 1(a) simulator 2(b).	29
Gambar 4.9 Hasil Gain range nilai turun 18% 5 segmen simulator 1(a) simulator 2(b).	29
Gambar 4.10 Hasil Nilai Bandwidth range nilai 25% 5 segmen simulator 1(a) simulator 2(b).	31
Gambar 4.11 Hasil Gain range nilai naik 25% 5 segmen simulator 1(a) simulator 2(b).	32
Gambar 4.12 Hasil Gain range nilai turun 25% 5 segmen simulator 1(a) simulator 2(b).	33
Gambar 4.13 Hasil Nilai Bandwidth range nilai 18% 9 segmen simulator 1(a) simulator 2(b).	34

Gambar 4.14 Hasil Gain range nilai naik 18% 9 segmen simulator 1(a) simulator 2(b).	35
Gambar 4.15 Hasil Gain range nilai turun 18% 9 segmen simulator 1(a) simulator 2(b).	36
Gambar 4.16 Hasil Nilai Bandwidth range nilai 25% 9 segmen simulator 1(a) simulator 2(b).	37
Gambar 4.17 Hasil Gain range nilai naik 25% 9 segmen simulator 1(a) simulator 2(b).	39
Gambar 4.18 Hasil Gain range nilai turun 25% 9 segmen simulator 1(a) simulator 2(b).	39
Gambar 4.19 Hasil Nilai Bandwidth range nilai 18% 13 segmen simulator 1(a) simulator 2(b).	41
Gambar 4.20 Hasil Gain range nilai naik 18% 13 segmen simulator 1(a) simulator 2(b).	42
Gambar 4.21 Hasil Gain range nilai turun 18% 13 segmen simulator 1(a) simulator 2(b).	43
Gambar 4.22 Hasil Nilai Bandwidth range nilai 25% 13 segmen simulator 1(a) simulator 2(b).	44
Gambar 4.23 Hasil Gain range nilai naik 25% 13 segmen simulator 1(a) simulator 2(b).	45
Gambar 4.24 Hasil Gain range nilai turun 25% 13 segmen simulator 1(a) simulator 2(b).	46