

DAFTAR ISI

LEMBAR PENGESAHAN	Error! Bookmark not defined.
LEMBAR PERNYATAAN.....	Error! Bookmark not defined.
PERSEMBAHAN.....	Error! Bookmark not defined.
ABSTRAK.....	Error! Bookmark not defined.
<i>ABSTRACT</i>	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
DAFTAR ISI.....	1
DAFTAR LAMPIRAN.....	Error! Bookmark not defined.
DAFTAR GAMBAR	Error! Bookmark not defined.
DAFTAR TABEL.....	Error! Bookmark not defined.
BAB I PENDAHULUAN.....	Error! Bookmark not defined.
1.1. Latar Belakang	Error! Bookmark not defined.
1.2. Rumusan Masalah	Error! Bookmark not defined.
1.3. Tujuan.....	Error! Bookmark not defined.
1.4. Manfaat.....	Error! Bookmark not defined.
1.5. Batasan Masalah.....	Error! Bookmark not defined.
1.6. State of the Art	Error! Bookmark not defined.
1.7. Kerangka Pemikiran.....	Error! Bookmark not defined.
1.8. Sistematika Penulisan.....	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA	Error! Bookmark not defined.
2.1. Pengertian Telekomunikasi	Error! Bookmark not defined.
2.2. Gelombang Elektromagnetik.....	Error! Bookmark not defined.
2.3. Radar	Error! Bookmark not defined.

2.3.1.	Tata Nama Frekuensi Radar.....	Error! Bookmark not defined.
2.4.	<i>Filter</i>	Error! Bookmark not defined.
2.4.1.	<i>Filter</i> Pendekatan <i>Butterworth</i>	Error! Bookmark not defined.
2.5.	Band Pass Filter.....	Error! Bookmark not defined.
2.6.	Parameter Umum <i>Filter</i>	Error! Bookmark not defined.
2.6.1.	<i>Decibel</i>	Error! Bookmark not defined.
2.6.2.	<i>Bandwidth</i>	Error! Bookmark not defined.
2.6.3.	<i>Return Loss</i>	Error! Bookmark not defined.
2.6.4.	<i>Insertion Loss</i>	Error! Bookmark not defined.
2.6.5.	<i>Voltage Standing Wave Ratio</i> (VSWR).....	Error! Bookmark not defined.
2.7.	Perancangan Mikrostrip	Error! Bookmark not defined.
2.7.1.	Panjang Saluran <i>Input Output</i>	Error! Bookmark not defined.
2.8.	Gelombang Impedansi.....	Error! Bookmark not defined.
2.8.1.	Menentukan Panjang Gelombang	Error! Bookmark not defined.
2.9.	<i>Square Open Loop Resonator</i>	Error! Bookmark not defined.
2.9.1.	Rumus Menghitung Ukuran <i>Resonator</i>	Error! Bookmark not defined.
2.9.2.	Rumus Umum Untuk Mengekstraksi Koefisien Kopling.....	Error! Bookmark not defined.
2.9.3.	Jarak Antar <i>Resonator</i>	Error! Bookmark not defined.
2.9.4.	Model Struktur Kopling <i>Input</i> dan <i>Output</i>	Error! Bookmark not defined.
BAB III METODOLOGI PENELITIAN		Error! Bookmark not defined.
3.1.	Studi Literatur	Error! Bookmark not defined.
3.2.	Rumusan Masalah	Error! Bookmark not defined.
3.3.	Analisis Kebutuhan	Error! Bookmark not defined.
3.4.	Perancangan	Error! Bookmark not defined.

3.5.	Simulasi Rancangan <i>Band Pass Filter</i>	Error! Bookmark not defined.
3.6.	Implementasi	Error! Bookmark not defined.
3.7.	Pengukuran Hasil Uji	Error! Bookmark not defined.
3.8.	Analisis Data	Error! Bookmark not defined.
BAB IV PERANCANGAN <i>FILTER</i>		Error! Bookmark not defined.
4.1.	Perancangan	Error! Bookmark not defined.
4.2.	Spesifikasi <i>Filter</i>	Error! Bookmark not defined.
4.3.	Pemilihan Jenis Bahan	Error! Bookmark not defined.
4.4.	Perancangan <i>Square Open Loop Resonator</i>	Error! Bookmark not defined.
4.4.1.	Menghitung Lebar Saluran <i>Input</i> dan <i>Output</i>	Error! Bookmark not defined.
4.4.2.	Menentukan Panjang <i>Input Output</i> ..	Error! Bookmark not defined.
4.4.3.	Menghitung Konstanta Dielektrik Efektif	Error! Bookmark not defined.
4.4.4.	Menghitung Ukuran <i>Resonator</i>	Error! Bookmark not defined.
4.4.5.	Perhitungan Kopling <i>Resonator</i>	Error! Bookmark not defined.
4.4.6.	Menentukan Jarak Kopling <i>Resonator</i>	Error! Bookmark not defined.
4.5.	Simulasi <i>Band Pass Filter</i> Dengan Perhitungan	Error! Bookmark not defined.
4.6.	Optimasi Simulasi <i>Filter</i>	Error! Bookmark not defined.
4.7.	Hasil Fabrikasi.....	Error! Bookmark not defined.
BAB V ANALISIS DAN PENGUKURAN.....		Error! Bookmark not defined.
5.1.	Pengukuran.....	Error! Bookmark not defined.
5.1.1.	Pengukuran dan Analisis Nilai <i>Return Loss</i>	Error! Bookmark not defined.
5.1.2.	Pengukuran dan Analisis Nilai <i>Insertion Loss</i>	Error! Bookmark not defined.
5.1.3.	Pengukuran dan Analisis <i>Voltage Standing Wave Ratio (VSWR)</i>	Error! Bookmark not defined.
5.1.4.	Pengukuran dan Analisis <i>Bandwidth</i>	Error! Bookmark not defined.

5.2. Perbandingan Antara Simulasi dan Pengukuran **Error! Bookmark not defined.**

5.3. Analisis Kesalahan **Error! Bookmark not defined.**

BAB VI KESIMPULAN DAN SARAN **Error! Bookmark not defined.**

6.1. Kesimpulan..... **Error! Bookmark not defined.**

6.2. Saran..... **Error! Bookmark not defined.**

DAFTAR PUSTAKA **Error! Bookmark not defined.**

LAMPIRAN..... **Error! Bookmark not defined.**





uin

UNIVERSITAS ISLAM NEGERI
SUNAN GUNUNG DJATI
BANDUNG