

DAFTAR ISI

LEMBAR PERSETUJUAN **Error! Bookmark not defined.**

LEMBAR PENGESAHAN PENGUJI **Error! Bookmark not defined.**

ABSTRAK.....**Error! Bookmark not defined.**

ABSTRACT**Error! Bookmark not defined.**

KATA PENGANTAR....**Error! Bookmark not defined.**

DAFTAR ISI 1

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

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

BAB I.....**Error! Bookmark not defined.**

PENDAHULUAN**Error! Bookmark not defined.**

1.1 Latar belakang **Error! Bookmark not defined.**

1.2 Batasan Masalah..... **Error! Bookmark not defined.**

- 1.3 Rumusan Masalah... **Error! Bookmark not defined.**
- 1.4 Tujuan.....**Error! Bookmark not defined.**
- 1.5 Manfaat Penelitian.. **Error! Bookmark not defined.**

BAB IIError! Bookmark not defined.

TINJAUAN PUSTAKA .Error! Bookmark not defined.

- 2.1 Studi Literature..... **Error! Bookmark not defined.**
- 2.2 Jantung**Error! Bookmark not defined.**
- 2.3 Electrocardiography (ECG) **Error! Bookmark not defined.**
- 2.4 Titik Sadapan ECG 26
- 2.5 Filter Digital Butterworth..... 33
- 2.6 Modul ECG AD8232 34
- 2.7 Rangkaian Non-Inverting Amplifier 39
- 2.8 Rangkaian Adder..... 40
- 2.9 Rangkaian Multiplexer..... 41
- 2.10 Arduino Mega2560 43

2.11	Delphi7.....	47
BAB III.....		48
METODOLOGI PENELITIAN		48
3.1	Diagram Blok Sistem.....	48
3.2	Diagram Alir (Flowchart)	50
3.3	Diagram Mekanis Alat.....	52
3.4	Alat Dan Bahan.....	53
3.5	Desain Penelitian.....	55
3.6	Variabel Penelitian.....	56
3.7	Definisi Operasional Variabel.....	57
3.8	Teknik Analisis Data.....	58
3.9	Urutan Kegiatan Penelitian	59
3.10	Jadwal Kegiatan Penelitian	61
BAB IV.....		Error! Bookmark not defined.
HASIL PENGAMBILAN SINYAL....		Error! Bookmark not defined.
4.1	Hasil Output Gambar dan Grafik ECG	Error! Bookmark not defined.
4.1.1	<i>Output</i> V1	Error! Bookmark not defined.

4.1.2 <i>Output</i> V2.....	64
4.1.3 <i>Output</i> V3.....	66
4.1.4 <i>Output</i> V4.....	68
4.1.5 <i>Output</i> V5.....	70
4.1.6 <i>Output</i> V6.....	72

BAB VError! Bookmark not defined.

PEMBAHASAN.....Error! Bookmark not defined.

5.1	Pembahasan Rangkaian . Error! Bookmark not defined.
5.1.1	Rangakaian ECG Error! Bookmark not defined.
5.1.2	Rangkaian WCT Error! Bookmark not defined.
5.2	Pembahasan Program Error! Bookmark not defined.
5.2.1	Listing Program Arduino..... Error! Bookmark not defined.
5.2.2	Listing Program Delphi . Error! Bookmark not defined.

5.3	Pembahasan Kinerja Sistem Alat Keseluruhan	Error! Bookmark not defined.
5.4	Kekurangan Penelitian.....	95
BAB VI.....		Error! Bookmark not defined.
PENUTUP		Error! Bookmark not defined.
6.1	Kesimpulan.....	Error! Bookmark not defined.
6.2	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA.....		Error! Bookmark not defined.