



DAFTAR ISI

LEMBAR PENGESAHAN	Error! Bookmark not defined.
PERNYATAAN BEBAS PLAGIASI	Error! Bookmark not defined.
NASKAH SOAL TUGAS AKHIR	Error! Bookmark not defined.
HALAMAN PERSEMBAHAN	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.
DAFTAR NOTASI DAN SINGKATAN	Error! Bookmark not defined.
INTISARI	Error! Bookmark not defined.
ABSTRACT	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 Penelitian	Error! Bookmark not defined.
1.4 Asumsi dan Batasan Masalah	Error! Bookmark not defined.
1.5 Manfaat Penelitian	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA	Error! Bookmark not defined.
2.1 Ventilator dengan Motor Stepper	Error! Bookmark not defined.
2.2 Ventilator AMBU Bag menggunakan Aktuator Satu Sisi Penekanan	Error! Bookmark not defined.
BAB III LANDASAN TEORI	Error! Bookmark not defined.
3.1 Ventilator Mekanik	Error! Bookmark not defined.



3.2	Tipe Ventilator Mekanik	Error! Bookmark not defined.
3.2.1	Negative Pressure Ventilation	Error! Bookmark not defined.
3.2.2	Positive Pressure Ventilation	Error! Bookmark not defined.
3.3	Parameter pada Ventilator Mekanik	Error! Bookmark not defined.
3.3.1	Positive End-Expiratory Pressure (PEEP)	Error! Bookmark not defined.
3.3.2	Respiratory Rate (RR)	Error! Bookmark not defined.
3.3.3	Peak Inspiratory Pressure (PIP)	Error! Bookmark not defined.
3.3.4	Volume Tidal	Error! Bookmark not defined.
3.4	Ambu Bag	Error! Bookmark not defined.
3.5	Lung Mechanism	Error! Bookmark not defined.
3.5.1	Lung Static	Error! Bookmark not defined.
3.5.2	Lung Dinamis	Error! Bookmark not defined.
3.6	Venturimeter	Error! Bookmark not defined.
3.6.1	Persamaan Kontinuitas	Error! Bookmark not defined.
3.6.2	Persamaan Bernoulli	Error! Bookmark not defined.
3.7	Nilai Normal pada Ventilator Mekanik	Error! Bookmark not defined.
BAB IV METODOLOGI PENELITIAN		Error! Bookmark not defined.
4.1	Sistem Mekanis	Error! Bookmark not defined.
4.1.1	Aktuator	Error! Bookmark not defined.
4.1.2	Venturimeter	Error! Bookmark not defined.
4.2	Sistem Elektronik	Error! Bookmark not defined.
4.2.1	Arduino Uno	Error! Bookmark not defined.
4.2.2	Arduino Mega 2560	Error! Bookmark not defined.
4.2.3	Sensor MPX5010DP	Error! Bookmark not defined.



4.2.4 Motor Stepper	Error! Bookmark not defined.
4.2.5 Power Supply Zixed T-50D	Error! Bookmark not defined.
4.2.6 Differential Pressure Switch	Error! Bookmark not defined.
4.2.7 Differential Pressure Transmitter	Error! Bookmark not defined.
4.2.8 LCD	Error! Bookmark not defined.
4.2.9 Microstepdriver TB6600	Error! Bookmark not defined.
4.2.10 Regulator LM-2596	Error! Bookmark not defined.
4.3 Fluida Kerja	Error! Bookmark not defined.
4.4 Rangkaian Elektronis	Error! Bookmark not defined.
4.5 Sistem Alat Uji Penelitian	Error! Bookmark not defined.
4.6 Pemrograman Ventilator AMBU <i>bag</i>	Error! Bookmark not defined.
4.7 Design of Experiment	Error! Bookmark not defined.
4.8 Pengolahan Data	Error! Bookmark not defined.
4.9 Diagram Alir	Error! Bookmark not defined.
BAB V HASIL DAN PEMBAHASAN	Error! Bookmark not defined.
5.1 Kalibrasi <i>Pressure</i> dan <i>Flow</i>	Error! Bookmark not defined.
5.1.1 Kalibrasi <i>Pressure</i>	Error! Bookmark not defined.
5.1.2 Kalibrasi <i>Flow</i>	Error! Bookmark not defined.
5.2 Karakterisasi Pengaruh Perbedaan Lebar Penekan AMBU <i>Bag</i> dan Kedalaman Penekanan	Error! Bookmark not defined.
5.2.1 Lebar Penekan 4x10cm	Error! Bookmark not defined.
5.2.2 Lebar Penekan 6x10cm	Error! Bookmark not defined.
5.2.3 Lebar Penekan 8x10cm	Error! Bookmark not defined.
5.2 Pemetaan Data Posisi Kedalaman Penekanan terhadap Nilai <i>Flow</i> dan <i>Pressure</i>	Error! Bookmark not defined.



BAB VI 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.