

## DAFTAR ISI

<b>PERNYATAAN ORISINALITAS .....</b>	<b>ii</b>
<b>LEMBAR PENGESAHAN.....</b>	<b>iii</b>
<b>ABSTRAK .....</b>	<b>iv</b>
<b><i>ABSTRACT</i> .....</b>	<b>v</b>
<b>LEMBAR PERSEMBAHAN .....</b>	<b>vi</b>
<b>KATA PENGANTAR.....</b>	<b>viii</b>
<b>DAFTAR ISI.....</b>	<b>ix</b>
<b>DAFTAR GAMBAR.....</b>	<b>xi</b>
<b>DAFTAR TABEL .....</b>	<b>xii</b>
<b>BAB I PENDAHULUAN.....</b>	<b>1</b>
<b>1.1 Latar Belakang.....</b>	<b>1</b>
<b>1.2 Rumusan Masalah.....</b>	<b>2</b>
<b>1.3 Tujuan Penelitian .....</b>	<b>2</b>
<b>1.4 Batasan Masalah .....</b>	<b>2</b>
<b>1.5 Metodologi Penelitian .....</b>	<b>2</b>
<b>BAB II TINJAUAN PUSTAKA .....</b>	<b>4</b>
<b>2.1 UAV (Unmanned Aerial Vehicle).....</b>	<b>4</b>
<b>2.2 Rule of Thumb .....</b>	<b>4</b>
<b>2.3 Gaya Angkat Pada UAV .....</b>	<b>5</b>
<b>2.4 Center of Gravity .....</b>	<b>6</b>
<b>2.5 Titik Berat Benda.....</b>	<b>6</b>
<b>BAB III PERANCANGAN SISTEM .....</b>	<b>8</b>
<b>3.1 Desain Sistem.....</b>	<b>8</b>
<b>3.1.1 Diagram Blok Sistem .....</b>	<b>9</b>
<b>3.1.2 Fungsi dan Fitur.....</b>	<b>9</b>

<b>3.2 Perancangan Perangkat Keras .....</b>	<b>9</b>
<b>3.2.1 Mikrokontroler .....</b>	<b>13</b>
<b>3.2.2 Motor <i>Brushless</i> .....</b>	<b>14</b>
<b>3.2.3 ESC .....</b>	<b>16</b>
<b>3.2.4 Propeller .....</b>	<b>17</b>
<b>3.2.5 Baterai .....</b>	<b>17</b>
<b>3.2.6 Sensor Ultrasonik.....</b>	<b>18</b>
<b>3.2.7 Kayu Jati Belanda .....</b>	<b>19</b>
<b>3.3 Perancangan Perangkat Lunak .....</b>	<b>19</b>
<b>BAB IV HASIL PERCOBAAN DAN ANALISIS .....</b>	<b>22</b>
<b>4.1 Analisis Hasil Perancangan .....</b>	<b>22</b>
<b>4.2 Pengaturan Nilai Minimum dan Maksimum <i>Throttle</i> .....</b>	<b>24</b>
<b>4.3 Uji Terbang UAV .....</b>	<b>24</b>
<b>BAB V SIMPULAN DAN SARAN .....</b>	<b>27</b>
<b>5.1 Simpulan.....</b>	<b>27</b>
<b>5.2 Saran.....</b>	<b>27</b>
<b>DAFTAR PUSTAKA.....</b>	<b>28</b>