

# Daftar Isi

<b>LEMBAR PERNYATAAN .....</b>	<b>I</b>
<b>LEMBAR PENGESAHAN.....</b>	<b>II</b>
<b>1. PENDAHULUAN.....</b>	<b>1</b>
1.1 LATAR BELAKANG MASALAH.....	1
1.2 PERUMUSAN MASALAH .....	2
1.3 TUJUAN.....	2
1.4 METODOLOGI PENYELESAIAN MASALAH.....	2
<b>2. LANDASAN TEORI.....</b>	<b>5</b>
2.1 HURUF (AKSARA) BALI.....	5
2.2 CITRA DIGITAL .....	5
2.3 SISTEM PENGENALAN .....	6
<i>Pengenalan Pola .....</i>	<i>6</i>
<i>Pengenalan Huruf.....</i>	<i>6</i>
2.4 <i>PREPROCESSING .....</i>	<i>6</i>
2.4.1 <i>Threshold.....</i>	<i>7</i>
2.4.2 <i>Thinning .....</i>	<i>7</i>
2.4.3 <i>Dilasi.....</i>	<i>8</i>
2.4.4 <i>Normalisasi .....</i>	<i>8</i>
2.4.5 <i>Edge Detection .....</i>	<i>9</i>
2.4.6 <i>Cropping .....</i>	<i>9</i>
2.4.7 <i>Penambahan pixel .....</i>	<i>9</i>
2.5 EKSTRAKSI CIRI ATAU <i>FEATURE EXTRACTION .....</i>	<i>10</i>
2.6 VERTEX CHAIN CODE .....	11
2.7 <i>SEQUENCE ALIGNMENT .....</i>	<i>12</i>
2.7.1 <i>Needleman-Wunsch.....</i>	<i>15</i>
2.7.2 <i>Smith-Waterman.....</i>	<i>16</i>
<b>3. ANALISIS SISTEM.....</b>	<b>17</b>
3.1 ANALISIS KEBUTUHAN.....	17
3.1.1 <i>Analisis Kebutuhan Perangkat Keras dan Perangkat Lunak .....</i>	<i>17</i>
3.1.2 <i>Analisis Proses Implementasi.....</i>	<i>17</i>
3.1.3 <i>Analisis Kebutuhan Fungsionalitas.....</i>	<i>20</i>
3.1.4 <i>Analisis Input dan Output Sistem .....</i>	<i>21</i>
3.2 GAMBARAN SISTEM .....	23
3.4 BASIS PENGETAHUAN .....	29
<b>4. PENGUJIAN SISTEM DAN ANALISIS .....</b>	<b>31</b>
4.1 PENGUJIAN SISTEM .....	31
4.1.1 <i>Tujuan Pengujian .....</i>	<i>31</i>
4.1.2 <i>Skenario Pengujian .....</i>	<i>31</i>
4.1.3 <i>Parameter Pengujian .....</i>	<i>33</i>
4.2 PENGUJIAN DAN ANALISIS SISTEM.....	33
4.2.1 <i>Hasil Pengujian.....</i>	<i>33</i>
4.2.2 <i>Analisis Metode Deteksi sisi .....</i>	<i>35</i>
4.2.3 <i>Analisis Metode Sequence Alignment.....</i>	<i>36</i>
4.2.4 <i>Analisis Normalisasi Nilai Kecocokan.....</i>	<i>37</i>
4.2.5 <i>Analisis Perubahan Ukuran Normalisasi Citra .....</i>	<i>38</i>
4.2.6 <i>Revisi/Usulan Hasil Pengujian.....</i>	<i>40</i>
4.2.7 <i>Hasil Analisa.....</i>	<i>42</i>
<b>5. PENUTUP.....</b>	<b>44</b>
5.1 KESIMPULAN.....	44
5.2 SARAN .....	44