

DAFTAR ISI

LEMBAR PENGESAHAN.....	ii
LEMBAR PERNYATAAN ORISINALITAS	iii
ABSTRAK	iv
ABSTRACT	v
KATA PENGANTAR.....	vi
UCAPAN TERIMA KASIH.....	vii
DAFTAR ISI.....	ix
DAFTAR GAMBAR.....	xi
DAFTAR SINGKATAN	xii
DAFTAR TABEL	xiii
BAB 1 PENDAHULUAN	1
1.1 <i>Latar Belakang.....</i>	<i>1</i>
1.2 <i>Tujuan Penelitian.....</i>	<i>2</i>
1.3 <i>Perumusan Masalah.....</i>	<i>2</i>
1.4 <i>Asumsi dan Batasan Masalah</i>	<i>2</i>
1.5 <i>Metodologi Penelitian.....</i>	<i>3</i>
BAB 2 LANDASAN TEORI.....	4
2.1 <i>Aneurisma Serebral (Cerebral Aneurysm).....</i>	<i>4</i>
2.2 <i>Citra 2 Dimensi</i>	<i>7</i>
2.2.1 <i>Citra Digital.....</i>	<i>7</i>
2.2.2 <i>Piksel.....</i>	<i>8</i>
2.2.3 <i>Resolusi</i>	<i>8</i>
2.2.4 <i>Intensitas</i>	<i>8</i>
2.2.5 <i>Pewarnaan Citra Model RGB.....</i>	<i>8</i>
2.3 <i>Pencitraan Medis</i>	<i>9</i>
2.3.1 <i>Angiography.....</i>	<i>9</i>
2.3.2 <i>DSA (Digital Subtraction Angiography).....</i>	<i>11</i>
2.3.3 <i>Zat kontras.....</i>	<i>13</i>
2.4 <i>Pengolahan Citra.....</i>	<i>14</i>
2.4.1 <i>Frame Interest.....</i>	<i>14</i>
2.4.2 <i>Area of Interest.....</i>	<i>14</i>

2.4.3 Teknik Pengurangan.....	14
2.4.4 Operasi Morfologi	15
2.5 <i>Penilaian Kualitatif</i>	15
BAB 3 MODEL DAN DESAIN SISTEM.....	17
3.1 <i>Desain Model Sistem</i>	17
3.1.1 Akusisi	17
3.1.2 <i>Frame Interest</i>	17
3.1.3 Deteksi Aneurisma Serebral.....	18
3.1.4 Menghitung Volume	18
3.1.5 Pewarnaan	19
3.2 <i>Performansi Sistem</i>	19
BAB 4 PENGUJIAN DAN ANALISA SISTEM.....	21
4.1 <i>Spesifikasi Perangkat</i>	21
1. Hardware	21
2. Software.....	21
4.2 <i>Skenario Pengujian</i>	21
4.2.1 Pengujian <i>Frame Interest</i>	22
4.2.2 Pengujian <i>Area of Interest</i>	22
4.2.3 Pengujian <i>Greyscale</i>	23
4.2.4 Pengujian Morfologi (strel).....	24
4.2.5 Pengujian Nilai Kualitatif.....	24
4.3 <i>Analisis Data Hasil Pengujian Sistem</i>	24
4.3.1 Analisis Pengujian <i>Frame interest</i>	24
4.3.2 Analisis Pengujian <i>Area of Interest</i>	26
4.3.3 Analisis Pengujian <i>Greyscale</i>	28
4.3.4 Analisis Pengujian <i>Morfologi</i>	31
4.3.5 Analisis Pengujian Nilai Kualitatif.....	33
BAB 5 KESIMPULAN DAN SARAN	37
5.1 <i>Kesimpulan</i>	37
5.2 <i>Saran</i>	38
DAFTAR REFERENSI	39
LAMPIRAN A.....	A
LAMPIRAN B.....	B

