

DAFTAR ISI

| | Halaman |
|---|----------|
| LEMBAR JUDUL | i |
| LEMBAR PERNYATAAN | ii |
| LEMBAR PENGESAHAN..... | iii |
| LEMBAR PEDOMAN PENGGUNAAN SKRIPSI | iv |
| KATA PENGANTAR | vi |
| ABSTRAK | vii |
| ABSTRACT | viii |
| DAFTAR ISI | ix |
| DAFTAR TABEL | xii |
| DAFTAR GAMBAR | xiv |
| DAFTAR LAMPIRAN | xvi |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang Masalah | 1 |
| 1.2 Perumusan Masalah | 3 |
| 1.3 Tujuan | 3 |
| 1.4 Manfaat | 4 |
| 1.5 Batasan Masalah | 4 |
| BAB II TINJAUAN PUSTAKA | |
| 2.1 Gambaran Tentang Mata..... | 6 |
| 2.2 Penyakit Mata | 6 |
| 2.3 Konsep Logika Fuzzy | 8 |

| | | |
|---------|---|----|
| | 2.4 Variabel Fuzzy | 9 |
| | 2.5 Variabel Linguistik | 9 |
| | 2.6 Semesta Pembicaraan | 9 |
| | 2.7 Himpunan Fuzzy..... | 10 |
| | 2.8 Domain | 10 |
| | 2.9 Fungsi Keanggotaan | 11 |
| | 2.10 Aturan Fuzzy | 14 |
| | 2.11 Operasi Himpunan Fuzzy | 15 |
| | 2.12 <i>Fuzzy Inference System</i> Metode Tsukamoto | 17 |
| | 2.13 Microsoft Visual Basic.NET | 20 |
| | 2.14 Microsoft SQL server | 21 |
| BAB III | METODE PENELITIAN | 22 |
| BAB IV | PEMBAHASAN | 27 |
| | 4.1 Fuzzyfikasi | 27 |
| | 4.1.1 Fuzzyfikasi Input | 27 |
| | 4.1.2 Fuzzyfikasi Output | 35 |
| | 4.2 Aturan (Rule) | 39 |
| | 4.3 Penentuan α_{predikat} | 42 |
| | 4.4 Defuzzyfikasi | 42 |
| | 4.5 Pengambilan Keputusan | 43 |
| | 4.5.1 Pengambilan Keputusan Penyakit Konjungtivitis | 43 |
| | 4.5.2 Pengambilan Keputusan Penyakit Keratitis | 43 |
| | 4.5.3 Pengambilan Keputusan Penyakit Glaukoma | 44 |

| | | |
|-------|--|----|
| 4.6 | Proses Perhitungan <i>Fuzzy Inference System</i> Tsukamoto | |
| | Secara Manual..... | 44 |
| 4.7 | Prosedur Proses Inferensi Program | 52 |
| 4.8 | Proses Perhitungan <i>Fuzzy Inference System</i> pada | |
| | Program..... | 55 |
| 4.9 | Pengujian Program | 57 |
| BAB V | KESIMPULAN DAN SARAN | 59 |
| 5.1 | Kesimpulan | 59 |
| 5.2 | Saran | 60 |
| | DAFTAR PUSTAKA | 61 |
| | LAMPIRAN | |

