

DAFTAR ISI

| | |
|--|----------|
| PERNYATAAN..... | ii |
| HALAMAN PERSETUJUAN..... | iii |
| HALAMAN PENGESAHAN | iv |
| HALAMAN PERSEMBAHAN..... | v |
| HALAMAN MOTTO | vi |
| RIWAYAT HIDUP | vii |
| PRAKATA..... | viii |
| ABSTRAK | ix |
| DAFTAR ISI | xi |
| DAFTAR TABEL | xiv |
| DAFTAR GAMBAR..... | xvi |
| BAB I PENDAHULUAN..... | 1 |
| 1.1 Latar Belakang..... | 1 |
| 1.2 Ruang Lingkup | 2 |
| 1.3 Rumusan Masalah | 2 |
| 1.4 Tujuan Penelitian..... | 3 |
| 1.5 Manfaat Penelitian..... | 3 |
| 1.6 Sistematika Penulisan | 4 |
| BAB II TINJAUAN PUSTAKA | 5 |
| 2.1 Dharmayukti Karini | 5 |
| 2.2 BDDB..... | 5 |
| 2.3 Sistem Penunjang Keputusan | 6 |
| 2.4 Metode Waterfall | 7 |
| 2.5 Analytical Hierarchy Process | 9 |
| 2.5.1 Mengidentifikasi Masalah..... | 9 |
| 2.5.2 Membuat struktur hirarki..... | 9 |

| | |
|---|-----------|
| 2.5.3 Mendefinisikan perbandingan berpasangan | 10 |
| 2.5.4 Menghitung Consistency Indeks CI | 10 |
| 2.5.5 Hitung Rasio Konsistensi/Consistency Ratio (CR) | 11 |
| 2.5.6 Memeriksa konsistensi hierarki..... | 11 |
| 2.6 Sistem Rekomendasi | 11 |
| 2.7 MySQL | 11 |
| 2.8 XAMPP | 12 |
| 2.9 PHP | 12 |
| 2.10 Alat Pengembang Sistem | 12 |
| 2.10.1 <i>Use Case</i> | 12 |
| 2.10.2 <i>Activity Diagram</i> | 14 |
| 2.10.3 <i>Class Diagram</i> | 15 |
| 2.11 Penelitian Terdahulu | 16 |
| BAB III METODOLOGI PENELITIAN..... | 18 |
| 3.1 Metode Pengumpulan Data | 18 |
| 3.2 Metode Pengembangan Sistem | 19 |
| 3.2.1 <i>Requirement Analysis</i> | 19 |
| 3.2.2 <i>System Design</i> | 19 |
| 3.2.3 <i>Implementation</i> | 19 |
| 3.2.4 <i>Integration & testing</i> | 19 |
| 3.2.4 <i>Operation & maintenance</i> | 19 |
| 3.3 Perangkat <i>Software & Hardware</i> | 20 |
| 3.3.1 Perangkat lunak (<i>software</i>) | 20 |
| 3.3.2 Perangkat keras (<i>hardware</i>) | 20 |
| 3.4 Analisis sistem berjalan | 20 |
| 3.5 Analisis data | 22 |
| 3.5.1 Sumber Data | 22 |

| | |
|---|-----------|
| 3.5.2 Metode AHP..... | 22 |
| 3.5.2.1 Menentukan Kriteria | 22 |
| 3.5.2.2 Menentukan nilai perbandingan matriks berpasangan | 23 |
| 3.5.2.3 Menentukan nilai perbandingan matriks berpasangan..... | 26 |
| 3.5.2.4 Hasil Perbandingan setiap alternatif | 38 |
| 3.6 Desain sistem baru | 42 |
| 3.6.1 <i>Use case diagram</i> | 42 |
| 3.6.2 <i>Activity diagram</i> | 43 |
| 3.6.2.1 Activity diagram Anggota Dharmayukti | 43 |
| 3.6.2.2 Activity diagram pegawai | 48 |
| 3.6.2.3 Activity diagram ketua Dharmayukti | 51 |
| 3.6.3 <i>Sequence diagram</i> | 52 |
| 3.6.3.1 Sequence diagram Anggota Dharmayukti..... | 52 |
| 3.6.3.2 Sequence diagram pegawai | 53 |
| 3.6.3.3 Sequence diagram ketua Dharmayukti..... | 54 |
| 3.6.4 Class diagram | 55 |
| BAB IV HASIL DAN PEMBAHASAN PENELITIAN..... | 56 |
| 4.1 Hasil Pembahasan Program..... | 56 |
| 4.1.1 Rancangan sistem akses Anggota Dharmayukti | 56 |
| 4.1.2 Rancangan sistem akses pegawai | 60 |
| 4.1.3 Rancangan sistem akses ketua Dharmayukti | 62 |
| BAB V KESIMPULAN DAN SARAN..... | 63 |
| 5.1 Kesimpulan..... | 63 |
| 5.2 Saran..... | 63 |
| DAFTAR PUSTAKA | |