DAFTAR ISI

ABSTRAK ..... **i**
ABSTRACT ..... **ii**
KATA PENGANTAR ..... **iii**
DAFTAR GAMBAR ..... **vii**
DAFTAR TABEL ..... **viii**
BAB I PENDAHULUAN **1**
1.1 Latar Belakang 1
1.1 Maksud dan Tujuan 2
1.2 Batasan Masalah 2
1.3 Metode Penelitian 2
1.4 Sistematika Penulisan 3
BAB II TINJAUAN PUSTAKA **5**
2.1 Balap motor 5
2.2 Sensor 5
2.2.1 Suhu 5
2.2.2 IMU 3D (Inertial Measurement Unit) 5
2.2.3 Voltage (V) 6
2.2.4 RPM (Rotary Per menute) 6
2.2.5 Speedometer 6
2.2.6 GPS (*Global Positioning System*) 6
2.3 GUI (*Graphical User Interface*) 7
2.4 Basis Data 7
2.4.1 MySQL 7
2.5 Pendekatan Berorientasi Objek 8
2.6 Unified Modelling Language (UML) 8
2.7 Sistem Operasi 12
2.7.2 Windows 12
2.8 Skala Linkert 12

BAB III ANALISIS DAN PERANCANGAN SISTEM.....14
3.1 Analisis Kebutuhan Sistem.....14
3.1.1 Analisis Kebutuhan Non Fungsional.....14
3.1.2 Analisis Kebutuhan Fungsional.....17
3.2 Perancangan Sistem.....29
3.2.1 Perancangan Antarmuka.....29
BAB IV.....33
4.1 Pengujian Fungsional sistem (*Alpha*).....33
4.1.1 Pengujian Pembacaan Data Sensor Pada Aplikasi.....37
4.2 Pengujian Kuesioner (*Beta*).....38
BAB V.....42
5.1 Kesimpulan.....42
5.2 Saran.....42

DAFTAR GAMBAR

Gambar I-1 Metode Waterfall.....**Error! Bookmark not defined.**
Gambar II-1 Contoh Class Diagram .....**Error! Bookmark not defined.**
Gambar III-1 Gambaran Umum Rancangan Sistem**Error! Bookmark not defined.**
Gambar III-2 Use Case Diagram Aplikasi Pembacaan Sensor Motor Balap. **Error! Bookmark not defined.**
Gambar III-3*Activity Diagram Login* .....**Error! Bookmark not defined.**
Gambar III-4 *Activity Diagram Home* .....**Error! Bookmark not defined.**
Gambar III-5 *Activity Diagram View Grafik* .....**Error! Bookmark not defined.**
Gambar III-6 *Activity Diagram View Maps*.....**Error! Bookmark not defined.**
Gambar III-7 *Activity Diagram View PDF* .....**Error! Bookmark not defined.**
Gambar III-8 *Activity Diagram Reset All*.....**Error! Bookmark not defined.**
Gambar III-9*Sequence Diagram Login*.....**Error! Bookmark not defined.**
Gambar III-10 *Sequence Diagram Home* .....**Error! Bookmark not defined.**
Gambar III-11 *Sequence Diagram View Grafik*.....**Error! Bookmark not defined.**
Gambar III-12 *Sequence Diagram View Maps* .....**Error! Bookmark not defined.**
Gambar III-13 *Sequence Diagram View PDF* .....**Error! Bookmark not defined.**
Gambar III-14*Sequence Diagram Reset All*.....**Error! Bookmark not defined.**
Gambar III-15 Class Diagram.....**Error! Bookmark not defined.**
Gambar III-16 Perancangan Halaman Login .....**Error! Bookmark not defined.**
Gambar III-17 Perancangan Halaman Username/Password Salah**Error! Bookmark not defined.**
Gambar III-18 Perancangan Halaman Utama/*Home* Aplikasi**Error! Bookmark not defined.**
Gambar III-19 Perancangan Halaman Tampilan *View Grafik***Error! Bookmark not defined.**
Gambar III-20 PerancanganHalaman Tampilan *View Maps***Error! Bookmark not defined.**
Gambar III-21Perancangan Halaman *View PDF* ...**Error! Bookmark not defined.**

Gambar IV-1 Tampilan Halaman *Login* .....**Error! Bookmark not defined.**
Gambar IV-2 Tampilan Halaman Gagal *Login*.....**Error! Bookmark not defined.**
Gambar IV-3 Tampilan Halama *Home*.....**Error! Bookmark not defined.**
Gambar IV-4 Tampilan Halama Menu *View Grafik***Error! Bookmark not defined.**
Gambar IV-5 Tampilan Halama Menu *View Maps***Error! Bookmark not defined.**
Gambar IV-6 Tampilan Halama Menu *View PDF* **Error! Bookmark not defined.**
Gambar IV-7 Tampilan Halama Menu *Reset All*...**Error! Bookmark not defined.**

DAFTAR TABEL

Tabel II-1 Definisi Simbol Use Case Diagram .....**Error! Bookmark not defined.**
Tabel II-2 DefinisiSimbol Activity Diagram .....**Error! Bookmark not defined.**
Tabel II-3 DefinisiSimbol Sequence Diagram.....**Error! Bookmark not defined.**
Tabel III-1 Kebutuhan Perangkat Keras Sistem.....**Error! Bookmark not defined.**
Tabel III-2 Kebutuhan Perangkat Lunak Pengembang**Error! Bookmark not defined.**
Tabel III-3 Kebutuhan Perangkat Lunak Pengguna**Error! Bookmark not defined.**
Tabel III-4 Kebutuhan Pengguna.....**Error! Bookmark not defined.**
Tabel III-5 Definisi Aktor.....**Error! Bookmark not defined.**
Tabel III-6 Definisi *Use Case* .....**Error! Bookmark not defined.**
Tabel III-7 *Use Case Scenario Login*.....**Error! Bookmark not defined.**
Tabel III-8 *Use Case Scenario Home* .....**Error! Bookmark not defined.**
Tabel III-9 *Use Case Scenario View Grafik* .....**Error! Bookmark not defined.**
Tabel III-10 *Use Case Scenario View Maps*.....**Error! Bookmark not defined.**
Tabel III-11 *Use Case Scenario View PDF* .....**Error! Bookmark not defined.**
Tabel III-12*Use Case Scenario Reset All*.....**Error! Bookmark not defined.**
Tabel IV-1 Hasil Pengujian Data Yang Diambil Dari Motor Honda CBR.... **Error! Bookmark not defined.**
Tabel IV-2 Kuisioner .....**Error! Bookmark not defined.**
Tabel IV-3 Skor Pernyataan Responden (mekanik)**Error! Bookmark not defined.**
Tabel IV-4 Data Hasil Pengujian Kuisioner .....**Error! Bookmark not defined.**
Tabel IV-5 Kategori Sikap.....**Error! Bookmark not defined.**