

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISIONALITAS.....	ii
ABSTRAK	iii
ABSTRACT	iv
KATA PENGANTAR.....	v
UCAPAN TERIMA KASIH	vi
DAFTAR ISI.....	vii
DAFTAR GAMBAR.....	x
DAFTAR TABEL	xi
BAB I.....	1
1.1 Latar Belakang Masalah	1
1.2 Rumusan Masalah	2
1.3 Tujuan dan Manfaat.....	2
1.4 Batasan Masalah.....	3
1.5 Metode Penelitian.....	3
BAB II	5
2.1 <i>Internet of Things</i>	5
2.2 Raspberry Pi 3 Model B	5
2.3 NRF24L01	6
2.4 Sensor DHT22	7
2.5 Sensor Curah Hujan.....	7
2.6 Sensor <i>Anemometer</i>	8
2.7 <i>Soil Moisture Sensor</i>	8
2.8 <i>Error Rate</i>	8
2.9 <i>Quality of Service</i>	9
2.9.1 <i>Delay</i>	9

2.9.2	<i>Packet Loss</i>	10
2.9.3	<i>Throughput</i>	10
BAB III.....		12
3.1	Langkah Penelitian	12
3.2	Kebutuhan Sistem.....	13
3.3	Desain Sistem	15
3.3.1	Mekanisme Sistem	18
3.3.2	Sistem <i>Multiceiver</i>	19
3.3.3	Sistem <i>Repeater</i>	20
3.4	Pengujian Sistem	20
BAB IV.....		22
4.1	Pengujian Sensor	23
4.1.1	<i>Error Rate</i>	24
4.2	Hasil Pengujian <i>Quality of Service</i>	24
4.2.1	<i>Delay</i>	25
4.2.2	<i>Packet Loss</i>	27
4.2.3	<i>Throughput</i>	30
4.3	Hasil <i>Load Testing Website</i>	32
4.3.1	<i>Delay Website</i>	33
4.3.2	<i>Load Time Website</i>	33
4.3.3	<i>Error Rate Website</i>	34
4.3.4	<i>Throughput Website</i>	35
4.4	Waktu Komputasi.....	37
BAB V.....		39
5.1	Kesimpulan.....	39
5.2	SARAN	40

DAFTAR PUSTAKA	41
-----------------------------	-----------