

Daftar Isi

ABSTRAK	I
ABSTRACT	II
LEMBAR PERSEMPAHAN.....	III
KATA PENGANTAR.....	IV
DAFTAR ISI.....	V
DAFTAR GAMBAR.....	VII
DAFTAR TABEL.....	VIII
1. PENDAHULUAN	1
1.1 LATAR BELAKANG	1
1.2 PERUMUSAN MASALAH	2
1.3 TUJUAN	2
1.4 METODOLOGI PENYELESAIAN MASALAH.....	3
2. DASAR TEORI	5
2.1 MOBILE AD-HOC NETWORK (MANET)	5
2.1.1 <i>Keunggulan MANET</i>	5
2.1.2 <i>Tantangan dalam membangun MANET</i>	6
2.1.3 <i>Routing Protocol</i>	6
2.1.4 <i>Ad-hoc On-demand Distance Vector</i>	7
2.2 QUALITY OF SERVICE (QOS)	8
2.2.1 <i>Packet Classification</i>	8
2.2.2 <i>Packet Scheduling</i>	8
2.3 DIFFERENTIATED SERVICE (DIFFSERV)	9
2.3.1 <i>Classifier dan Marker</i>	9
2.3.2 <i>Differentiated Service Code Point (DSCP)</i>	10
2.3.3 <i>Per-Hop Behavior</i>	10
2.4 RANDOM WAY POINT MOBILITY	12
2.5 PRIORITY QUEUE.....	12
2.6 CONSTANT BIT RATE.....	13
2.7 OMNET SIMULATOR.....	13
2.7.1 <i>Inetmanet</i>	14
2.7.2 <i>Result File</i>	15
3. PEMODELAN SIMULASI	17
3.1 LINGKUNGAN SIMULASI	17
3.2 MODEL SIMULASI.....	18
3.2.1 <i>Topologi Jaringan</i>	18
3.2.2 <i>Model Aplikasi</i>	19
3.2.3 <i>Modul Simulasi</i>	20
3.3 METRIK	22
3.4 VARIABEL PENGUJIAN	22
3.5 SKENARIO SIMULASI.....	23
4. ANALISIS HASIL SIMULASI	30
4.1 SKENARIO 1	30
4.2 SKENARIO 2	33
4.3 SKENARIO 3	36
4.4 SKENARIO 4	39
4.5 SKENARIO 5	42
5. KESIMPULAN DAN SARAN.....	45

5.1	KESIMPULAN.....	45
5.2	SARAN	45
REFERENSI.....		46