Daftar Isi

Kata Pengantar vii

Daftar Isi..... viii

Daftar Gambar..... xi

Daftar Tabel xiii

Daftar Istilah..... xiv

BAB I 1

PENDAHULUAN 1

1.1 Perumusan masalah 3

1.2 Batasan Masalah.....3

1.3 Tujuan.....4

1.4 Metodologi penyelesaian masalah.....4

Studi literature.....4

Analisis dan Perancangan Sistem 5

Implementasi.....5

Ujicoba dan Evaluasi 5

BAB II.....7

LANDASAN TEORI.....7

2.1. Wireless Lan (WLAN) 7

2.1.1. WLAN dengan Infrastruktur.....8

2.1.2. WLAN tanpa infrastruktur (Ad-Hoc).....9

2.2. Zone Routing Protokol (ZRP) 15

2.3. Destination Sequence Distanace Vector (DSDV) 17

2.4. Jaringan Hybrid Ad Hoc Wireless.....19

2.5. NETWORK SIMULATOR -2 20
BAB III 23
PERANCANGAN MODEL SIMULASI 23
3.1 Lingkungan Simulasi 23
3.2 Pemodelan Simulasi 23
3.2.1 Pemodelan Jaringan Hybrid Ad Hoc Wireless 23
3.2.2 Pemodelan mobilitias dan topologi 24
3.2.3 Pemodelan Trafik 25
3.3 Skenario Simulasi 26
3.4 Parameter Uji 26
3.4.1. End to end delay (Av) 27
3.4.2. Packet Delivery Ratio (%) 27
3.4.3. Routing Overhead (%) 27
3.4.4. Packet Loss Ratio (%) 28
3.4.5. Delay Convergence Time (s) 28
BAB IV 29
ANALISIS HASIL SIMULASI 29
4.1 Packet Delivery Ratio 29
4.2 Packet Loss Ratio 30
4.3 Convergence Time 31
4.4 Routing Overhead 32
4.5 End To End Delay 33
KESIMPULAN DAN SARAN 35
5.1 Kesimpulan 35
5.2 Saran 36
Daftar Pustaka 37

LAMPIRAN A 39
1. Convergence Time 39
2. Packet Delivery Ratio 39
3. Packet Loss Ratio 40
4. Routing Overhead 41
5. End to End Delay 43
LAMPIRAN B 44
Rumus Perhitungan AWK 44
Packet Delivery Ratio (PDR) 44
Packet Loss Ratio (PLR) 44
Routing Overhead (RO) 45
Convergence Time (CT) 46
End To End Delay 48
LAMPIRAN C 52