

LIST OF FIGURES

Figure 2-1 Illustration queue with default priority.....	5
Figure 2-2 Time scale on congestion	6
Figure 2-3 Illustration of congestion in a route.....	7
Figure 2-4 Taxonomy congestion control diagram.....	8
Figure 2-5 Example of open loop congestion control.....	9
Figure 2-6 Example of closed loop congestion control	9
Figure 2-7 Star Physical Network Architecture.....	10
Figure 2-8 The TCP / IP network architecture.....	11
Figure 2-9 Header from TCP protocol	12
Figure 3-1 Research Flow Chart	19
Figure 3-2 Dumbbell Bottleneck Topology architecture used for simulation	20
Figure 3-3 Topology Implementation of CoDel Algorithm on Simulation	21
Figure 3-4 Flow Chart PQM DropTail Algorithm	22
Figure 3-5 Flow Chart AQM CoDel Algorithm	23
Figure 4-1 Comparison of Packet Loss Ratio on DropTail and CoDel	30
Figure 4-2 Comparison of Average Delay on DropTail and CoDel	32
Figure 4-3 Comparison of Average Jitter on DropTail and CoDel.....	34
Figure 4-4 Comparison of Throughput on DropTail and CoDel	36