

## **LIST OF TABLES**

Table 2.1 Table of Advantages and Disadvantages of Classification Methods.....	7
Table 2.2 Comparison of Fuzzy Logic in Previous Studies.....	36
Table 2.3 Differences Between Wifi, Cable, and LoRa.....	42
Table 2.4 QoS Parameter Index .....	43
Table 2.5 Troughput Parameter Index .....	44
Table 2.6 Indeks Parameter Delay .....	45
Table 2.7 Packet Loss Parameter Index .....	46
Table 2.8 Differences Between the Author's Research and Related Studies .....	47
Table 3.1 Rule Based System .....	33
Table 3.2 Test Scenarios .....	38
Table 4.1 Analysis of Vital Signs Data.....	40
Table 4.2 Analisa Quality Of Service .....	41
Table 4.3 Analisa Data Vital Signs.....	42
Table 4.4 Comparison the Temperature Sensor Used with a Thermometergun....	43
Table 4.5 Comparison the Heart Rate Sensor With a Oximeter .....	44
Table 4.6 Comparison Between the SPO2 Sensor With a Oximeter .....	45
Table 4.7 Quality Analysis Of Service 2nd Trial.....	47
Table 4.8 QoS Results of the 3rd Test .....	48
Table 4.9 buildings with 1st Floor and 2 st Floor and Within 500 m & 1 km.....	48
Table 4.10 Tabel Perbandingan Troughput.....	50
Table 4.11 Packet Loss Comparison Table.....	50
Table 4.12 MAPE VITAL SIGNS Test Results .....	53
Table 4.13 MAPE QoS Test Results.....	53