

LIST OF FIGURES

Figure 1. 1 Spectrum Rental Scheme for Micro Operators.....	3
Figure 1. 2 Research Flowchart.....	6
Figure 2. 1 Scenario of 5G Usage	9
Figure 2. 2 Use of the 5G Spectrum according to Technology.....	10
Figure 2. 3 Schematic of Micro Operator Infrastructure.....	12
Figure 2. 4 Stakeholder Micro Operators.....	13
Figure 2. 5 Vertical Ecosystem	14
Figure 2. 6 Horizontal Ecosystem	15
Figure 2. 7 Oblique Ecosystem	16
Figure 2. 8 Micro Operator Service Model.....	17
Figure 2. 9 Frequency Allocation Map	18
Figure 2. 10 Spectrum Frequency Allocation and Licensing Method	19
Figure 2. 11 Auction Process	21
Figure 2. 12 Types of Auctions.....	22
Figure 2. 13 Business Dimensions of Model V ⁴	31
Figure 3. 1 Spectrum Rental Scheme for Micro Operators.....	32
Figure 3. 2 Map of Karawang International Industrial City.....	34
Figure 3. 3 Traffic Demand.....	36
Figure 4. 1 Forecasting Number of Users	43
Figure 4. 2 Forecasting Number of Sites	43
Figure 4. 3 Comparison of CAPEX scenarios 1 and 2.....	44
Figure 4. 4 Comparison of OPEX scenarios 1 and 2	44
Figure 4. 5 Comparison of OPEX scenarios 1 and 2	46