

LIST OF TABLES

Table 2.1 5G requirements	8
Table 2.2 MOCN implementation in Indonesia	12
Table 2.3 MOCN implementation in other countries	12
Table 2.4 Advantages and disadvantages of Payback Period	15
Table 2.5 Advantages and disadvantages of Accounting Rate of Return	16
Table 2.6 Advantages and disadvantages of Net Present Value	17
Table 2.7 Advantages and disadvantages of Profitability Index	18
Table 2.8 Advantages and disadvantages of Internal Rate of Return	19
Table 2.9 Advantages and disadvantages of Modified Rate of Return	20
Table 3.1 Geographic type characterization	23
Table 4.1 Mobile BTS penetration	30
Table 4.2 Number of mobile subscribers	31
Table 4.3 Definition of the frequency range	32
Table 4.4 List of 5G NR network deployments	32
Table 4.5 Estimated need for 5G NR in Bandung	38
Table 4.6 Number of gNodeBs in Bandung	39
Table 4.7 Estimated need for 5G NR in Sumedang	40
Table 4.8 Number of gNodeBs in Sumedang	40
Table 4.9 Link budget parameters of 5G NR at frequency 2300 MHz	40
Table 4.10 5G NR calculation results at frequency 2300 MHz	41
Table 4.11 Link budget parameters of 5G NR at frequency 2300 MHz	42
Table 4.12 5G NR calculation results at frequency 2300 MHz	42
Table 4.13 Capital Expenditures (CAPEX)	45
Table 4.14 Operating Expenses (OPEX)	45
Table 4.15 Average Revenue Per User (ARPU)	45
Table 4.17 Amendments to Articles of Law no. 36 of 1999	77
Table 4.18 Data rate 5G NR at frequency 2300 MHz	95
Table 4.19 Regulation of the Minister of Communication and Information Technology Number 4 of 2020 concerning the Use of the 2.3 GHz Radio Frequency Spectrum	97