

LIST OF TABLES

Table 2.1 IMT-2020 5G Requirements for eMBB services.....	23
Table 2.2 High-Level Characteristics of proposed 5G FWA frequency.....	28
Table 3.1 Citra Raya Cikupa Demographics.....	34
Table 3.2 Citra Raya Cikupa Traffic Forecast	36
Table 3.3 GnodeB Parameters.....	37
Table 3.4 User Equipment Parameters.....	38
Table 3.5 5G Additional Losses.....	38
Table 3.6 5G FWA Coverage Dimensioning	39
Table 3.7 NPV Value Decision Rule	41
Table 4.1 Number of BS required based on Capacity Dimensioning	43
Table 4.2 Number of BS required based on Coverage Dimensioning	44
Table 4.3 Number of final GnodeB required	44
Table 4.4 CAPEX per GnodeB	45
Table 4.5 CAPEX for 5G FWA Deployment in Citra Raya Cikupa.....	45
Table 4.6 OPEX for 5G FWA Deployment in Citra Raya Cikupa	47
Table 4.7 OPEX for 5 Years deployment	47
Table 4.8 Revenue Projection	48
Table 4.9 5G Mid-band Present Value.....	48
Table 4.10 5G Millimeter Wave Present Value	48
Table 4.11 5G Mid-band Net Present Value	49
Table 4.12 5G Millimeter Wave Net Present Value	49
Table 4.13 5G Mid-band Internal Rate of Return	50
Table 4.14 5G Millimeter Wave Internal Rate of Return.....	50
Table 4.15 3.4 – 4.2 GHz Spectrum Allocation.....	53
Table 4.16 Regulation of 3.5 GHz Spectrum Re-allocation	55
Table 4.17 Regulation of 28 GHz Spectrum Allocation	56
Table 4.18 Current 5G Standardization from 3GPP	57
Table 4.19 Regulation of Sharing Resources	58