

LIST OF FIGURES

Figure 1. 1 Energy Production Solar Power Plant	5
Figure 1. 2. Life Cycle Cost Method	5
Figure 1. 3. Levelized Cost of Energy (LCOE)	6
Figure 2. 1. Characteristic Curve of the Solar Frontier SF170-S Solar Module [9]	13
Figure 2. 2. Bathub Curve [10]	14
Figure 2. 3. SMA 20KV Inverter Electronic Circuit [9].....	15
Figure 2. 4. Shows The Distribution Network In The Research Allocation For Solar Power Plants Located In Purwakarta, West Java, Indonesia	16
Figure 4. 1 1 MWp Solar Power Plant (PLTS) research study at Purwakarta, West Java, Indonesia	36
Figure 4. 2 Production Scenario of Solar Power Plant.....	37
Figure 4. 3. Production Projection Using MS Excel.....	44
Figure 4. 4. Measurement of Radiation at The Research Location 9 September 2024....	45
Figure 4. 5. Production graph scenario 1,2,3	56
Figure 4. 6. Graph of Solar Power Plant Production Results for 3 Scenarios Over a 20-Year Period	56
Figure 4. 7. Case Study Of Maintenance Scenarios for a Solar Power Plant.....	60
Figure 4. 8. Labor Costs of Solar Power Plant.....	64
Figure 4. 9. Grafik LCOE (IDR/kWh).....	75