

Analisis kelayakan investasi dan risiko keuangan, hukum dan operasional pada proyek pembangunan solar farm 10 mega watt (MW) PT Pertamina (Persero) = Investment and financial legal operational risk analysis of 10 mega watt (MW) solar farm project PT Pertamina (Persero)

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Abstrak

Penelitian ini menganalisis kelayakan investasi dan risiko keuangan, hukum, dan operasional pada proyek Pembangunan Solar Farm 10 MW PT Pertamina (Persero). Analisis capital budgeting dan simulasi Monte Carlo yang dilakukan menghasilkan nilai NPV bernilai positif US\$ 3,479 ribu, IRR sebesar 11.2%, DPP 17.9 tahun dan PI 1.1 sehingga proyek layak untuk dilaksanakan. Analisis risiko hukum dan operasional proyek melalui risk register menghasilkan lima potensi risiko hukum dan lima potensi risiko operasional dimana semua potensi risiko memiliki dampak risiko rendah setelah dilakukan mitigasi.

.....This research was analysing the feasibility of investment and financial, legal and operational risks of 10 Mega Watt (MW) Solar Farm Project PT Pertamina (Persero). Capital budgeting analysis and Monte Carlo simulation which were run generated the value of positive US\$ 3,479 thousands NPV, 11.2% IRR, 17.9 years DPP and 1.1 PI which indicate the project was feasible to be implemented. Legal and operational risk analysis were done through risk register which produced five legal risks and five operational risks where all of the potential risks could have low impact after mitigation.