

Analisis keekonomian rencana pengembangan pertama lapangan X untuk optimalisasi penerimaan negara bukan pajak = The economic analysis of the first plan of development in the field of X for optimizing non tax government take

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20432604&lokasi=lokal>

Abstrak

Perencanaan Pengembangan Pertama Lapangan Gas Bumi adalah salah satu faktor yang sangat penting dalam upaya mengoptimalkan kegiatan usaha hulu gas bumi. Hal ini perlu dianalisis secara teknis, ekonomis dan lingkungan namun studi ini berfokus pada analisis ekonomis. Hasil studi menunjukkan bahwa nilai Net Present Value (NPV) Kontraktor dan Indonesia bernilai lebih besar dari 0 (positif), Interest Rate of Return (IRR) lebih besar dari Minimum Attractive Rate of Return (MARR), dan Pay Out Time (POT) sekitar 2 tahun setelah berproduksi. Hal ini berarti bahwa perencanaan pengembangan lapangan X layak dilaksanakan sesuai hasil analisis keekonomian. Berdasarkan uji sensitivitas diperoleh bahwa lapangan X ini layak dikembangkan jika nilai harga Gas Bumi minimal 4,84 US\$/MMBTU, dan jika semakin rendah biaya Operasi. Penerimaan Negara Bukan Pajak akan optimal jika harga gas bumi semakin tinggi, belanja modal semakin rendah, belanja operasi semakin rendah dan menggunakan metode double declining depreciation selama 5 tahun.

.....First Plan Of Development (POD I) of Natural Gas Field is one of the very important factors for optimizing Natural gas Upstream business activities. It should be analyzed for technical and economic. The study is performing economic analysis after technical analysis on Field of X, Natural Gas Field. The Study shows that Net Present Value(NPV) contractor and Indonesia more than 0 (positive), Interest Rate of Return (IRR) more than Minimum Attractive rate of Return (MARR), Pay Out Time around 2 years after production. It means that First Plan of Development (POD I) is interesting to be implemented as the result of economic analysis. Based On the result of sensitivity test, Field of X is interesting to be improved if the price of natural gas at least 4.84 US\$/MMBTU, and if operation and maintenance expenditure is smaller than existing condition. Non-tax Government Take will be optimized if the price of natural gas is increased, the capital expenditure and operation expenditure is decreased, and using double declining depreciation for 5 years.