

Penentuan Jumlah Energi Gas Bumi Cair Dengan Metode Custody Transfer Measurement System Di Floating Storage Regasification Unit X = Determination of The Amount of Liquid Natural Gas Energy Using Custody Transfer Measurement Method In FSRU X

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Abstrak

Gas alam merupakan sumber energi yang saat ini dibutuhkan oleh negara maju maupun negara berkembang. Selama ini gas bumi diangkut menggunakan pipa dari sumber gas ke pembeli gas, namun di Indonesia tentunya hal ini menjadi tantangan tersendiri mengingat Indonesia merupakan negara kepulauan yang didominasi oleh perairan, sehingga membangun jaringan pipa tentunya membutuhkan biaya investasi yang besar. Dalam proses komersialisasi LNG terjadi proses jual beli antara pihak-pihak yang berkepentingan, dimana proses jual beli ini akan dilakukan dengan metode custody transfer untuk menghitung volume LNG yang dibeli atau dimasukkan ke tangki penyimpanan di terminal penerima LNG. Perhitungan penentuan jumlah LNG mengacu pada beberapa standar yang telah disepakati antar pihak. Tujuan dari makalah ini adalah untuk menentukan jumlah energi Liquefied Natural Gas (LNG) selama bongkar muat di terminal Floating Storage Regasification System

.....Natural gas is an energy source that is currently very much needed by both developed and developing countries. So far, natural gas has been transported using pipes from gas sources to gas buyers, but in Indonesia, of course, this will be a challenge considering that Indonesia is an archipelagic country that is dominated by waters, so building a pipeline will certainly require a large investment cost. In the LNG commercialization process, there is a buying and selling process between interested parties, where this buying and selling process will be carried out by Custody Transfer to calculate the energy of LNG purchased or put into storage tanks at the LNG receiving terminal. The calculation for determining the amount of LNG refers to several standards that have been agreed upon between parties. The objective of this paper is to share a method to determine the energy of Liquefied Natural Gas (LNG) during loading/unloading in FSRU/LNG terminal, as a result, given the understanding of LNG custody measurement in LNG operation and commercial terms.