

## Analisis kelayakan finansial investasi stasiun pengisian bahan bakar gas adsorbed natural gas (SPBG ANG) = Financial feasibility investment analysis a filling station adsorbed natural gas

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### Abstrak

Program Pemerintah dalam mencari energi gas alternatif sektor Rumah Tangga agar mengurangi impor LPG, salah satunya adalah Adsorbed Natural Gas (ANG). Penelitian ini bertujuan untuk menganalisis kelayakan investasi Stasiun Pengisian Bahan Bakar Gas Adsorbed Natural Gas (SPBG ANG) dengan 3 skenario yaitu I.Tanpa subsidi Pemerintah; II.Subsidi Pemerintah untuk Tabung dan Karbonaktif; III.Subsidi Pemerintah untuk biaya investasi, Tabung dan Karbonaktif.

Hasil menunjukkan bahwa harga jual gas ANG masing-masing skenario adalah: Rp87.660; Rp70.714; Rp24.846. NPV untuk masing-masing skenario adalah: Rp5.364.324.075; Rp5.358.785.001; Rp789.756.318. Berdasarkan perhitungan NPV at Risk dengan tingkat keyakinan 95% diperoleh hasil skenario I , II dan III layak dilaksanakan.

.....Government programs to explore alternative gas energy for household sector, aiming at reducing LPG imports, one of which is Adsorbed Natural Gas (ANG). This study aims to analyze the feasibility of SPBG ANG with three scenarios: I. without government subsidy; II government subsidies for the cylinder and carbonactive; III. government subsidies for investment costs, the cylinder and carbonactive.

The results showed the price of gas ANG for each scenarios: Rp87.660; Rp70.714; Rp24.846. NPV for each scenarios: Rp5.364.324.075; Rp5.358.785.001; Rp789.756.318. Based on NPV at Risk with a confidence level of 95 % obtained results for scenario I, II and III are feasible.