

Analisis permintaan gas bumi oleh perusahaan besar dan sedang di sektor industri pengolahan pada tahun 2007-2011 = Natural gas demand analysis by large and medium companies in manufacturing sector in 2007-2011 / Afi Nursyifa

Afi Nursyifa, author

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Abstrak

[Sejalan dengan upaya pemerintah untuk meningkatkan penggunaan energi alternatif di sektor industri, maka kebutuhan terhadap energi gas bumi akan terus meningkat. Hal ini karena gas bumi merupakan energi alternatif yang harganya relatif murah dan ramah lingkungan. Dengan meningkatnya kebutuhan terhadap gas bumi, permasalahan yang dihadapi adalah jumlah permintaan yang tidak sebanding dengan jumlah pasokan. Akibatnya, permintaan gas bumi oleh perusahaan di sektor industri tidak dapat terpenuhi secara maksimal. Penelitian ini dilakukan untuk mengidentifikasi faktor-faktor yang mempengaruhi permintaan gas bumi oleh perusahaan besar dan sedang di sektor industri pengolahan pada periode tahun 2007-2011. Selain itu juga untuk memberikan masukan kebijakan terkait upaya yang dapat dilakukan dalam rangka memenuhi permintaan gas bumi yang semakin meningkat ke depannya. Analisa dilakukan terhadap data Statistik Industri Besar dan Sedang pada tahun 2007-2011 yang dikeluarkan oleh Badan Pusat Statistik Indonesia dengan menggunakan metode estimasi Ordinary Least Square. Hasil analisis menunjukkan bahwa faktor-faktor yang signifikan mempengaruhi permintaan gas bumi oleh perusahaan besar dan sedang di industri pengolahan adalah harga gas, harga solar, harga LPG, harga/upah tenaga kerja, status penanaman modal, orientasi pasar, wilayah/kawasan, waktu/tahun, dan jenis industri. In line with the government's efforts to increase the use of alternative energy in the industrial sector, the demand for natural gas energy will continue to increase. This is because natural gas is an alternative energy that is relatively cheap and environmentally friendly. With the increasing demand for natural gas, the problem faced is the amount of demand that are not proportional to the amount of supply. As a result, demand for natural gas by companies in the industrial sector cannot be met to the fullest. This study was conducted to identify factors that affect the demand for natural gas by large and medium enterprises in the manufacturing sector in the period 2007-2011. In addition, to provide policy advice related efforts to do in order to meet the growing demand for natural gas increases in the future. We analyzed the data of Large and Medium Industrial Statistics in the year 2007-2011 issued by the Indonesian Central Bureau of Statistics estimated using Ordinary Least Square method. The analysis showed that the factors that significantly affect the demand for natural gas by large and medium enterprises in the manufacturing industry is the price of gas, the price of diesel, LPG prices, the

price/wage labor, the status of capital investment, market orientation, area/region, time/year, and type of industry., In line with the government's efforts to increase the use of alternative energy in the industrial sector, the demand for natural gas energy will continue to increase. This is because natural gas is an alternative energy that is relatively cheap and environmentally friendly. With the increasing demand for natural gas, the problem faced is the amount of demand that are not proportional to the amount of supply. As a result, demand for natural gas by companies in the industrial sector cannot be met to the fullest. This study was conducted to identify factors that affect the demand for natural gas by large and medium enterprises in the manufacturing sector in the period 2007-2011. In addition, to provide policy advice related efforts to do in order to meet the growing demand for natural gas increases in the future. We analyzed the data of Large and Medium Industrial Statistics in the year 2007-2011 issued by the Indonesian Central Bureau of Statistics estimated using Ordinary Least Square method. The analysis showed that the factors that significantly affect the demand for natural gas by large and medium enterprises in the manufacturing industry is the price of gas, the price of diesel, LPG prices, the price/wage labor, the status of capital investment, market orientation, area/region, time/year, and type of industry.]