

Pengembangan formula harga gas yang optimal untuk industri pupuk = Development of optimal gas pricing formula for fertilizer industry

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Abstrak

Pengembangan formula harga gas telah dilakukan dengan mempertimbangkan daya beli industri pupuk dan keuntungan yang diperoleh produsen gas. Formula diperoleh dengan metode regresi linier berganda terhadap variabel-variabel Indonesian Crude Oil Price (ICP), efisiensi pabrik, serta harga urea dan amoniak internasional dengan deviasi tertinggi 5,2% dan rata-rata 2,86%. Rata-rata harga gas ke industri pupuk berdasarkan formula hasil pengembangan sebesar 6,054 US\$/MMBTU dengan rentang antara 5 - 7 US\$/MMBTU. Formula hasil pengembangan mampu memberikan harga gas yang berkisar pada harga gas yang berlaku saat ini, sensitif terhadap fluktuasi ICP dan relevan terhadap trend kenaikan harga gas ke industri pupuk selama ini.

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The gas pricing formula development is considering the fertilizer industries buying ability and the gas producer benefit. The formula obtained by multiple linear regression method with the Indonesian Crude Oil Price (ICP), plant efficiency and urea and ammonia international price as variables, with the 5.2% highest deviation and 2.86% average deviation . The formula based gas average price to fertilizer industries is 6.054 US\$/MMBTU with the range between 5 - 7 US\$/MMBTU. The formula is able to produce gas price range near to the actual current price, sensitive to ICP fluctuations and relevant to the gas price to fertilizer industries increasing trend.