

Eksplorasi minyak dan gas Indonesia dengan analisis geological and economic variables = Oil and gas exploration with geological and economic variables in Indonesia

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Abstrak

[Studi-studi model eksplorasi secara umum menjelaskan perilaku eksplorasi dengan analisis variabel geologi dan ekonomi pada tingkat makro seperti wilayah, provinsi dan negara. Pada kenyataannya, cadangan migas dan kedalaman sumur masing-masing menentukan tingkat volume temuan dan biaya pengeboran yang dijelaskan secara spesifik pada tingkat basin geologis. Penelitian ini fokus pada tingkat pengeboran eksplorasi (wells drilled) dengan analisis variabel geologi dan ekonomi menggunakan 32 basin geologis di Indonesia dalam periode 2004-2014. Hasil estimasi model empiris menunjukkan bahwa tingkat pengeboran eksplorasi ditentukan oleh tingkat keberhasilan penemuan migas (lag of success rate), volume temuan migas (lag of discovery size of oil and gas) dan lokasi basin (region). Sedangkan variabel ekonomi yang menentukan tingkat pengeboran eksplorasi terdiri dari harga minyak dunia (lag of oil price). Selain itu, depleksi minyak berdampak signifikan menjelaskan tingkat pengeboran eksplorasi dengan karakteristik basin Indonesia yang didominasi oleh mature oil fields.

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