

Analisa decision support system (DDS), teknologi, manajemen resiko terhadap efektifitas bisnis cadangan hydrocarbon-PT Pertamina EP = Analysis of decision support system (DDS) implementation technology and risk management on business effectiveness in hydrocarbon reserve PT. Pertamina EP / Dedy Wijanarko

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Abstrak

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Dalam melaksanakan kegiatan investasi, setiap perusahaan yang bergerak dalam kegiatan hulu migas harus mempertimbangkan segala aspek resiko terkait dengan pengambilan keputusan investasi. Pengembangan lapangan yang memiliki cadangan hydrocarbon harus dilakukan secara cermat dan mengelola segala factor resiko yang ada. Terkait dengan investasi, proyek migas mempunyai ketidakpastian yang relative tinggi, khususnya yang berhubungan dengan aspek geologi, komersialitas dan resiko lainnya sehingga diperlukan sebuah system yang mendukung untuk mempercepat pengambilan keputusan. Penelitian ini bertujuan untuk menganalisis pengaruh implementasi Decision Support System DSS , Teknologi dan Manajemen Resiko untuk meningkatkan efektivitas bisnis di PTABC khususnya Kantor Pusat, Asset 1 dan Asset 5. Hasil penelitian menunjukkan bahwa ada bukti bahwa DSS dan Teknologi dapat mempengaruhi Efektivitas Bisnis, tetapi tidak ada bukti bahwa Manajemen Risiko dapat mempengaruhi Efektivitas Bisnis.

ABSTRACT

In term of investment, any company dealing with upstream oil and gas business should consider all risks associated with its investment. Before companies decide to invest, they must firstly identify and evaluate all risks using the Risk Management Framework. It is important because investment in oil and gas sector has a relatively high uncertainty, particularly due to geological, commercial aspects and other risks. Therefore, a Decision Support System DSS is required in order to accelerate decision making process. In terms of DSS application, its features e.g., speed and reliability will surely affect the performance of decision making process and end user satisfaction. This study is aimed at analyzing the influence of Decision Support System DSS , Technology and Risk Management in improving Business Effectiveness of PT ABC particularly its headquarter, and business units Asset 1 and Asset 5 . The result of study shows that there are evidences that DSS and Technology could affect to Business Effectiveness, but there is no evidence that Risk Management could affect Business Effectiveness.