

# Perencanaan strategis sistem informasi penyedia jasa pengeboran studi kasus PT. Pertamina drilling services Indonesia = Strategic planning of information system for drilling services provider case study PT. Pertamina drilling services Indonesia

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## Abstrak

[<b>ABSTRAK</b><br> Pemanfaatan sistem informasi dan teknologi SI TI dalam bisnis drilling atau pengeboran dapat membantu perusahaan dalam pencapaian tujuan bisnisnya PT Pertamina Drilling Services PDSI merupakan perusahaan yang berfokus pada bisnis pengeboran dan well services PDSI belum dapat memaksimalkan pemanfaatan SI TI sebab adanya berbagai faktor internal dan eksternal seperti belum adanya integrasi aplikasi antar fungsi perusahaan pengembangan SI TI belum terarah serta belum memiliki strategi SI TI yang baik dalam membantu perusahaan mencapai tujuan bisnis Permasalahan tersebut dapat diatasi dengan adanya dokumentasi perencanaan strategis sistem SI TI yang selaras dengan tujuan bisnis Perencanaan strategis SI TI yang dikembangkan dalam penelitian ini menggunakan metodologi Ward Peppard dengan beberapa metode analisa pendukung seperti SWOT Balance Scorecard BSC Five Forces Model PEST Mc Farlan Matriks serta tren teknologi informasi saat ini dalam menganalisis internal eksternal bisnis dan SI TI perusahaan Hasil dari perencanaan strategis SI TI ini adalah strategi management SI TI berupa usulan baru akan hadirnya struktur IT Steering Committee di PDSI sebagai komite penengah serta penyelaras antara bisnis dengan TI termasuk tata kelola TI strategi SI TI berupa integrasi aplikasi dengan sistem SAP seperti Timesheet Management dengan modul I P2P Sistem Monitoring Aset Rig dengan modul FI Online Maintenance System dengan modul Plant Maintenance dan sebagainya serta strategi pemanfaatan tren teknologi ke depan seperti enterprise cloud bagi perusahaan sampai kepada roadmap implementasi SI TI di PDSI <b>ABSTRACT</b><br> Use of information systems and technology IS IT in the business of drilling can help the company in achieving its business objectives PT Pertamina Drilling Services PDSI is a company focused on the business of drilling and well services PDSI have not been able to maximize the use of the IS IT because the various internal and external factors such as the lack of cross functional enterprise application integration development of IS IT is not directed and do not have a strategy of IS IT in helping companies achieve business objectives These problems can be overcome with the strategic planning documentation system IS IT are aligned with business goals Strategic planning of IS IT are developed in this study using the methodology Ward Peppard with several methods of support such as SWOT analysis Balanced Scorecard BSC Five Forces Model PEST Mc Farlan matrix as well as current information technology trends in the internal external analyzing business and IS IT companies The results of the strategic planning of IS IT is strategic management IT in the form of a new proposal for the present structure of the IT Steering Committee The committee PDSI as mediator and alignment between business and IT including IT governance the strategy of IS IT in the form of application integration with SAP systems such as Timesheet Management with I P2P module Asset Monitoring system Rig with FI module Online Maintenance system with Plant Maintenance module and so on as well as the utilization strategy ahead of technology trends such as enterprise cloud roadmap for the company until the implementation of IS IT in PDSI ;Use of information systems and technology IS IT in the business of drilling can help the company in

achieving its business objectives PT Pertamina Drilling Services PDSI is a company focused on the business of drilling and well services PDSI have not been able to maximize the use of the IS IT because the various internal and external factors such as the lack of cross functional enterprise application integration development of IS IT is not directed and do not have a strategy of IS IT in helping companies achieve business objectives These problems can be overcome with the strategic planning documentation system IS IT are aligned with business goals Strategic planning of IS IT are developed in this study using the methodology Ward Peppard with several methods of support such as SWOT analysis Balanced Scorecard BSC Five Forces Model PEST Mc Farlan matrix as well as current information technology trends in the internal external analyzing business and IS IT companies The results of the strategic planning of IS IT is strategic management IT in the form of a new proposal for the present structure of the IT Steering Committee The committee PDSI as mediator and alignment between business and IT including IT governance the strategy of IS IT in the form of application integration with SAP systems such as Timesheet Management with I P2P module Asset Monitoring system Rig with FI module Online Maintenance system with Plant Maintenance module and so on as well as the utilization strategy ahead of technology trends such as enterprise cloud roadmap for the company until the implementation of IS IT in PDSI ;Use of information systems and technology IS IT in the business of drilling can help the company in achieving its business objectives PT Pertamina Drilling Services PDSI is a company focused on the business of drilling and well services PDSI have not been able to maximize the use of the IS IT because the various internal and external factors such as the lack of cross functional enterprise application integration development of IS IT is not directed and do not have a strategy of IS IT in helping companies achieve business objectives These problems can be overcome with the strategic planning documentation system IS IT are aligned with business goals Strategic planning of IS IT are developed in this study using the methodology Ward Peppard with several methods of support such as SWOT analysis Balanced Scorecard BSC Five Forces Model PEST Mc Farlan matrix as well as current information technology trends in the internal external analyzing business and IS IT companies The results of the strategic planning of IS IT is strategic management IT in the form of a new proposal for the present structure of the IT Steering Committee The committee PDSI as mediator and alignment between business and IT including IT governance the strategy of IS IT in the form of application integration with SAP systems such as Timesheet Management with I P2P module Asset Monitoring system Rig with FI module Online Maintenance system with Plant Maintenance module and so on as well as the utilization strategy ahead of technology trends such as enterprise cloud roadmap for the company until the implementation of IS IT in PDSI ;Use of information systems and technology IS IT in the business of drilling can help the company in achieving its business objectives PT Pertamina Drilling Services PDSI is a company focused on the business of drilling and well services PDSI have not been able to maximize the use of the IS IT because the various internal and external factors such as the lack of cross functional enterprise application integration development of IS IT is not directed and do not have a strategy of IS IT in helping companies achieve business objectives These problems can be overcome with the strategic planning documentation system IS IT are aligned with business goals Strategic planning of IS IT are developed in this study using the methodology Ward Peppard with several methods of support such as SWOT analysis Balanced Scorecard BSC Five Forces Model PEST Mc Farlan matrix as well as current information technology trends in the internal external analyzing business and IS IT companies The results of the strategic planning of IS IT is strategic management IT in the form of a new proposal for the present structure of the IT Steering Committee The committee PDSI as mediator and alignment between business and IT

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