

ANALISA PRIORITAS *PROJECT RISK* MANAGEMENT MENGGUNAKAN SMARTER (*SIMPLE MULTI-ATTRIBUTE RATING TECHNIQUE* *EXPLOITING RANKS*)

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ABSTRAK

Penerapan ERP (*Enterprise Resource Planning*) dalam sebuah perusahaan merupakan salah satu solusi untuk *Project Management*. ERP memungkinkan adanya peningkatan kinerja dengan cara menyesuaikan integrasi data. Sesuai dengan metodologi PMBOK (*Project Management Body of Knowledge*) ERP terbagi dalam sembilan modul, salah satunya adalah manajemen risiko proyek (*Project Risk Management*) merupakan proses yang sistematis dari identifikasi, analisis, respon, dan pengendalian risiko proyek yang diperlukan sebuah perusahaan untuk meningkatkan pelayanan sehingga dapat memperoleh keuntungan yang maksimal. Fungsionalitas pada *Project Risk Management* terdiri dari enam proses yaitu *Risk Management Planning*, *Risk Identification*, *Qualitative Risk Analysis*, *Quantitative Risk Analysis*, *Risk Response Planning* dan *Risk Monitoring & Controlling*. Dalam penelitian ini telah menggunakan metode SMARTER (*Simple Multi-Attribute Rating Technique Exploiting Ranks*) untuk menentukan prioritas risiko pada *Project Risk Management*. Dari rancang bangun aplikasi, perangkat lunak yang dihasilkan telah memenuhi 72,73% sesuai PMBOK dari keseluruhan fungsional yang ada dan berdasarkan user SAP PT SEMEN GRESIK (PERSERO) Tbk. diperoleh kepuasan sebesar 81,82%.

Kata Kunci : ERP (*Enterprise Resource Planning*), *Project Risk Management*, SMARTER (*Simple Multi Attribute Rating Technique Exploiting Ranks*)

PRIORITY PROJECT RISK MANAGEMENT ANALYSIS USING THE SMARTER (SIMPLE MULTI- ATTRIBUTE RATING TECHNIQUE EXPLOITING RANKS)

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ABSTRACT

Implementation of ERP (Enterprise Resource Planning) in a company is one of the solutions for Project Management. ERP allows an increase in performance by adjusting the data integration. In accordance with the methodology PMBOK (Project Management Body of Knowledge) ERP is divided into nine modules, one of which is the risk management project (Project Risk Management) is a systematic process of identification, analysis, response, and risk control project required a company to improve service so as to obtain the maximum benefit. The functionality of the Project Risk Management consists of six processes are Risk Management Planning, Risk Identification, Qualitative Risk Analysis, Quantitative Risk Analysis, Risk Response Planning, and Risk Monitoring & Controlling. Research has used method SMARTER (Simple Multi-Attribute Rating Technique Exploiting Ranks) to determine the risk priority on Project Risk Management. From applications experiments, the resulting software has met 72.73% of the whole suit PMBOK existing functional and user based SAP PT Semen Gresik (Persero) Tbk. satisfaction gained 81.82%.

Keywords : ERP (Enterprise Resource Planning), Project Risk Management, SMARTER (Simple Multi Attribute Rating Technique Exploiting Ranks)