

**DEVELOPMENT OF WEB INTERFACE PROTOTYPE FOR RISK PROFILE MAPPING IN RAW MATERIALS PROCUREMENT BUSINESS PROCESS PT SEMEN GRESIK, TBK**

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**Abstract**

PT. Semen Gresik (Persero), Tbk is the largest cement factory in Indonesia with up to 45% market share in the nation’s cement market and a 7% annual production volume growth. Production volume is greatly affected by the raw materials availability, hence PT. Semen Gresik (Persero), Tbk has to develop an excellent raw material procurement system to support its production system. This research aims to identify the potential risk that could occur at the procurement division’s business and end integrates the whole process on the web interface to facilitate its application for the company.

The first step conducted in the research is the study of company’s business process, which provides strategic objectives for the procurement division. The next step is to conduct a risk assessment using AS/NZS 4360 framework based on the strategic objectives. Risk assessment is conducted thorough three steps, the identification of critical risks, the evaluation of likelihood and consequences for each critical risks, and finally the risk profile mapping based on the likelihood and consequences score. The result shown that the highest risk occurs when the supply of raw materials and kraft paper is disturbed/delayed (pilihen satu), which made this risk become the first priority in risk mitigation.
and business process improvement. The web interface provides a more effective and efficient way to conduct the process.

**Key words**: Risk Profile Mapping, AS/NZS 4360, Web Interface