

## ABSTRACT

Transportation and distribution risk management is important for every company because transportation and distribution is an important element in the sustainability of a company's business processes in the product distribution process. As with coal mining companies, transportation is highly considered so that the company's targets can be achieved. In general, coal companies set high targets on the productivity of operational processes in meeting and maintaining customer satisfaction. A large number of operating risks in transportation *makes* the risk of not achieving the production target also greater so that the impact on decreased customer satisfaction. This study aims to identify and analyse the risks that occur in the company. The method used in this study is FMEA as a priority risk measurement tool and AHP is used to weight the mitigation strategy that needs to be done. The results of risk identification through interviews with experts found 15 potential risks with 17 main *sources* of risk that occur in the distribution and transportation of coal. For mitigation strategy, there are 9 alternatives that are divided into each phase.

**Key word: Transportation and Distribution Risk, Coal Company, FMEA, AHP.**