

## Kajian risiko jalur pipa gas PT X dari Plant D sampai S di Sumatera Selatan = Gas pipeline risk assessment PT X from D plant to the S in South Sumatra

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### Abstrak

Operation of gas pipelines by PT X, built in 1998 along 14.4 km of which has a danger of gas leaks and fires. Risk analysis is conducted to anticipate the risks that would arise in the gas distribution activities whose results are expected to provide input for the company. This relative risk analysis using semiquantitative methods Risk Rating Index with the approach where the risk of possible dangers (Sum Index) and consequences (Leak Impact Factor). The results showed that the pipelines are in high risk areas (Intolerable) and most of the factors that play a role in contributing to the failure of the operation of the pipeline is the design factor.