

## Analisis Implementasi Konsep Safety Resilience pada Industri Tambang di PT X Tahun 2022 = Analysis of the Safety Resilience Concept Implementation in The Mining Industry at PT X in 2022

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### Abstrak

Di era industri 4.0 dan perkembangan teknologi ini, seluruh sektor industri dituntut untuk memastikan perusahaannya memiliki suatu konsep ketahanan sistem dari segala macam potensi terjadinya variabilitas pada proses bisnis yang kemudian disebut sebagai konsep resilience. Penelitian ini bertujuan untuk menganalisis penerapan konsep safety resilience pada perusahaan industri pertambangan guna mengetahui tingkat kemampuan perusahaan tersebut dalam menghadapi kondisi tidak terduga. Desain studi penelitian ini berjenis deskriptif dengan metode semi kuantitatif dan menggunakan tools Resilience Assessment Grid (RAG) sebagai panduan wawancara. Pengambilan data dilakukan dengan meninjau dokumen perusahaan dan melakukan wawancara dengan teknik purposive sampling. Berdasarkan hasil analisis, PT X memiliki unsur resilience dengan membandingkan reliabilitas perusahaan dengan besaran risiko. Tingkat implementasi konsep safety resilience pada PT X rata-rata memiliki persentase sebesar 87.9% yang termasuk tahap menuju resilience dengan rincian kemampuan respon (88.9%), kemampuan monitoring (89.2%), kemampuan belajar (86.1%), dan kemampuan antisipasi (87.6%). Pendekatan teknologi, baiknya kemampuan respon, dan komitmen dari petinggi perusahaan menjadi aspek pendukung tingginya tingkat implementasi konsep safety resilience pada PT X. Sedangkan, adanya ketimpangan tingkat persepsi risiko pada pekerja dan dasar pembelajaran perusahaan yang masih mengedepankan paradigma safety-I menjadi penghambat perusahaan dalam mengimplementasikan konsep safety resilience secara maksimal.

.....In the industrial era 4.0 and technological developments, all industrial sectors are required to ensure that their companies have a concept of system resilience from all kinds of potential for variability in business processes, which is then referred to as the concept of resilience. This study aims to analyze the application of the concept of safety resilience in mining industry companies to determine the level of the company's ability to deal with unexpected conditions. The design of this research study is descriptive with a semi-quantitative method and uses the Resilience Assessment Grid (RAG) tools as an interview guide. Data were collected by reviewing company documents and conducting interviews using the purposive sampling technique. Based on the results of the analysis, PT X has an element of resilience by comparing the company's reliability with the amount of risk. In addition, the level of implementation of the safety resilience concept at PT X has an average percentage of 87.9% which is included in the stage towards resilience with details on response-ability (88.9%), monitoring ability (89.2%), learning ability (86.1%), and anticipation (87.6%). The technological approach, good response-ability, and commitment from company officials are aspects that support the high level of implementation of the safety resilience concept at PT X. Meanwhile, the imbalance in the level of risk perception among workers and the company's learning base that still prioritizes the safety-I paradigm is an obstacle for companies to implement maximum safety resilience concept.