

**ANALISIS IMPLEMENTASI  
EMERGENCY RESPONSE PREPAREDNESS  
KEJADIAN KEBAKARAN DAN LEDAKAN PADA  
PENGELOLA BAHAN BAKAR RISIKO TINGGI X TAHUN 2023**

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**Abstrak**

Terminal LPG memiliki kegiatan operasional yang kompleks terdiri dari penerimaan, penyaluran, dan penimbunan *flammable material* yang berisiko pada kejadian kebakaran dan ledakan. *Emergency Response Preparedness* (ERP) penting dalam mengantisipasi keadaan darurat secara dini, mencegah bahaya meluas, dan mengurangi kerugian. Penelitian ini dilakukan untuk mengetahui penerapan ERP kejadian kebakaran dan ledakan pada terminal LPG berdasarkan *International Safety Rating System* (ISRS). Penelitian ini merupakan penelitian kualitatif studi kasus dengan pengumpulan data melalui wawancara mendalam, observasi, dan telaah dokumen. Informan yang terdiri dari *Incident Commander*, *On Scene Commander*, *Operation Commander*, dan *Sector Commander Fire Brigade* dipilih menggunakan teknik *purposive sampling*. Validasi data didasarkan pada teknik triangulasi sumber dan triangulasi metode. Hasil penelitian menunjukkan bahwa perusahaan telah menerapkan (91,4%) dari kriteria ERP. Namun, masih terdapat kekurangan pada aspek bantuan dan kerja sama dari pihak luar yang terorganisasi, bantuan medis, sistem proteksi, serta persiapan untuk kecelakaan besar. Diperlukan tindakan pemeliharaan terhadap sistem proteksi keadaan darurat, sistem *automation*, transportasi *pra-hospital* berupa *ambulance*, penetapan kriteria waktu respons, dan perjanjian kerja sama pihak eksternal.

**Kata Kunci :** *Emergency Response*, ISRS, Kebakaran, Ledakan, Terminal Bahan Bakar

# **THE ANALYSIS OF FIRE AND EXPLOSION INCIDENTS EMERGENCY RESPONSE PREPAREDNESS IMPLEMENTATION AT A HIGH-RISK FUEL MANAGES IN 2023**

**Farah Namira Anjani**

## **Abstract**

LPG terminals have complex operational activities consisting of receiving, distributing and storing flammable materials that can burn and explode. Emergency Response Preparedness (ERP) is important to anticipate emergencies, prevent the spread of hazards and reduce losses. This study was conducted to determine the application of ERP for fire and explosion events at LPG terminals based on the International Safety Rating System (ISRS). This research was a qualitative case study with in-depth interviews, observation and document review as data collection methods. Informants, including Incident Commander, On Scene Commander, Operation Commander and Sector Commander Fire Brigade were selected using by a purposive sampling technique. Data validation was based on source triangulation and method triangulation techniques. The results show that the company has implemented (91.4%) of ERP criteria. However, there are inadequacies in the aspects of support and cooperation from externals, medical support, protection systems and major accident preparedness. Emergency protection systems maintenance, automation systems, pre-hospital transport including an ambulance, response time criteria establishment and partnership agreements with external parties are recommended.

**Keyword :** Emergency Response, ISRS, Fire, Explosion, Fuel Terminal