

## Analisis multikriteria penilaian risiko instalasi lift di Indonesia = Multicriteria analysis of risk assessment elevator installation in Indonesia

Monica Debbigrisyafati, author

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### Abstrak

Manajemen risiko berperan penting dalam meningkatkan ketahanan suatu organisasi untuk mengatasi risiko yang teridentifikasi. Peningkatan urbanisasi global, kebutuhan keamanan, serta permintaan produk ramah lingkungan yang melatarbelakangi pertumbuhan industri lift tentunya tidak terlepas dari risiko. Namun, pada industri lift belum banyak ditemukan penelitian mengenai penilaian risiko khususnya pada bidang instalasi lift. Penelitian ini bertujuan untuk membuat analisis penilaian risiko pada proses instalasi lift yang selanjutnya dapat dijadikan sebagai acuan dalam memitigasi risiko. Penilaian expert digunakan untuk menghasilkan bobot kepentingan prioritas job step dan task pada instalasi lift. Risiko paling tinggi yaitu job step 10 dan risiko paling rendah yaitu job step 1.

.....Risk management has been known as a discipline that plays an important role in improving the resilience of an organization to address the risks identified. As the increasing of global urbanization, security needs, and the demand for environmental friendly products, has been underlying the growth of the elevator industry, thus can not be separated from the risks. However, in the elevator industry has not found much research on risk assessment, especially in the field of elevator installation. This study aims to make a risk assessment analysis on the elevator installation process which then used as a reference in mitigating risk. Expert judgement being used to generate the priority weight of each job step and task on the elevator installation. The result are job step 10 has the highest risk and job step 1 has the lowest risk.