

## Analisis potensi risiko keselamatan Liquefied Petroleum Gas (LPG) di Depok tahun 2011 = Analysis of safety risk potential of Liquefied Petroleum Gas (LPG) at Depok 2011

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### Abstrak

[<b>ABSTRAK</b><br>

Tesis ini pertama membahas dispersi gas, kebakaran dan ledakan akibat kebocoran tangki propana dan butana serta tabung LPG 3 kg. Bersifat kuantitatif. Disarankan pemilik tangki/penyalur LPG mengestimasi jarak aman; membuat rencana tanggap darurat; mempersiapkan deteksi dini kebocoran dan maintenance. Pemerintah disarankan lebih teliti memberikan izin mendirikan tangki; melakukan pengawasan operasi tangki penyimpanan, terutama yang berlokasi di sekitar pemukiman penduduk. Kedua, keselamatan penyalur LPG 3 kg di Depok. Bersifat deskriptif. Disarankan penyalur LPG melakukan perbaikan secara bertahap, terutama pelatihan petugas; pemasangan lampu gas proof, alarm keadaan darurat dan gas detector; pembuatan OKD; penyediaan kotak P3K. Pemerintah disarankan mengawasi dan memfasilitasi kebutuhan penyalur.

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<b>ABSTRACT</b><br>

This thesis firstly discuss the gas dispersion, fires, explosions caused by the propane and butane tank and LPG cylinder 3 kg leakage. Quantitatively. Tank owners/LPG distributors are suggested to estimate safe distance; create ERP; prepare for early leakage detection and maintenance. The Government are suggested more thoroughly give set-up tank permission; supervise storage tank operations, especially those located around settlements. Secondly, the safety of LPG 3 kg's distributor in Depok. Descriptively. Distributors are suggested to do improvements, especially training; gas proof lamps, emergency alarm and gas detector; emergency organization-making; first aid boxes provision. The government are advised to oversees and facilitates the distributors's needs; This thesis firstly discuss the gas dispersion, fires, explosions caused by the propane and butane tank and LPG cylinder 3 kg leakage. Quantitatively. Tank owners/LPG distributors are suggested to estimate safe distance; create ERP; prepare for early leakage detection and maintenance. The Government are suggested more thoroughly give set-up tank permission; supervise storage tank operations, especially those located around settlements. Secondly, the safety of LPG 3 kg's distributor in Depok. Descriptively. Distributors are suggested to do improvements, especially training; gas proof lamps, emergency alarm and gas detector; emergency organization-making; first aid boxes provision. The government are advised to oversees and facilitates the distributors's needs, This thesis firstly discuss the gas dispersion, fires, explosions caused by the propane and butane tank and LPG cylinder 3 kg leakage. Quantitatively. Tank owners/LPG distributors are suggested to estimate safe distance; create ERP; prepare for early leakage detection and maintenance. The Government are suggested more thoroughly give set-up tank permission; supervise storage tank operations, especially those located around settlements. Secondly, the safety of LPG 3 kg's distributor in Depok. Descriptively. Distributors are suggested to do improvements, especially training; gas proof lamps, emergency alarm and gas detector; emergency organization-making; first aid boxes provision. The government are advised to oversees and facilitates the distributors's needs]