

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

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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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 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 oversee and facilitate the distributors's needs.