

Analisis dampak penerapan Vapor Recovery Unit pada SPBU = Impact analysis of Vapor Recovery Unit implementation at Gas Stations

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Abstrak

Kejadian kecelakaan di Stasiun Pengisian Bahan Bakar Umum (SPBU) merupakan kejadian yang mendominasi kecelakaan jika dilihat berdasarkan jenis kegiatan usaha niaga migas. Seiring terus naiknya statistik kecelakaan, pada tahun 2018 diterbitkan Pedoman Teknis Keselamatan SPBU. Namun setelahnya masih terjadi juga beberapa kecelakaan yang didominasi oleh faktor eksternal, sehingga perlu ada solusi untuk menekan angka kecelakaan SPBU tersebut yang sekiranya belum tertulis di Pedoman tersebut yakni tentang Penerapan Vapor Recovery Unit (VRU) pada SPBU. Berdasarkan permasalahan tersebut maka tujuan penelitian adalah untuk mengkaji dampak pemasangan VRU di SPBU, sehingga dapat memberikan masukan rekomendasi pada revisi pedoman termaksud. Penelitian yang dilakukan dengan Forum Group Discussion (FGD) dengan para pelaku usaha bidang migas dan hasil penelitian menunjukkan bahwa pemasangan VRU memberikan keuntungan secara ekonomi dengan syarat jika dipasang dalam kapasitas penyaluran besar. Pemasangan VRU telah digambarkan dalam pemasangan di Terminal yang menyajikan data keuntungan secara kuantitatif meliputi keuntungan materi, safety, kesehatan, dan lingkungan. Meskipun pemasangan VRU di SPBU dengan kapasitas penyaluran kecil maka dipastikan kurang memberikan keuntungan materi, bahkan terjadinya cost waste, namun kontribusi terhadap safety, kesehatan, dan lingkungan layak diperhitungkan. Rekomendasi untuk memasukkan kewajiban penerapan VRU pada Pedoman Keselamatan SPBU perlu ditambahkan namun dengan batasan kapasitas penyaluran dan beberapa hal tentang pemeliharaan.

.....Accidents at Gas Stations (SPBU) are events that dominate accidents when viewed based on the type of oil and gas trading business activities. As accident statistics continue to rise, in 2018 the Gas Station Safety Technical Guidelines were published. However, after that, there were still several accidents that were dominated by external factors, so there needed to be a solution to reduce the number of gas station accidents that had not been written in the Guidelines, namely the application of Vapor Recovery Units (VRU) at gas stations. Based on these problems, the purpose of the study was to examine the impact of installing VRUs at gas stations, so that they could provide recommendations for the revision of the guidelines. The research was conducted through a Forum Group Discussion (FGD) with oil and gas business actors and the results showed that the installation of a VRU provides economic benefits provided that it is installed in a large distribution capacity. The VRU installation has been described in the installation at the Terminal which provides quantitative profit data covering material, safety, health, and environmental benefits. Although the installation of a VRU at a gas station with a small distribution capacity will certainly not provide material benefits, even the occurrence of cost waste, but the contribution to safety, health, and the environment deserves to be taken into account. Recommendations to include the mandatory application of VRU in the Gas Station Safety Guidelines need to be added but with limitations on distribution capacity and a few things about maintenance.