

Analisis Parameter Pemeriksaan dan Pengujian K3 Bejana Tekanan dalam Permenaker No. 37 Tahun 2016 dan Evaluasi Hasil Pemeriksaan dan Pengujian K3 Bejana Tekanan di Provinsi Kepulauan Bangka Belitung Tahun 2018 dan 2019

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Abstrak

Penggunaan bejana tekanan semakin meningkat di berbagai sektor usaha. Berdasarkan data, jumlah objek pengawasan K3 bejana tekanan paling banyak dibandingkan dengan lainnya. Setiap penggunaan bejana tekanan harus dilakukan pemeriksaan dan pengujian (riksa uji) K3 sesuai dengan ketentuan dan standar yang berlaku. Namun kecelakaan bejana tekanan masih terjadi dan diantaranya sudah dilakukan riksa uji K3. Rendahnya kualitas pelaksanaan riksa uji K3 bejana tekanan dapat mempertinggi risiko peledakan dan kecelakaan kerja. Penelitian ini adalah naratif literature review dan deskriptif semi kuantitatif. Hasil penelitian menyarankan parameter perencanaan dan persiapan inspeksi, Risk Based Inspection (RBI), penetapan MAWP dan proof test pada Permenaker No. 37 Tahun 2016. Selain itu, meningkatkan pembinaan dan pengawasan serta menyediakan aplikasi evaluasi pemenuhan parameter di laporan riksa uji K3 bejana tekanan. Kata kunci: bejana tekanan, pemeriksaan dan pengujian K3, parameter

Counsellor : Mila Tejamaya, S.Si., MOHS., Ph.D. Pressure vessels are the most widely used equipment and are found in almost all workplaces in the industrial sector. Based on data, the number of pressure vessel as one of occupational health and safety (OHS) supervisions' objects is more than others. Every pressure vessel usage must be inspected and tested for make sure its' safety and reliability. However, occupational pressure vessels' accidents still occur and some of it had been inspected for the safety. The low quality of the implementation pressure vessel safety inspection can increase the risk of pressure vessel accidents. This research uses a narative literature review and semi quantitative descriptive study. The studies' results suggest parameters of planning ang preparation for inspection, Risk Based Inspection (RBI), determination of MAWP, and proof test for Manpower Ministers' Regulation No. 37 of 2016. In addition suggest for guidance and supervision improvement as well as providing an application for evaluation of' fulfillments' parameter from pressure vessel safety inspection reports. Key words: pressure vessel, safety inspection, parameter