Pemetaan Suhu Container Chiller 1 dan 2 di PT Enseval Putera Megatrading Cabang Bekasi = Temperature Mapping of Container Chiller 1 and 2 at PT Enseval Putera Megatrading Bekasi

Nur Ainun Nisa, author

Abstrak

Laporan Praktik Kerja Profesi Apoteker ini membahas terkait pemetaan suhu container chiller di PT Enseval Putera Megatrading Bekasi. Penelitian ini bertujuan untuk mengetahui letak suhu tertinggi dan suhu terendah serta titik kritis suhu pada container chiller yang dicek dengan menaruh temperature data logger di berbagai titik dan melihat apakah container chiller yang tersedia memenuhi persyaratan dan standar untuk penyimpanan produk rantai dingin atau tidak. Penelitian ini dilakukan secara observasional selama 3 hari merekam data suhu dengan temperature data logger tiap 10 menit, kemudian menarik data dari thermometer data logger mengunakan aplikasi Testo Comfort Software Basic 5.0. Dari penelitian ini dihasilkan Container chiller 1 dan 2 PT Enseval Putera Megatrading cabang Bekasi memenuhi persyaratan suhu yakni diantara 2-8o C dan titik kritisnya berada pada posisi terpanas dan terdingin di container chiller 1 terletak pada titik 3 dan 19, sedangkan pada container chiller 2 titik terpanas dan terdingin terletak pada titik 10 dan 5. Berdasarkan hasil penelitian tersebut sebaiknya limit suhu diatur pada suhu atas 7o C dan bawah 3oC untuk penanggulangan lebih cepat jika suhu berada diluar standar dan sebaiknya dalam proses penyimpanan dan pengiriman sediaan-sediaan cold chain product perlu dipantau dengan baik, terutama pada vaksin-vaksin yang memiliki indikator VVM yang mempermudah pengecekkan kestabilan obat. ..... This Pharmacist Professional Work Practices Report discusses temperature mapping of chiller containers at PT Enseval Putera Megatrading Bekasi. This research aims to determine the location of the highest and lowest temperatures as well as critical temperature points in chiller containers which are checked by placing temperature data loggers at various points and seeing whether the available chiller containers meet the requirements and standards for storing cold chain products or not. This research was carried out observationally for 3 days, recording temperature data with a temperature data logger every 10 minutes, and then pulling data from the thermometer data logger using the Testo Comfort Software Basic 5.0 application. From this research it was produced that Container chiller 1 and 2 of PT Enseval Putera Megatrading Bekasi branch met the temperature requirements, namely between 2-8o C and the critical points were at the hottest and coldest positions. Container chiller 1 was at points 3 and 19, while container chiller 2 was at point The hottest and coldest are located at points 10 and 5. Based on the results of this research, the temperature limit should be set at an upper temperature of 7o C and a lower temperature of 3o C for quicker response if the temperature is outside the standard and it is best to monitor the process of storing and sending cold chain products. Well, especially for vaccines that have a VVM indicator which makes it easier to check drug stability.