

ABSTRACT

ANALYSIS OF VACCINE COLD CHAIN MANAGEMENT AT RSPAL DR. RAMELAN SURABAYA

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Vaccines can lose their potency and effectiveness when exposed to freezing or heat temperature. Vaccine cold chain procedures are required to maintain temperature from manufacture to distribution to targets. The purpose of this study was to determine the management of the vaccine cold chain at RSPAL Dr. Ramelan Surabaya. Primary data sources were obtained from in-depth interviews and observations, while secondary data were obtained from document review from January-December 2021. In general, the cold chain management had followed the procedures. However, the observation results show that the available Polio vaccine was stored inappropriately which stored at a temperature of 2°C-8°C. The inappropriate storage might be related to the findings of Polio vaccine in VVM C or D conditions. In addition, defrosting has not been done regularly. On holidays there is no temperature checking of the vaccine refrigerator. Hence, the recording procedure of the temperature of the vaccine refrigerator did not run optimally. The other inappropriate factor in storage was the thermometer used needs to be calibrated regularly so that the information on the temperature of vaccine storage in the refrigerator would be accurate and valid. The problem also found at vaccines labeling. The remaining vaccines that have been opened has not been marked for the opened date and its life span. In conclusion, vaccine cold chain management at RSPAL Dr. Ramelan needs to be improved, especially in terms of vaccine storage. This issue needs to be considered because it can affect the quality of the vaccine.

Keywords : Vaccine, management, cold chain.