

UNIVERSITI TEKNOLOGI MARA

**MONITORING EXPIRED MEDICATIONS IN
CLINICAL TRAINING CENTRE (CTC)**

NUR NAJIHAH BINTI AB HAMID

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ABSTRACT

The purpose of this study was to monitor the expired medications in Clinical Training Centre (CTC). This will help pharmacy staff in managing the stock of the medicines in CTC. The study was conducted by assessing data obtain from the ledger record and bin cards' record and analyse by using Microsoft Excel. Out of 287 medicines used, 65 of them have expiry date less than a year, 119 are within 2 years and 103 have expiry date of 3 years. From the result obtained, 104 medicines need to re-purchased and 71 have sufficient amount for following year's usage. Out of 19 clinics in CTC, ophthalmic clinic have the highest usage of medicines which is 29 medicines in total. Proper management of medicines can prevent the shortage of medicines as well preventing unused medicines that can cause medicines to reach its expiry date. Hence, the hospital budgeting can be save.

CHAPTER 1

INTRODUCTION

1.1 Introduction

Hospital Pharmacy Store (HPS) is one of the crucial areas in hospital setting. HPS plays important roles in supplying and distributing of medical, pharmaceutical, and surgical inventories. A systematic planning for logistic is needed to assure that HPS is capable of delivering safe and effective services to the customers (Ministry of Health, 2014). Medicines must be packaged, stored, distributed, prepared, administered, manufactured, and disposed following the guidelines throughout the supply chain (Romero, A., 2013).

1.2 Problem statement

The hospital pharmacy store plays the important roles in supplying chain and distribution for surgical, medical and pharmaceutical inventories (Ministry of Health, 2014). Store logistics operation consisting of arranging, handling, processing, and purchasing of merchandise for the hospital (Bouzaabia, Riel et al., 2013). Despite the vital role of pharmaceuticals in the prevention and treatment of diseases, the shortage of drugs in hospital can be a problem in delivering pharmaceutical care to the patients. Shortage of drug products can delay medical procedures, adversely affect