

**THE USAGE OF ANALGESIC PRESCRIBED TO PATIENT AT  
OUTPATIENT DEPARTMENT IN HOSPITAL MELAKA**



**DIPLOMA OF PHARMACY  
FACULTY OF PHARMACY  
UNIVERSITI TEKNOLOGI MARA  
PULAU PINANG**

**NORSULIYANA BINTI NORAHIM  
NORIZZATI BINTI ABD AZIZ  
NOR HAFIZAH BINTI DOLAH  
NUR IZZATI BINTI YAMIN**

**MARCH, 2015**

THE USAGE OF ANALGESIC PRESCRIBED TO PATIENT AT OUTPATIENT  
DEPARTMENT IN HOSPITAL MELAKA

**NORSULIYANA BINTI NORAHIM**

**NORIZZATI BINTI ABD AZIZ**

**NOR HAFIZAH BINTI DOLAH**

**NUR IZZATI BINTI YAMIN**

Supervisors: Puan Noorazlinda binti Yacob  
(Pharmacy Department, Hospital Melaka)

2<sup>nd</sup> Supervisor Mohd Nadzri bin Mohd Najib  
(Faculty of Pharmacy UiTM, Pulau Pinang)

Submitted in partial fulfillment for the Degree of Diploma in Pharmacy of Faculty  
of Pharmacy,  
University Teknologi MARA,  
Pulau Pinang.

March, 2015

Faculty of Pharmacy,  
Universiti Teknologi MARA,  
Pulau Pinang.

**ABSTRACT**

**Background:** The prescribing pattern of analgesic medication are not very clear in Hospital Melaka as they have not a specific data regarding this. Generally, they are aiming that Orthopedic, Surgical and Pain Clinic are the most department that prescribe analgesic drugs. The compliance of the prescription in terms of indication, duration, dosage and specialist signature are also been analyzed because it were very important aspect while screening the prescription. The cost per prescription for analgesic drugs had been calculated. **Method:** A quantitative method was applied as we selected and data collection duration was from six month started from January 2014 until June 2014. The prescriptions which have been selected randomly has been analyzed in terms of the compliance of the prescription, and cost per prescription for analgesic drugs prescribed are estimated. The prescriptions that did not have analgesic drugs prescribe are not included. **Result:** From our study Orthopedic department is the most departments that prescribed analgesic drugs followed by Pain Clinic and Emergency department. Each of the department also has the problem in the completeness of the prescription where the important aspects while prescribing the prescription are not fulfilled by the physician. **Conclusion:** The Orthopedic department has the highest number of prescriptions that has been prescribed by the physician to their patient. Other than that, Orthopedic department has problem in the compliance of the prescription in terms of specialist signature where the physician prescribed analgesic drug that require specialist signature which have been listed in list A (A/A\*/KK). Store department should manage and control the purchase of analgesic drugs so the cost can be reduced within the budget.

## **ACKNOWLEDGEMENT**

First of all, we are grateful to Allah, The Almighty for establishing us to complete this research.

We take this opportunity to give a big thanks to our supervisor, Puan Noorazlinda binti Yacob who is one of the senior pharmacists in Hospital Melaka for giving us the chance to conduct and complete our research as a final year project in completing Diploma in Pharmacy. We are totally indebt for their experience expert knowledge and deeper understanding in hospital based research. We would also like to thank her for her guidance, useful advices and patience for us more than we thought to complete this research. Despite, they are preoccupied with their work but they still spent many times in go through with our incomplete research until we finishing it successfully.

Furthermore, we would like to express our warmest thanks to pharmacists and staffs in pharmacy at Hospital Melaka for their co-operative so that we can do our research more easy.

We would also like to express our sincere thanks to lecturers of Faculty of Pharmacy for their helpful suggestion and comments throughout this final year project.

Lastly, we would like to thank our parents for their supports financially, emotionally and always be our sources of encouragement and inspiration to find our potential. Not forgetting our all fellow friends that contribute a lot in finishing our research.

**TABLE OF CONTENT**

ACKNOWLEDGEMENT	ii
TABLE OF CONTENTS	iii
LIST OF TABLES	v
LIST OF FIGURES	vi
LIST OF APPENDICES	vii
ABSTRACT	viii
CHAPTER 1 INTRODUCTION	1
CHAPTER2 LITERATURE REVIEW	3
2.1 Aim of study	5
2.2 Objective of study	5
CHAPTER 3 METHODOLOGY	6
3.1 Study design	6
3.2 Study participant	6
3.3 Study period	6
3.4 Sampling	7
3.5 Data collection and study instrument	8
3.6 Procedure process	10
CHAPTER 4 RESULT AND DISCUSSION	11
4.1 Data synthesis	11
CHAPTER 5 DISCUSSION	31