



UNIVERSITI TEKNOLOGI MARA

**TOPICAL DRUGS USAGE AND PATIENT COMPLIANCE ON
TOPICAL DRUGS IN POLYCLINIC PHARMACY, HOSPITAL
SULTANAH AMINAH, JB**

**HANISAH BINTI TAIB
NURUL SYAZWANI BT MOHD AMIN
MARZIANA BT RAFIE
NASRUL HADI BIN AHMAD**

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

APRIL 2008

**TOPICAL DRUGS USAGE AND PATIENT COMPLIANCE ON
TOPICAL DRUGS IN POLYCLINIC PHARMACY, HOSPITAL
SULTANAH AMINAH, JB**

Prepared by

**HANISAH BINTI TAIB
NURUL SYAZWANI BT MOHD AMIN
MARZIANA BT RAFIE
NASRUL HADI BIN AHMAD**

Supervisors: Ms. Haliza bt. Jalal (Pharmacy Department,
Hospital Sultanah Aminah)

Submitted in part fulfilment for the Degree of Diploma of Pharmacy in the
Faculty of Pharmacy,
Universiti Teknologi MARA
Pulau Pinang

April, 2008

Faculty of Pharmacy,
Universiti Teknologi MARA
Pulau Pinang

ABSTRACT

Purpose :

- 1) to determine 5 highest topical drugs being used in Polyclinic Pharmacy, Hospital Sultanah Aminah within 6 months
- 2) to evaluate patient compliance on topical drugs usage and their understanding on instruction given by pharmacist

Methods :

- 1) Sample of this study were patients who already using topical drugs from Polyclinic Pharmacy within period of study.
- 2) A survey form that consists of multiple choice questions and 5 – point categorical rating scales were distributed to patients.

Results :

- 1) 5 topical drugs that frequently used were Aquaes cream, Bethamethasone cream/ointment, Fusicort, Sebitar and Momethasone furoate.
- 2) 200 respondent were involved in this study, 75 % of them were compliance while other 15 % were not compliance. Through this survey, 77 % of respondent were understands the instruction of using topical drugs while other 13 % were not understands.

Conclusion :

- 1) The stocks of these 5 highest topical drugs : Aquaes cream, Bethamethasone cream/ointment, Fusicort, Momethasone Furoate and Sebitar shampoo should be monitored.
- 2) Majority of patients at Polyclinic Pharmacy were compliance and understands the instruction of using their topical drugs given by pharmacist.

ACKNOWLEDGEMENTS

We are grateful to Allah S.W.T because of His blessing, finally we succeeded to finish our Final Year Project titled ‘Topical Drugs Usage and Patient Compliance on Topical Drugs in Polyclinic Pharmacy, Hospital Sultanah Aminah, Johor Bahru’.

We would like to acknowledge the contributions of Prof. Dr. Abu Bakar bin Abdul Majid bin and Mr. Tommy Julianto, who always visited us to see our progression in this project and provided many helpful comments. All the comments really helped us to improve our project. Thank you for both of you.

We would like to acknowledge the tremendous support from Head of Pharmacy Department in Hospital Sultanah Aminah, Johor Bahru, Mrs. Rosidah binti Md. Din (Pharmacist U52) who gave us permission to collect data from polyclinic pharmacy and allowed us to do the survey of patient compliance on topical drugs at Polyclinic Pharmacy.

We would particularly like to express our thanks to Mrs. Haliza binti Jalal (Pharmacist U41), our supervisor, Mr. Isa bin Bonawi (Pharmacy Assistant U32) and all staff in pharmacy department, Hospital Sultanah Aminah, Johor Bahru who always generously contributed their time and effort to help us make this project as successful and as useful as possible. Thank you so much.

TABLE OF CONTENTS

Acknowledgement	ii
Table of Contents	iii
List of tables	iv
List of figures	v
Abstract	vi
CHAPTER 1 INTRODUCTION	
1.1 Introduction of research project	1-2
1.2 Group of topical drugs	3-12
CHAPTER 2 LITERATURE REVIEW	13
CHAPTER 3 AIM AND OBJECTIVES	14
CHAPTER 4 MATERIALS AND METHODS	
4.1 Study Design	15
4.2 Study Subject	15
4.3 Data Collection	16
4.4 Data Analysis	16
CHAPTER 5 RESULTS AND DISCUSSION	
5.1 Results of topical drugs usage	17-23
5.2 Discussion of topical drugs usage	24
5.3 Results of survey	25-32
5.4 Discussion of survey	33-34