



# UNIVERSITI TEKNOLOGI MARA

**STUDY OF FACTORS THAT AFFECT PATIENTS' COMPLIANCE  
TOWARDS APPOINTMENT DATE FOR TOPPING UP  
MEDICATION IN FARMASI MAKMUR, HOSPITAL TENGKU  
AMPUAN AFZAN (HTAA) KUANTAN**

**ISMARINI BINTI RASDI  
NORSYAHIDA BINTI MAT YASIN**

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

**APRIL 2010**

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Prepared by  
**ISMARINI BINTI RASDI  
NORSYAHIDA BINTI MAT YASIN**

**Supervisors: Ms Nor Hafizah Salehudin (Inpatient Pharmacy, HTAA)**

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

**April, 2010**

**Faculty of Pharmacy,  
Universiti Teknologi MARA  
Pulau Pinang**

## ABSTRACT

**Objectives:** To evaluate patient's compliance to top-up date, determine the factors that affect patient's non-compliance, to find out alternative ways to overcome this problem, determine the association between sociodemographic factor, physical factors and compliance, educate the patient about the importance of compliance to prevent the disease exacerbation and to evaluate the patient non-compliant problem in HTAA. **Methods:** Searches for relevant reports were conducted using the MEDLINE and BLACKWELL databases. To analyze the data, medication possession ratio (MPR) and Morisky score were used to determine patient compliance. Relation between variable and compliance were compared using contingency table and Chi-square tests. **Results:** A total of 149 respondent were identified from the literature search while the other 35 respondents were excluded from this research for some reason. The average proportion of patients with an MPR>80% was 67.5% overall. There are no significance between compliance and address, age, sex, race, diagnosis, total of medication, education level, income, marital status, employment status, person who is taking medicine, vehicle to take medicine and Morisky score. There is an association between compliance and duration of medication based on Chi-square tests,  $p<0.05$ . Thus, patients that have duration of medication less than 3 months is more comply than patients that have duration of medication for 4 months and above. **Conclusions:** Patients compliance in Hospital Tengku Ampuan Afzan (HTAA) is not a serious problem because through this research, we found that more than 50% of patients taking medication for more than 80% of their days on therapy. Good compliance has positive effect on clinical outcome, suggesting that management of outpatient pharmacy may be improved by improving patient compliance.

## **ACKNOWLEDGEMENT**

First of all, thank God Almighty, we have completed our research project successfully. With the full commitment and cooperation between us as a team member, we can easily pass through all the obstacles in accomplishing this task. There is no short cut to success and it requires sincere, sacrifices in various ways. Set and strengthen our targets, be confident and success is sure to be ours.

Lots of thank to our lecturers and visiting lecturers who gave us guideline and monitored us for these 11 months of training. Thanks to Mr Leong Weng Choy, our previous supervisor that briefly gave us idea about the title and helped us a lot in completing the proposal. Thanks to Ms Nur Hafizah, our recent supervisor that gave us support and solved our problems during finishing our report. Thanks to Ms Janattul Ain, a pharmacist in HTAA that taught us on how to analyze all data using SPSS software. We also want to thanks all the pharmacists, pharmacy assistants and local preceptor who had involved in collecting patients' particular data during the data collecting period. A great appreciation for those peoples whose help us a lot in additional information including our own family, colleagues and friends.

Thank you so much. We wish all the success and may God bless them.

## TABLE OF CONTENTS

Acknowledgement	ii
Table of Contents	iii
List of Tables	iv
Abstract	vi
<b>CHAPTER 1 INTRODUCTION</b>	<b>1</b>
<b>CHAPTER 2 LITERATURE REVIEW</b>	<b>2</b>
<b>CHAPTER 3 AIM AND OBJECTIVES</b>	<b>5</b>
<b>CHAPTER 4 MATERIALS AND METHODS</b>	<b>6</b>
4.1 Searches	6
4.2 Study Design	6
4.3 Study Population	7
4.4 Sample Selection	7
4.5 Selection Criteria	7
4.6 Data Collection	8
<b>CHAPTER 5 RESULTS AND DISCUSSION</b>	
5.1 Results	9
5.2 Discussion	27
<b>CHAPTER 6 CONCLUSION</b>	<b>33</b>
<b>REFERENCES</b>	<b>34</b>
<b>APPENDIX A</b> Questionnaire	
<b>APPENDIX B</b> Pictures	