

UNIVERSITI TEKNOLOGI MARA

**GOOD GOVERNANCE FOR MEDICINES:
MEASURING TRANSPARENCY
AND ACCOUNTABILITY
IN THE PUBLIC PHARMACEUTICAL SECTOR
OF MALAYSIA**

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Thesis submitted in fulfilment of the requirements
for the degree of
Doctor of Philosophy

Faculty of Pharmacy

July 2011

CANDIDATE'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and the result of my own work; unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any other degree or qualification.

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Transparency and Accountability in the Public
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ABSTRACT

The high value of pharmaceutical usage estimated at approximately USD600 billion per year has resulted in vulnerability to corruption. Inefficiencies in governments have led to a lack of transparency and accountability of the pharmaceutical system. This has created insufficient supply of medicines. The need to do continuous assessment and to identify areas for improvement in the function and structure of the pharmaceutical system is considered one of the crucial areas in healthcare system. The primary objective of the study is to measure the level of transparency and vulnerability to corruption in six functions of the pharmaceutical system (registration, inspection, promotion, selection, procurement and distribution of medicines) in Malaysia. The second objective is to evaluate the perception and knowledge of consumers, healthcare professionals and pharmaceutical industry representatives about “availability and quality of medicines”, “prescribing pattern and supplier-induced demand” and “knowledge of corrupt acts and practice of sanctions”. The third objective is to evaluate the knowledge among public and private stakeholders of the vulnerability to corruption. A cross-sectional study, using structured questionnaires adapted from the World Health Organisation assessment tools was used in semi-structured interview with stakeholders in the public and private pharmaceutical system. The responses to the questions were rated according to the criteria and then converted to scores on a numeral scale. The lower scores suggested greater vulnerability to corruption and the higher scores suggested lower vulnerability. The second part of the study is a self-administered survey used to evaluate the perception and knowledge of consumers, healthcare professionals and industry representatives, who were conveniently selected to answer three different types of questionnaires for the respective groups. Statistical analysis was conducted using SPSS Version 13. The overall score for Malaysia’s pharmaceutical system was 6.2 out of 10, indicating a system that is marginally vulnerable to corruption. The weakest links were in the areas of medicine selection (4.6), followed by procurement (5.6) and registration (5.9). The consumer perception surveys reveal that consumers are confident of prescribing pattern, availability and quality of medicines but knowledge of corrupt acts and practice of sanctions is low. There is significant difference in knowledge of vulnerability to corruption among public and private stakeholders in registration, promotion, inspection and selection. Despite having a strong pharmaceutical system in place, the results showed that the pharmaceutical system in Malaysia is marginally to moderately vulnerable to corruption. The most glaring deficiency seems to be the absence of conflict of interest guidelines and the lack of publicly available documents for the selection process. The offer of material gifts and favouritism seems to be a common practice as well as a lack of guidelines. There were only slight inefficiencies in the distribution and utilisation of pharmaceuticals in the system.

ACKNOWLEDGEMENTS

All praise is due to Allah S.W.T. because of His bounty I can complete this research towards fulfilling the requirements for my PhD.

I would like to express my most sincere gratitude to my supervisor, Professor Dr. Abu Bakar Abdul Majeed for his help and guidance and for his endless supply of suggestions and encouragement throughout this work.

My special thanks to former Director General of Health, Tan Sri Datuk Dr. Haji Mohd. Ismail Merican; Senior Director of Pharmaceutical Service Division, Datuk Eisah Binti Abdul Rahman; former Senior Director of Pharmaceutical Service Division, Dato' Che Mohd Zin Bin Che Awang; Deputy Director of Research and Technical Support; Ethical Committee Clinical Research Centre, Dato' Dr Chang Kian Meng; Chairman of Clinical Research Centre of Hospital Tengku Ampuan Afzan, Dato' Dr. Ghazali Ismail; former Head of Pharmacy of Hospital Tengku Ampuan Afzan; Mr. Chua Kong Seeng and Malaysian Pharmaceutical Society, for their assistance and support.

Special appreciation to World Health Organisation (WHO) for their assistance, guidance and references to conduct the research.

Thanks to all pharmacists, medical doctors and nurses of Hospital Tengku Ampuan Afzan; senior and junior staff of Pharmaceutical Service Division and National Pharmaceutical Control Bureau for their kind assistance and support to participate in this study.

The help, motivation and friendship from lecturers of Universiti Teknologi MARA and postgraduate friends will be cherished.

I would like to express my utmost gratitude to my beloved husband, Sufian and my children; Afifah, Amirul and Amirah for their moral support that gave me the confidence, will and strength to endure pressure and tension in pursuing my ambition and to them I dedicate this thesis.

Finally but not least, thank you to my mother, my sisters, my brother and parent-in-law for their prayers, understanding and inspiration throughout my study. May Allah give His blessings in their lives in this world and in the hereafter.

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