FACTORS INFLUENCING HAND WASHING BEHAVIOR AMONG FOOD HANDLERS IN FOOD SERVICE OPERATIONS OF BOARDING SCHOOLS
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MASTER OF SCIENCE
UNIVERSITI PUTRA MALAYSIA

2011
FACTORS INFLUENCING HAND WASHING BEHAVIOR AMONG FOOD HANDLERS IN FOOD SERVICE OPERATIONS OF BOARDING SCHOOLS

By

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Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia, in Fulfillment of the Requirement for the Degree of Master of Science

October 2011
Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfillment of the requirement for the degree of Master Science

FACTORS INFLUENCING HAND WASHING BEHAVIOR AMONG FOOD HANDLERS IN FOOD SERVICE OPERATIONS OF BOARDING SCHOOLS

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October 2011

Chair : Rosini Binti Abu, Ed.D
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Food poisoning outbreaks in schools have been linked to inadequate or lack of hygiene practices. Most reported food poisoning occurred in education and learning institution premises such as school canteens, hostels and dining halls of higher learning institution. The study aims to examine factors that relate and contribute to the hand washing behavior among food handlers in the food service operations of boarding schools. The variables studied were knowledge, attitude, subjective norms, descriptive norms, perceived behavioral control, barriers, intentions and behavior of hand washing. This study utilized an extended Theory of Planned Behavior with the addition of descriptive norms and barriers constructs. The instrument employed in this study was adapted from the instrument used in the studies which also measures people’s behavior using the Theory of Planned Behavior. This study involved 146 food handlers who work in 18 hostels kitchen from two types of boarding schools in
Peninsular Malaysia which are Sekolah Berasrama Penuh (SBP) and Sekolah Menengah Kebangsaan Agama (SMKA). Cluster-stratified sampling was applied in this study.

Findings revealed that most respondents had good knowledge with score ≥ 70% (84.9%). There was no significant differences between food handlers who had received formal food hygiene training with those who had not receive any formal training. Demographic characteristic, namely age, were found to have a significant differences in food handlers’ perceived behavioral control and behavior. There were significant relationships among perceived behavioral control, attitudes, descriptive norms and subjective norms towards intentions. Findings also show that there are significant relationships exist between behaviors and perceived behavioral control as well as between behaviors and knowledge. Findings indicated that attitudes, subjective norms and perceived behavioral control were positively contributed to the intention. About 20.9% of the variance in hand washing intentions could be predicted by these constructs. Intentions and perceived behavioral control contributed to the prediction of behaviors. About 9.1% of the variance in hand washing behaviors could be predicted by these two constructs. This study suggests that there is a need to improve the existing food handlers training and education in order to improve the practice of hand washing by the food handlers in the food service operations.
Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk Ijazah Master Sains

FAKTOR MEMPENGARUHI TINGKAH LAKU MEMBASUH TANGAN DALAM KALANGAN PENGENDALI MAKANAN DALAM OPERASI PERKHIDMATAN MAKANAN DI SEKOLAH BERASRAMA

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di Sekolah Berasrama Penuh (SBP) dan Sekolah Menengah Kebangsaan Agama (SMKA) di Semenanjung Malaysia. Kaedah persampelan kelompok berstrata digunakan dalam kajian ini.

Dapatan kajian menunjukkan kebanyakan pengendali makanan memiliki pengetahuan membasuh tangan yang baik (84.9%) dengan markah ≥ 70%. Terdapat tiada perbezaan signifikan di antara pengendali makanan yang memiliki sijil pengendali makanan dengan kumpulan yang tidak memiliki sijil. Terdapat perbezaan signifikan dari segi faktor demografik iaitu faktor umur terhadap persepsi kawalan tingkah laku dan tingkah laku. Analisis korelasi menunjukkan hubungan signifikan wujud di antara persepsi kawalan tingkahlaku, sikap, norma deskripif dan norma subjektif terhadap niat. Hubungan signifikan juga wujud di antara tingkah laku dan persepsi kawalan tingkah laku dan juga di antara pengetahuan dan tingkah laku. Dapatan menunjukkan sikap, norma subjektif dan persepsi kawalan tingkah laku menyumbang kepada niat untuk membasuh tangan. Sebanyak 20.9% varian bagi niat membasuh tangan diramal oleh konstruk ini. Niat dan persepsi kawalan tingkah laku didapati meramalkan tingkah laku membasuh tangan. Sebanyak 9.1% varian bagi tingkah laku membasuh tangan diramal oleh konstruk ini. Kajian ini turut menyarankan agar latihan dan pendidikan sedia ada terhadap pengendali makanan diperbaiki agar amalan membasuh tangan dalam kalangan pengendali makanan dapat ditingkatkan.
ACKNOWLEDGEMENTS

All the praises and thanks be to Allah the Lord of ‘Alamin for I am able to complete this research. I am grateful to the many people who have assisted me in the course of this study. My heartfelt gratitude is offered to them for their advice, contribution and cooperation, without which, this study would not have been possible. First and foremost, I would like to express a very special thanks to Assoc. Prof. Dr. Rosini Binti Abu, my supervisor, who gave her time, invaluable assistance, encouragement and constructive suggestions in the preparation of this project report. My sincere thank to Dr. Abdullah Bin Mat Rashid for his valuable suggestions on the methods of data analysis employed in this study. I also take this opportunity to express my appreciation to the Ministry of Education of Malaysia (EPRD) and State Education Department for approving the research and for allowing me to carry it out in Perlis, Terengganu, Negeri Sembilan and Selangor. I am grateful to En. Zafrullah from School Division, Ministry of Education, Malaysia for the necessary input that has been given to me. I also would like to express my heartfelt gratitude to those who had-either directly or indirectly- helped me produce this work, especially my husband, parents, parents-in-law and best friends, for their moral support and motivation. My pursuit of Masters has been possible because of these special people who have constantly assisted me in continuing my further studies at University Putra Malaysia. Thank you.
I certify that an Examination Committee met on 25 October 2011 to conduct the final examination of Nornazira Binti Suhairom on her Master of Science thesis entitled “Factors Influencing Hand Washing Behaviors among Food Handlers in the Food Service Operations of Boarding Schools” in accordance with Universities and University Collages Act 1971 and the Constitution of the Universiti Putra Malaysia [P.U (A) 106] 15 March 1998. The Committee recommends that the student be awarded the Masters of Science.

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DECLARATION

I declare that the thesis is my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously, and is not concurrently, submitted for any other degree at University Putra Malaysia or other institution.

_______________________________
NORNAZIRA BINTI SUHAIRIOM

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