IMPACT OF FOOTWEAR STYLES ON POSTURAL CONTROL ABILITY

OF FEMALE ELDERLY

SUPANEE CHOUNCHAY

MASTER OF SCIENCE

IN MOVEMENT AND EXERCISE SCIENCES

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright[©] by Chiang Mai University All rights reserved

THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

FEBRUARY 2010

IMPACT OF FOOTWEAR STYLES ON POSTURAL CONTROL ABILITY

OF FEMALE ELDERLY

SUPANEE CHOUNCHAY

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN

PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE DEGREE OF

MASTER OF SCIENCE

IN MOVEMENT AND EXERCISE SCIENCES

THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

FEBRUARY 2010

IMPACT OF FOOTWEAR STYLES ON POSTURAL CONTROL ABILITY

OF FEMALE ELDERLY

SUPANEE CHOUNCHAY

THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE IN MOVEMENT AND EXERCISE SCIENCES

EXAMINING COMMITTEE

Virmonwon Kienskaen CHAIRPERSON

Assoc. Prof. Dr. Vimonwan Hiengkaew Somm Sught MEMBER

Asst. Prof. Dr. Somporn Sungkarat

Patr Sie MEMBER

ghts reserve

Dr. Patima Silsupadol

24 February 2010

© Copyright by Chiang Mai University

ACKNOWLEDGEMENT

I would like to express sincere gratitude and appreciation to my thesis advisor, Asst. Prof. Dr. Somporn Sungkarat for her valuable guidance, recommendations, encouragement, and support from the initial to the final level which enabled me to accomplish this thesis.

I would like to express a great thank to my thesis co-advisor, Dr. Patima Silsupadol for her valuable suggestions, helpful advices.

I wish to give my special thanks to all participants for their sacrifices the time to enroll into my thesis.

Special thankfulness is extended to the graduate school Chiang Mai University for a research grant.

Special thanks go to all my master classmates for their helps and wonderful friendships.

Finally, I would like to express my gratefulness to my dearest parents and my relatives for their love and support during difficult times and for always been there for me.

Supanee Chounchay