EFFECTS OF SPECIFIC COGNITIVE DOMAINS ON GAIT IN

INDIVIDUALS WITH MILD COGNITIVE IMPAIRMENT

SIRINTIP **KUMFU**

MASTER OF SCIENCE

IN MOVEMENT AND EXERCISE SCIENCES

THE GRADUATE SCHOOL CHIANG MAI UNIVERSITY MARCH 2011

EFFECTS OF SPECIFIC COGNITIVE DOMAINS ON GAIT IN

INDIVIDUALS WITH MILD COGNITIVE IMPAIRMENT

SIRINTIP KUMFU

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 MARCH 2011

EFFECTS OF SPECIFIC COGNITIVE DOMAINS ON GAIT IN

INDIVIDUALS WITH MILD COGNITIVE IMPAIRMENT

SIRINTIP KUMFU

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

CHAIRPERSON

Asst. Prof. Dr. Sujitra Boonyong

Singh .. MEMBER

Asst. Prof. Dr. Somporn Sungkarat

THESIS ADVISORY COMMITTEE

ungt **ADVISOR**

Asst. Prof. Dr. Somporn Sungkarat

..... CO-ADVISOR

Dr. Patima Silsupadol

..... MEMBER

Dr. Patima Silsupadol

2 March 2011 © 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 and Asst. Prof. Dr. Sujitra Boonyong for their valuable suggestions and helpful advices.

Special thanks to Miss Sirinun Boripuntakul and Miss Suleeporn Wongcharoen for their assistance during collecting the data.

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 research grants; Faculty of Associated Medical Science and graduate school Chiang Mai University.

Finally, I would like to express my gratefulness to Mrs. Wichitra Wongsa my mother, Miss Sirinart Kumfu my sister and Mr. Pitipan Suriyut my relatives for their encouragement during difficult times and for always being there for me. Specially, I would like to thank all graduate students for their support and friendships.

Sirintip Kumfu