

**SHEAR BOND STRENGTH OF DIFFERENT ADHESIVE SYSTEMS FOR
BONDING ORTHODONTIC BRACKETS TO FLUOROTIC TEETH**

KITTINUNT CHOTIKAEW

**MASTER OF SCIENCE
IN ORTHODONTICS**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

MARCH 2010

**SHEAR BOND STRENGTH OF DIFFERENT ADHESIVE SYSTEMS FOR
BONDING ORTHODONTIC BRACKETS TO FLUOROTIC TEETH**

KITTINUNT CHOTIKAEW

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS**

**FOR THE DEGREE OF
MASTER OF SCIENCE**

IN ORTHODONTICS

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

MARCH 2010

**SHEAR BOND STRENGTH OF DIFFERENT ADHESIVE SYSTEMS FOR
BONDING ORTHODONTIC BRACKETS TO FLUOROTIC TEETH**

KITTINUNT CHOTIKAEW

THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF SCIENCE
IN ORTHODONTICS

EXAMINING COMMITTEE

Jahn Phetcharakupt

.....CHAIRPERSON

Assoc. Prof. Vachara Phetcharakupt

Virush Patanaporn

.....MEMBER

Assoc. Prof. Virush Patanaporn

D. Jotikasthira

.....MEMBER

Assoc. Prof. Dhirawat Jotikasthira

M. Chai

.....MEMBER

Assist. Prof. Marasri Chaiworawitkul

9 March 2010

© Copyright by Chiang Mai University

ACKNOWLEDGEMENTS

I would like to express my sincere thanks to my advisor, Assoc. Prof. Virush Patanaporn and my co-advisor Assist. Prof. Siripong Sirimongkolwattana for their warm support, precious suggestions, help in improvement of this thesis, and for supporting me in attaining the goal of this project.

I would like to acknowledge the assistance of Instructor Narumanas Korwanich, Family and Community Dentistry, Faculty of Dentistry, Chiang Mai University, his support and suggestions about statistical analysis.

I would like to acknowledge the assistance of Instructor Thepparat Khemaleelakul, Restorative Dentistry and Periodontology, Faculty of Dentistry, Chiang Mai University, and his support and suggestions for the use of the Testing Instrument in the study.

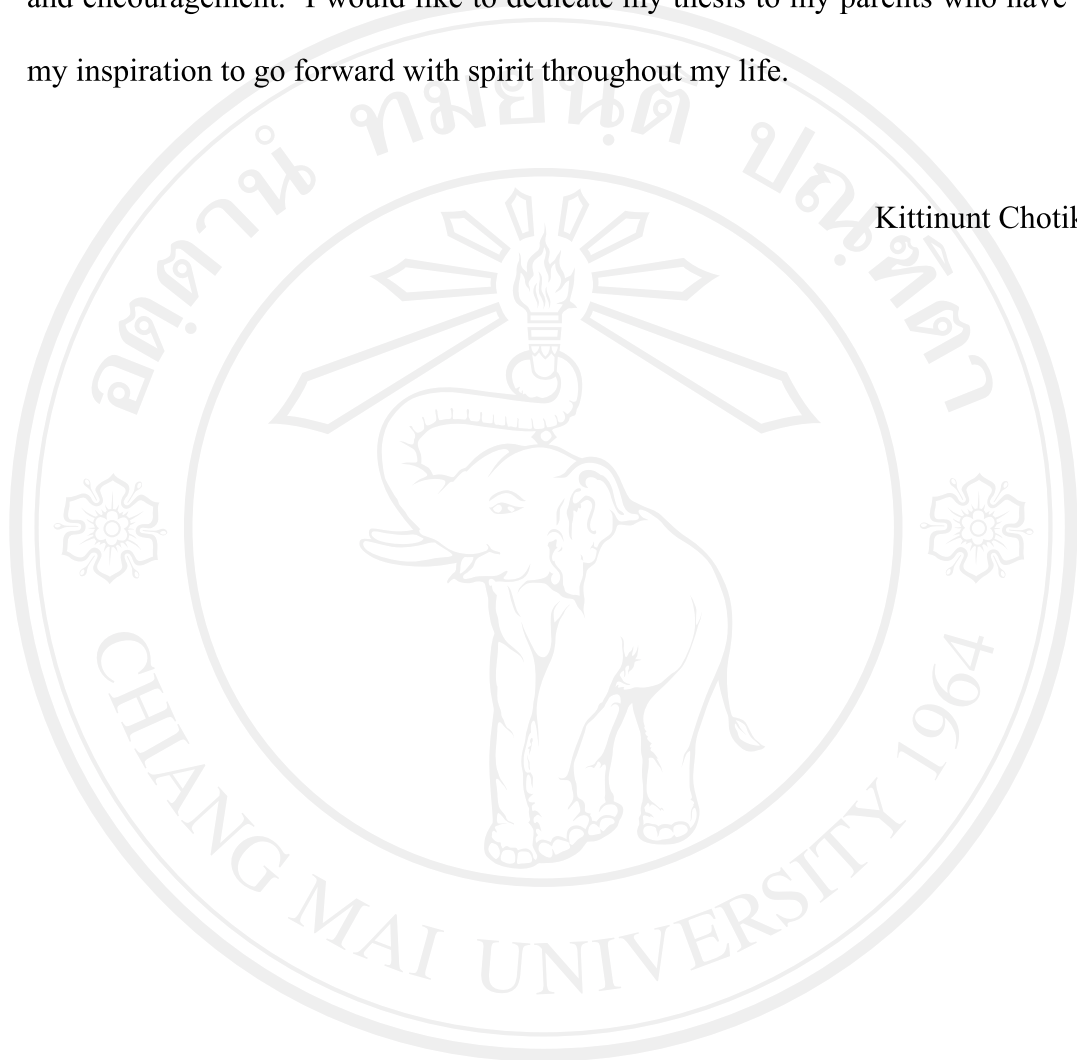
My special thanks are also extended to all the staff of the Department of Orthodontics and Pediatric Dentistry, Faculty of Dentistry, Chiang Mai University, for their support and suggestions.

I would like to acknowledge the Accord corporation, 3M company, J.E.B Millenium, Thailand for providing the materials used in this study.

I would like to acknowledge the assistance of Dr. M. Kevin O Carroll, Professor Emeritus of the University of Mississippi, School of Dentistry, and Faculty Consultant at Chiang Mai University, Faculty of Dentistry, in the preparation of the manuscript.

Lastly, I am deeply grateful to everyone in my family, who always give love, support and encouragement. I would like to dedicate my thesis to my parents who have been my inspiration to go forward with spirit throughout my life.

Kittinunt Chotikaew



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved