

**DYNAMIC CHARACTERISTIC ANALYSIS OF
THAI NATURAL RUBBER PRICE USING
FRACTAL THEORY**



MASTER OF ECONOMICS

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
DECEMBER 2014**

**DYNAMIC CHARACTERISTIC ANALYSIS OF THAI NATURAL
RUBBER PRICE USING FRACTAL THEORY**

XIAO TENG



**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
THE DEGREE OF MASTER OF ECONOMICS**

ลิขสิทธิ์ © by Chiang Mai University
All rights reserved

GRADUATE SCHOOL, CHIANG MAI UNIVERSITY

DECEMBER 2014

**DYNAMIC CHARACTERISTIC ANALYSIS OF THAI NATURAL
RUBBER PRICE USING FRACTAL THEORY**

XIAO TENG

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

Examination Committee:

Kantaporn Chuangchid.....Chairman

(Lect. Dr. Kantaporn Chuangchid)

Napat Harnpornchai.....Member

(Lect. Dr. Napat Harnpornchai)

Kanchana Ch.....Member

(Assoc. Prof. Dr. Kanchana Chokethaworn)

Advisory Committee:

Napat Harnpornchai.....Advisor

(Lect. Dr. Napat Harnpornchai)

Kanchana Ch.....Co-advisor

(Assoc. Prof. Dr. Kanchana Chokethaworn)

2 December 2014

Copyright © by Chiang Mai University

ACKNOWLEDGEMENT

I would like to give my greatest gratitude to those who have supported me throughout my thesis writing process. This project cannot be possibly completed without their help, support, and encouragement.

I pretty appreciate my advisor Lect. Dr. Napat Harnpornchai for his continuous support, significant help, and encouragement. His diligence, patience, and guidance are incentives to finish this thesis. I am highly grateful to my advisor.

A special thank of mine goes to Assoc. Prof. Dr. Kanchana Chokethaworn, for her kindly reading and correcting my paper.

Meanwhile, I would like to say thank you to Lect. Dr. Kantaporn Chuangchid, as she gave me the useful comments to improve my dissertation.

Finally, I would like to express my gratitude to my beloved families, who support and encourage me during my Master's process.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Xiao Teng