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BIOSTRATIGRAPHY OF TAK FA FORMATION
AT KHAO WONG AND KHAO CHAKKACHAN, AMPHOE NONG MUANG,
CHANGWAT LOP BURI WITH REFERENCE TO FUSULINIDS

Mrs.TATIYA JAIBOON

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

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By Mrs. Tatiya Jaiboon

Department Geology

Thesis Advisor Assistance Professor Malai Liengjarern, Ph.D.

Thesis Co-advisor Assistance Professor Sompop Vechakarnchana

Accepted by the Faculty of Science, Chulalongkorn University in Partial
Fulfillment of the Requirements for the Master 's Degree


Wanchai Phothiphichitr Dean of Faculty of Science
(Associate Professor Wanchai Phothiphichitr, Ph.D.)

THESIS COMMITTEE

S. Nakapadunrat Chairman
(Assistance Professor Somchai Nakapadunrat, Ph.D.)

Malai Liengjarern Thesis Advisor
(Assistance Professor Malai Liengjarern, Ph.D.)

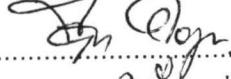
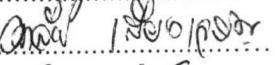
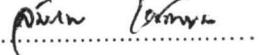
Chongphan Chonglakmani Member
(Mr.Chongphan Chonglakmani, Ph.D.)

K. Soonthornsaratul Member
(Mrs.Kasana Soonthornsaratul, Ph.D.)

ตติยา ใจบุญ : ลำดับชั้นหินเชิงชีวภาพของหมวดหินตากฟ้า โดยการอ้างอิงซากดึกดำบรรพ์ฟิวซูลินิดบริเวณเขาวงและเข้าจั้น อำเภอหนองม่วง จังหวัดลพบุรี(BIOSTRATIGRAPHY OF TAK FA FORMATION AT KHAO WONG AND KHAO CHAKKACHAN, AMPHOE NONG MUANG, CHANGWAT LOP BURI WITH REFERENCE TO FUSULINIDS) อ. ที่ปรึกษา : ผศ.ดร.มาลัย เลี้ยงเจริญ, อ.ที่ปรึกษาร่วม : ผศ.สมกพ เกษกาญจนฯ. 181 หน้า. ISBN 974-03-0514-8.

การทำวิจัยในครั้งนี้มีจุดประสงค์เพื่อจำแนกชนิดซากดึกดำบรรพ์ฟิวซูลินิดบริเวณเขาวงและเข้าจั้น ในเขตอำเภอหนองม่วง จังหวัดลพบุรี และจัดลำดับชั้นหินในบริเวณดังกล่าวโดยใช้ชนิดซากดึกดำบรรพ์ฟิวซูลินิดประกอบกับลักษณะทางธรณีวิทยาเป็นเกณฑ์ในการจัดทำ อีกทั้งเพื่อระบุอายุของหินในพื้นที่ศึกษา

ผลของการศึกษาพบซากดึกดำบรรพ์ฟิวซูลินิดจำนวน 13 ชนิด ใน 9 สกุล 4 วงศ์ ได้แก่ *Neofusulinella lantenoisi* Deprat, *Neofusulinella* cf. *saraburiensis* Toriyama, Kanmera, and Ingavat, *Chusenella* cf. *schwagerinaeformis* Sheng, *Parafusulina gigantea* (Deprat), *Parafusulina loeyensis* Pitakpaivan, *Parafusulina* sp.A Dunbar and Skinner, *Pseudofusulina* sp. Dunbar and Skinner, *Verbeekina verbeekii* (Geinitz), *Metadololiolina nongmuangensis* sp. nov., *Pseudodololiolina pseudolepida* (Deprat), *Colania douvillei* (Ozawa), *Sumatrina annae* (Volz) และ *Sumatrina* cf. *longissima* Deprat สามารถจัดแบ่งลำดับชั้นหินเชิงชีวภาพของหมวดหินตากฟ้าในบริเวณพื้นที่ศึกษาได้ทั้งสิ้น 5 หน่วยหินทางชีวภาพ (biozone) โดยบริเวณเขาวงแบ่งออกได้ 3 หน่วยหิน ได้แก่ *Colania douvillei* zone, *Metadololiolina nongmuangensis* zone และ *Fusulinid barren* zone ขณะที่บริเวณเข้าจั้นแบ่งออกได้ 2 หน่วยหิน ได้แก่ *Pseudodololiolina pseudolepida* - *Neofusulinella lantenoisi* zone และ *Parafusulina gigantea* – *Parafusulina loeyensis* zone ซากดึกดำบรรพ์ฟิวซูลินิดที่พบบ่งบอกอายุต่อนกลางของกลางยุคเพอร์เมียน ถึงตอนปลายของกลางยุคเพอร์เมียน

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AND KHAO CHAKKACHAN, AMPHOE NONG MUANG, CHANGWAT LOP BURI WITH

REFERENCE TO FUSULINIDS. THESIS ADVISOR : ASSIST.PROF.MALAI

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The purposes of this study are to identify the species of fusulinids and to study biostratigraphy and determine age of rock by using the fusulinids in the area of Khao Wong and Khao Chakkachan, Amphoe Nong Muang, Changwat Lop Buri.

The fusulinids found in the investigated area belong to 13 species of 9 genera 4 families : *Neofusulina lantenoisi* Deprat, *Neofusulinella* cf. *saraburiensis* Toriyama, Kanmera, and Ingavat, *Chusenella* cf. *schwagerinaeformis* Sheng, *Parafusulina gigantea* (Deprat), *Parafusulina loeyensis* Pitakpaivan, *Parafusulina* sp. A. Dunbar and Skinner, *Pseudofusulina* sp. Dunbar and Skinner, *Verbeekina verbeeki* (Geinitz), *Metadolliolina nongmuangensis* sp. nov., *Pseudodolliolina pseudolepida* (Deprat), *Colania douvillei* (Ozawa), *Sumatrina annae* (Volz), and *Sumatrina* cf. *longissima* Deprat. Five biozones were recognized biostratigraphic zones : *Pseudodolliolina pseudolepida* - *Neofusulinella lantenoisi* zone, *Parafusulina gigantea* - *Parafusulina loeyensis* zone, *Colania douvillei* zone, *Metadolliolina nongmuangensis* zone, and Fusulinid barren zone. The age of Tak Fa formation at the Khao Wong and Khao Chakkachan areas is Middle Wordian to Middle Capitanian.

Department.....Geology.....	Student's signature.....	
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គុណវិធីរោគ

ជាប្រភពនៃកម្ពុជា

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