

ลักษณะทางเภสัชเวทและองค์ประกอบทางเคมีของผลเร็ว



นางสาว รุจิลักษณ์ รัตตะรัมย์

ศูนย์วิทยทรัพยากร

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PHARMACOGNOSTIC PROPERTIES AND CHEMICAL COMPOSITION
OF BASTARD CARDAMOM



Miss Ruchilak Rattarom

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จุฬาลงกรณ์มหาวิทยาลัย

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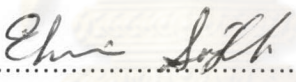
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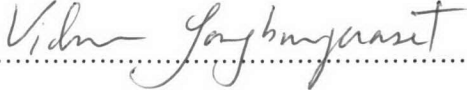
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ศึกษาลักษณะทางพฤกษศาสตร์ของตัวอย่างพืช 2 ชนิดในสกุล *Amomum* ที่เก็บได้จากธรรมชาติ
 ซึ่งใช้ชื่อ “เร่ว” สามารถระบุชนิดได้เป็น *Amomum uliginosum* K. D. Koenig และ *A. fulviceps* Thw.
 การศึกษาทางสัณฐานวิทยาและองค์ประกอบทางเคมีในน้ำมันหอมระเหย โดยเทคนิคแก๊สโครมาโต-
 กราฟี - แมสสเปกโตรสโคปีของผลเร่ว เปรียบเทียบกับเครื่องยาจากผลเร่วที่จำหน่ายในร้านยาแผน-
 โบราณ พบว่าผลเร่วที่จำหน่ายในร้านยาแผนโบราณในประเทศไทยเป็นชนิด *A. uliginosum* K. D.
 Koenig อีกชนิดที่พบน้อยน่าจะเป็น *Alpinia* sp. และพบ 2 ชนิดที่ปนปลอมในเครื่องยาจากผลเร่วคือ
Amomum fulviceps Thw. และ *Alpinia* sp. นอกจากนี้ยังได้ศึกษาลักษณะทางเภสัชเวทของผลเร่วชนิด
Amomum uliginosum K. D. Koenig เพื่อเป็นข้อมูลมาตรฐานการควบคุมคุณภาพเครื่องยาจากผลเร่ว

ศูนย์วิทยทรัพยากร
 จุฬาลงกรณ์มหาวิทยาลัย

ภาควิชา.....เภสัชพฤกษศาสตร์.....
 สาขาวิชา.....เภสัชพฤกษศาสตร์.....
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 ลายมือชื่ออาจารย์ที่ปรึกษา.....
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Botanical characteristic of two naturally collected species from genus *Amomum* that entitled “reo” were studied and identified to be *Amomum uliginosum* K. D. Koenig and *A. fulviceps* Thw. The comparative morphological studies and analysis of the essential oil by gas chromatography-mass spectroscopy between crude drugs “reo” from known self collected species and “reo” which were purchased from Thai traditional drug stores throughout Thailand were carried out. The results indicated that the commercially available crude drugs named “reo” in Thailand is from *A. uliginosum* K. D. Koenig, the other one that rarely found is probably *Alpinia* sp., and two adulterant species are *Amomum fulviceps* Thw. and the mentioned *Alpinia* sp. above. The pharmacognostic studied and qualitative evaluation of crude drugs from *Amomum uliginosum* K. D. Koenig were determined and the result could be used as a standard reference data for the drug.

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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

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ABBREVIATIONS

$^{\circ}\text{C}$	= Degree of Celsius
cm	= Centimeter
g	= Gram
IC_{50}	= 50% Inhibition concentration
LD_{50}	= 50% Lethal dose
m	= Meter
MeOH	= Methanol
mg	= Milligram
ml	= Milliliter
mm	= Millimeter
μg	= Microgram
μm	= Micrometer
syn	= synonym

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