

บรรณานุกรม

สำนักวิทยบริการ, สถาบันราชภัฏบ้านสมเด็จเจ้าพระยา. เอกสารสมุนไพรรไทย. กรุงเทพมหานคร.

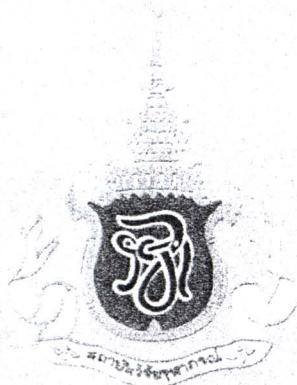
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ภาคผนวก

ผลงานที่ได้นำเสนอในงานประชุมวิชาการระดับนานาชาติ



ABSTRACTS AND PROCEEDINGS

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POSTER Presentation 13

ANTIMICROBIAL ACTIVITIES OF A NOVEL PROTEASE FROM *ARTOCARPUS HETEROPHYLLUS*

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A novel antimicrobial protease (AMP48) was purified from the latex of *Artocarpus heterophyllus* by acid precipitation and ion-exchange chromatography. The protease activity of AMP48 was detected using gelatin-zymography. The apparent molecular mass of this protein on SDS-PAGE was 48 kDa and its estimated pI by isoelectric focusing was 4.2. Antimicrobial activities of AMP48 were analyzed using broth dilution and agar plate methods. AMP48 exhibited antifungal activity against pathogenic strain of fungus (*Candida albican*) and antibacterial activity against *Pseudomonas aeruginosa* ATCC 27853. The study highlights the potential of AMP48 as a natural antimicrobial agent.

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