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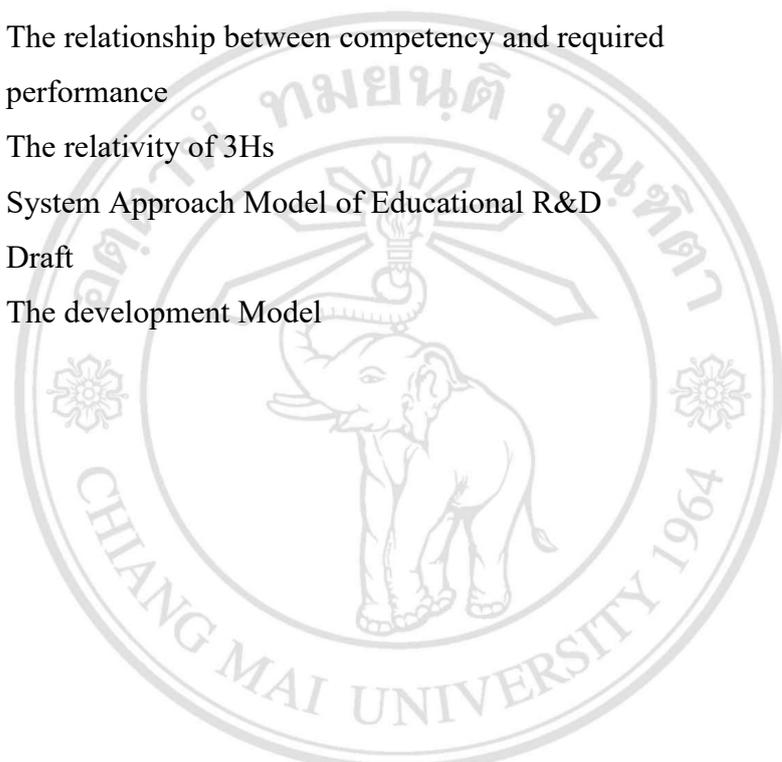
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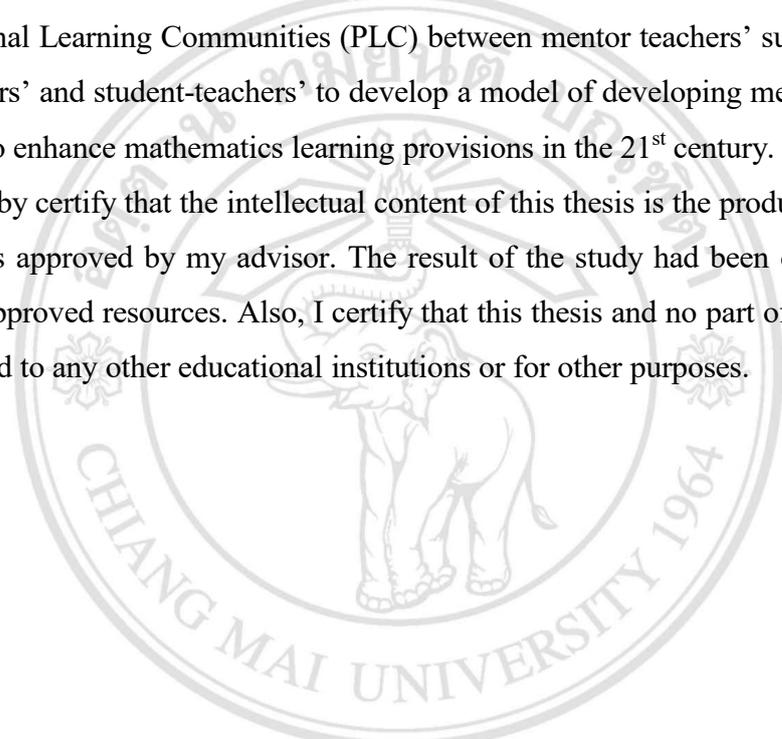


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## STATEMENTS OF ORIGINALITY

This thesis presents a model of developing mentor teachers' competencies to enhance mathematics learning provision in the 21<sup>st</sup> century refers to a plan that consists of work processes, relating to mentor teachers supervising student-teachers majoring in mathematics. By to mathematics learning and teaching management in the 21<sup>st</sup> century and Professional Learning Communities (PLC) between mentor teachers' supervision and mentor teachers' and student-teachers' to develop a model of developing mentor teachers' competency to enhance mathematics learning provisions in the 21<sup>st</sup> century.

I hereby certify that the intellectual content of this thesis is the product of my own work which is approved by my advisor. The result of the study had been obtained from reliable and approved resources. Also, I certify that this thesis and no part of this have not been submitted to any other educational institutions or for other purposes.

The seal of Chiang Mai University is a circular emblem. It features a central figure of an elephant, a symbol of wisdom and strength. The elephant is depicted in profile, facing left. Above the elephant, there is a traditional Thai decorative element. The entire seal is surrounded by a circular border containing the text "CHIANG MAI UNIVERSITY 1964" in English and Thai script.

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## ข้อความแห่งการริเริ่ม

วิทยานิพนธ์นี้ได้นำเสนอรูปแบบการพัฒนาสมรรถนะครูพี่เลี้ยงที่ส่งเสริมการจัดการเรียนรู้คณิตศาสตร์ในศตวรรษที่ 21 ซึ่งเป็นแบบแผนที่ประกอบด้วยกระบวนการทำงาน ที่แสดงความสัมพันธ์ขององค์ประกอบต่างๆ ในพัฒนาครูพี่เลี้ยงนักศึกษาสาขาวิชาคณิตศาสตร์ ถือเป็นแนวปฏิบัติโดยใช้การสร้างชุมชนวิชาชีพครู ระหว่างครูพี่เลี้ยง อาจารย์นิเทศ และนักศึกษาฝึกประสบการณ์วิชาชีพครู โดยมีวัตถุประสงค์เพื่อพัฒนาสมรรถนะครูพี่เลี้ยงที่ส่งเสริมการจัดการเรียนรู้คณิตศาสตร์ในศตวรรษที่ 21

ผู้วิจัยขอรับรองว่าเนื้อหาในวิทยานิพนธ์ฉบับนี้ เกิดจากการศึกษาค้นคว้าของผู้วิจัยโดยได้รับคำแนะนำจากอาจารย์ที่ปรึกษา ซึ่งผลการวิจัยได้มาจากแหล่งข้อมูลที่มีความน่าเชื่อถือและได้รับการยอมรับและขอรับรองว่าวิทยานิพนธ์ หรือส่วนหนึ่งส่วนใดของวิทยานิพนธ์ฉบับนี้ไม่ได้ถูกเสนอขอรับปริญญาในสถาบันการศึกษาอื่น หรือเพื่อวัตถุประสงค์อื่น



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