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ข้อความแห่งการริเริ่ม

- 1) วิทยานิพนธ์นี้ได้นำเสนอพฤติกรรมของการจัดการเรียนการสอนของครูวิทยาศาสตร์ที่ส่งเสริมความสามารถในการอ่านคิดวิเคราะห์และเขียนของนักเรียนในสถานศึกษาขั้นพื้นฐานและนำเสนอรูปแบบการประเมินซึ่งเป็นรูปแบบที่มีคุณภาพทั้งในเชิงทฤษฎีและเชิงการนำไปใช้
- 2) ผู้วิจัยขอรับรองว่าเนื้อหาในวิทยานิพนธ์ฉบับนี้เกิดจากการศึกษาค้นคว้าของผู้วิจัยโดยได้รับคำแนะนำจากอาจารย์ที่ปรึกษา ซึ่งผลการวิจัยได้มาจากแหล่งข้อมูลที่มีความน่าเชื่อถือและได้รับการยอมรับ และขอรับรองว่าวิทยานิพนธ์หรือส่วนหนึ่งของวิทยานิพนธ์ฉบับนี้ไม่ได้ถูกเสนอขอรับปริญญาในสถาบันการศึกษาอื่นหรือเพื่อวัตถุประสงค์อื่น

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STATEMENTS OF ORIGINALITY

- 1) This dissertation proposed the behavior of science teachers' instructional management which enhanced the abilities in reading, critical thinking, and writing of basic education students. It also proposed the evaluation model which was qualified both theoretically and practically.
- 2) The researcher certified that the dissertation contents was a result of the researcher's exploration and search with suggestions from advisors. The research findings were obtained from reliable and acceptable data sources. Moreover, the researcher certified that this dissertation or any part of it was never proposed for any other university's degree or any other purpose.

The seal of Chiang Mai University is a circular emblem. In the center is a detailed illustration of an elephant standing and facing left. Above the elephant is a five-pointed star. The entire central design is enclosed within a circular border. The words "CHIANG MAI UNIVERSITY" are written in a serif font along the bottom arc of the border, and the year "1964" is at the bottom right. Thai script is written along the top arc of the border.

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