

**ANTHROPOMETRIC MEASUREMENT IN CLINICAL  
APPLICATIONS: HEIGHT, BODY WEIGHT AND  
BODY COMPOSITION PREDICTION**

**KAWEESAK CHITTAWATANARAT**

**DOCTOR OF PHILOSOPHY  
IN CLINICAL EPIDEMIOLOGY**

**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
JUNE 2012**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN CLINICAL EPIDEMIOLOGY**

**THE GRADUATE SCHOOL  
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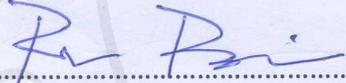
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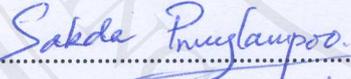
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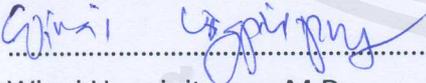
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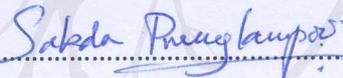
  
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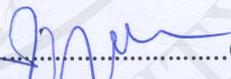
  
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