



**VALUE-ADDED OF ECONOMIC CROPS IN NORTHEAST  
THAILAND AS PROTOTYPE PRODUCT FOR MITIGATING  
NEUROPATHY AND CATARACT INDUCED  
BY DIABETES**

**MISS PAPHAPHAT THIRAPHATTHANAVONG**

**A THESIS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
KHON KAEN UNIVERSITY**

**2015**

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FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN NEUROSCIENCE  
GRADUATE SCHOOL KHON KAEN UNIVERSITY**

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