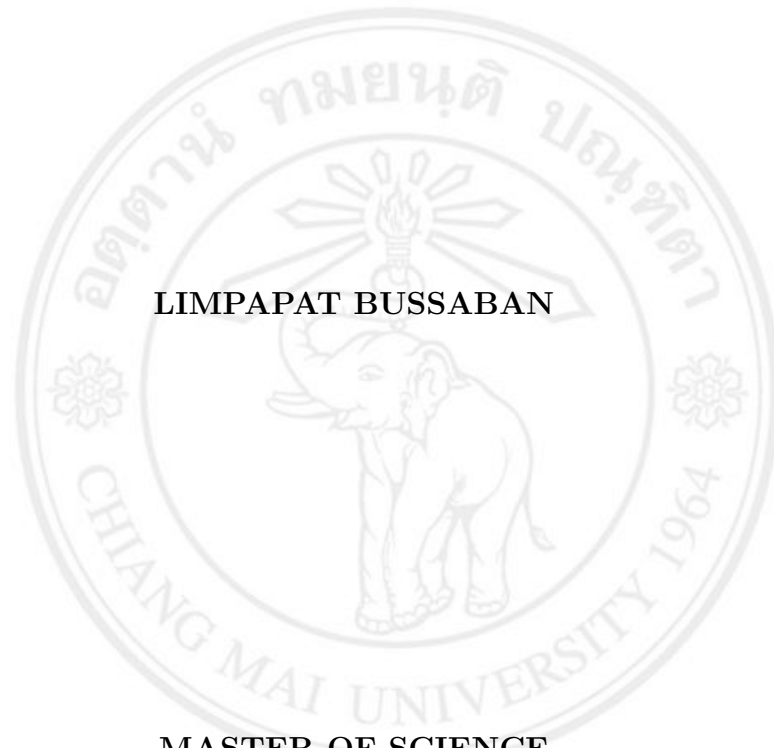


**SEMIGROUPS WHOSE SETS OF  $(m, n)$ -IDEALS  
AND  $(m, n)$ -QUASI-IDEALS COINCIDE**



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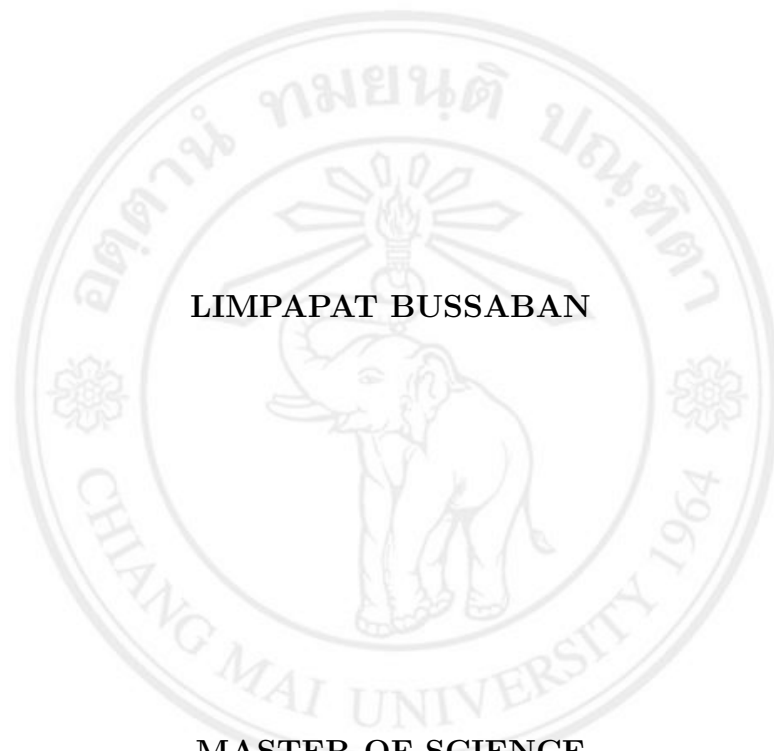
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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN MATHEMATICS**

**GRADUATE SCHOOL, CHIANG MAI UNIVERSITY  
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
THE REQUIREMENTS FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN MATHEMATICS

Examination Committee :

Advisor :

*Worachad Sommanee* ..... Chairman  
(Asst. Prof. Dr. Worachad Sommanee)

*Kritsada Sangkhanan* .....  
(Dr. Kritsada Sangkhanan)

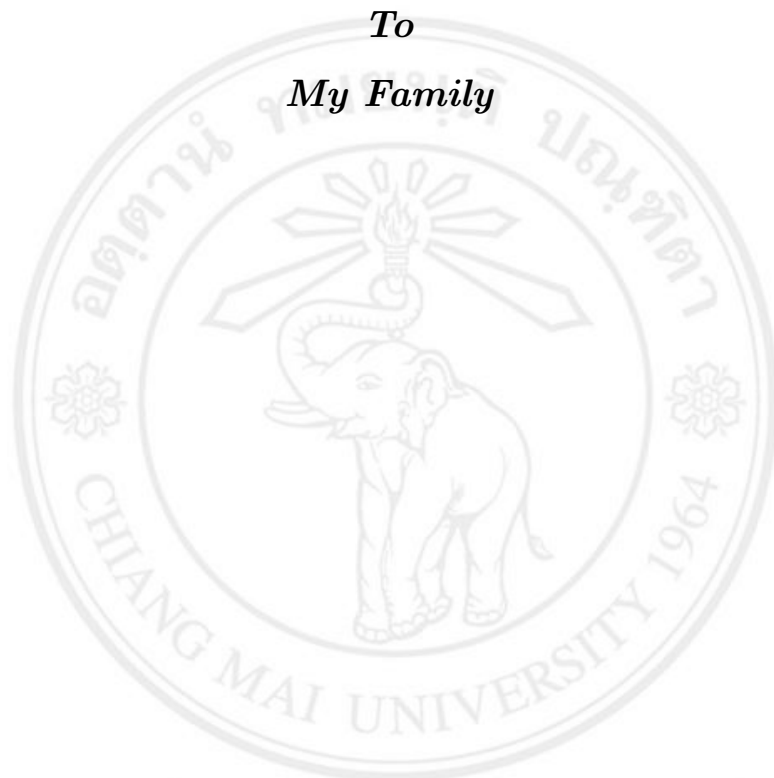
*Kritsada Sangkhanan* ..... Member  
(Dr. Kritsada Sangkhanan)

*Preeyanuch Honyam* ..... Member  
(Dr. Preeyanuch Honyam)

7 June 2017

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*To  
My Family*



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Limpapat Bussaban



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