

**THE ROLE OF HYDROGEN BONDING BY PROTIC  
IONIC LIQUID IN DRIVING PHASE SEPARATION  
OR PHASE MISCIBILITY IN UCST-TYPE  
PHASE TERNARY MIXTURE**

**WAN MELISSA DIYANA BINTI WAN NORMAZLAN**

**DISSERTATION SUBMITTED IN FULFILLMENT OF  
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**DEPARTMENT OF CHEMISTRY  
FACULTY OF SCIENCE  
UNIVERSITY OF MALAYA  
KUALA LUMPUR**

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