

**DEVELOPMENT OF A MICROCOLUMN SYSTEM FOR
ENHANCING PERFORMANCE IN FLOW INJECTION
SPECTROPHOTOMETRIC DETERMINATION
OF COPPER**

BOONLOM PURACHAT

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

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
MARCH 2002**

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