

**THE CELLULAR AND MOLECULAR MECHANISMS  
UNDERLYING APOPTOSIS AUGMENTATION VIA  
CELL CYCLE ARREST IN  
HUMAN CARCINOMA HCT116 CELLS BY  
*SWIETENIA MACROPHYLLA* KING  
DERIVED PHYTOCHEMICALS**

**GOH BEY HING**

**THESIS SUBMITTED IN FULFILMENT OF  
THE REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY**

**INSTITUTE OF BIOLOGICAL SCIENCES  
FACULTY OF SCIENCE  
UNIVERSITY OF MALAYA  
KUALA LUMPUR**

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**ORIGINAL LITERARY WORK DECLARATION**

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Name of Degree: **Doctor of Philosophy of Science**

Title of Project Paper/Research Report/Dissertation/Thesis ("this Work"):

**The Cellular and Molecular Mechanisms Underlying Apoptosis Augmentation via Cell Cycle Arrest in Human Carcinoma HCT116 Cells by *Swietenia macrophylla* King Derived Phytochemicals.**

Field of Study: **Biochemistry**

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