

**EVALUATION OF MICROBIOLOGICAL QUALITY  
AND SAFETY IN KUALA SEPETANG ESTUARIES  
(PERAK, MALAYSIA) USING CULTIVATION-  
DEPENDENT METHOD**

**AZIZ GHADERPOUR**

**DISSERTATION SUBMITTED IN FULFILMENT OF  
THE REQUIREMENTS FOR THE DEGREE OF  
BIOTECHNOLOGY**

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

**2013**