

**THESIS**

**UV-VIS SPECTROPHOTOMETRY AND UPLC-PDA AS AN ANALYTICAL TOOL  
FOR STANDARDIZATION OF *KAPPAPHYCUS ALVAREZII* WITH  
CHEMOMETRICS APPROACH**



**Arranged By:**

**Selma Mutiarahma**

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**FOOD SCIENCE AND TECHNOLOGY STUDY PROGRAM  
DEPARTMENT OF FOOD AND AGRICULTURAL PRODUCT TECHNOLOGY  
FACULTY OF AGRICULTURAL TECHNOLOGY  
UNIVERSITAS GADJAH MADA  
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