

## **UNDERGRADUATE THESIS**

# **CYTOTOXIC EFFECT OF MADAGASCAR PERIWINKLE (*Catharanthus roseus* (L.) G. Don) ETHANOLIC LEAVES EXTRACT IN BREAST CANCER MCF-7 CELL LINE**



Arranged by :

**M. Naufal Rafaraditya Putra**

**19/444221/BI/10335**

**FACULTY OF BIOLOGY  
UNIVERSITAS GADJAH MADA  
YOGYAKARTA**

**2024**

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Proposed to fulfill the requirements to achieve Bachelor of Science degree in Biology Study Program of Faculty of Biology, Universitas Gadjah Mada.



**Arranged by:**

**M. Naufal Rafaraditya Putra (19/444221/BI/10335)**

**Thesis Supervisor:**

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VALIDATION PAGE

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This undergraduate thesis has been defended in front of the Examination Team on  
March 8<sup>th</sup>, 2024 and declared to have met requirements


Yogyakarta, 13 May 2024

Faculty of Biology

Universitas Gadjah Mada


**Examiners**

Chief Examiner



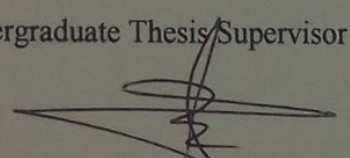
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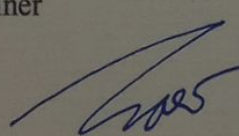
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