

**UNDERGRADUATE THESIS**

**SYNTHESIS OF PYRAZOLINE DERIVATIVES FROM 2-  
ACETYLFURAN ALONG WITH ITS ACTIVITY AND SELECTIVITY  
ASSAY AS COPPER(II) ION FLUORESCENT CHEMOSENSOR**

***SINTESIS TURUNAN PIRAZOLINA DARI 2-ASETILFURAN DAN UJI  
AKTIVITAS SERTA SELEKTIVITASNYA SEBAGAI KEMOSENSOR  
FLUOROSENS ION TEMBAGA(II)***



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19/440465/PA/19095

**INTERNATIONAL UNDERGRADUATE PROGRAM OF CHEMISTRY  
DEPARTMENT OF CHEMISTRY  
FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
UNIVERSITAS GADJAH MADA  
YOGYAKARTA**

**2023**

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Submitted to fulfill one of the requirements to obtain the degree of Bachelor of  
Science in Chemistry



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**RATIFICATION PAGE**

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Prepared and assembled by:

ILHAM DWI RUSYDI

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Defended in front of the Examiner Board  
On 6<sup>th</sup> July 2023

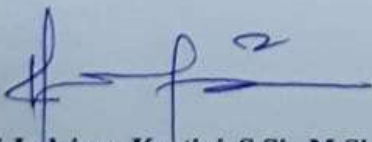
Formation of the Examiner Board



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**Prof. Drs. Roto, M.Eng., Ph.D.**  
Examiner I



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Examiner II

Mengetahui,  
a.n. Dekan FMIPA UGM  
Wakil Dekan Bidang Pendidikan, Pengajaran  
dan Kemahasiswaan