

UNDERGRADUATE THESIS

**EXPLORATORY DBU AND DABCO-CATALYZED SYNTHESIS OF N-
HETEROCYCLES USING 2-HYDROXYCYCLOHEXANONE DIMER**

***EKSPLORASI SINTESIS N-HETEROSIKLUS TERKATALISASI DENGAN
DBU DAN DABCO DARI DIMER 2-HIDROKSISIKLOHEKSANON***



Michael Johnathan Tjondrorahardja
21/472589/PA/20309

**BACHELOR OF CHEMISTRY
DEPARTMENT OF CHEMISTRY
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2025

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Proposed as one of the requirements to obtain
Bachelor in Science, Chemistry



Michael Johnathan Tjondrorahardja
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RATIFICATION PAGE
UNDERGRADUATE THESIS

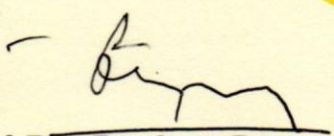
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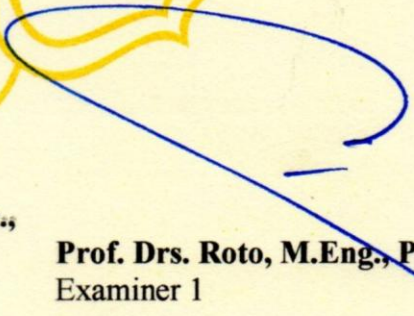
Michael Johnathan Tjondrorahardja
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Has been defended upon the examination team on 14th April 2025


List of Examiners



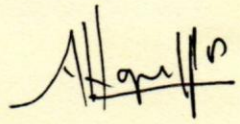
**Prof. Drs. Bambang Purwono, M.Sc.,
Ph.D.**
Advisor 1



Prof. Drs. Roto, M.Eng., Ph.D.
Examiner 1



Assoc. Prof. Zaher M. A. Judeh
Advisor 2



**Fajar Inggit Pambudi, S.Si., M.Sc.,
Ph.D.**
Examiner 2

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



Prof. Drs. Roto, M.Eng., Ph.D.
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