UNIVERSITAS
GADJAH MADA
**EFFECTIVENESS EVALUATION OF PINEAPPLE (Ananas comosus (L) Merr. ) PEEL ETHANOLIC EXTRACT AS A
NATURAL PRESERVATIVE IN MEAT PRODUCTS**
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**UNDERGRADUATE THESIS**

**By:**
**Mohammad Daffa Akbar**
**22/492136/BI/10906**

**FACULTY OF BIOLOGY**
**UNIVERSITAS GADJAH MADA**
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**UNDERGRADUATE THESIS**

To fulfill some of the requirements for obtaining a

Bachelor of Science Degree in Biology Study Program

**by:**

**Mohammad Daffa Akbar**

**22/492136/BI/10906**

**Thesis Supervisor: Sari Darmasiwi, S.Si., M.Biotech., Ph.D.**

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# APPROVAL SHEET

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**Written by:**

**Mohammad Daffa Akbar**

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Has been reviewed, approved, and declared to meet the requirements to proceed with the thesis defense

Yogyakarta, 23 April 2026

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