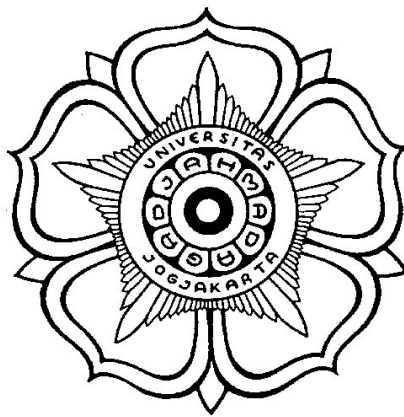


Dissertation

**DETECTION OF ASYMPTOMATIC
Candidatus Liberibacter asiaticus-INFECTED CITRUS
USING AN ELECTRONIC NOSE**

To fulfil part of the requirements for a doctoral degree
Program Study Agricultural Sciences
Major in Phytopathology to



Submitted by
Anthoni Sulthan Harahap
19/450326/SPN/00651

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FACULTY OF AGRICULTURE
UNIVERSITAS GADJAH MADA YOGYAKARTA
2026

Dissertation

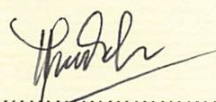
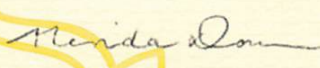
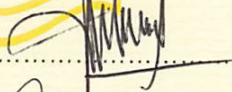
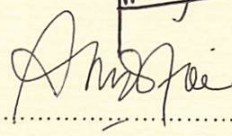
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Defended before the Examination Board

On July 16, 2026

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