



**Non-linear Analysis of Pile Foundation in Liquefiable Soil Using Dynamic Constitutive Model and Seismic Hazard Analysis**

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UNIVERSITAS  
GADJAH MADA

**NON-LINEAR ANALYSIS OF PILE FOUNDATION IN LIQUEFIABLE SOIL USING  
DYNAMIC CONSTITUTIVE MODEL AND SEISMIC HAZARD ANALYSIS**

**THESIS**

Submitted to fulfil one of the requirements to obtain a Master of Engineering degree in the  
Master's Program in Civil Engineering Studies



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## APPROVAL PAGE

The Supervisory Team approved the thesis

### NON-LINEAR ANALYSIS OF PILE FOUNDATION IN LIQUEFIABLE SOIL USING DYNAMIC CONSTITUTIVE MODEL AND SEISMIC HAZARD ANALYSIS

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The thesis has been defended in front of the Board of Examiners  
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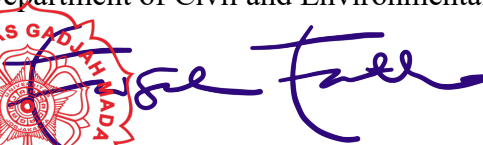
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