

DEVELOPMENT OF THRESHOLD CRITERIA FOR RAINFALL- TRIGGERED LAHAR

Dissertation

To fulfil the requirement
for the degree of doctoral of engineering

Department of Civil and Environmental Engineering
Faculty of Engineering, Universitas Gadjah Mada



Submitted by:

Ani Hairani

15/389944/STK/00538

To

**DOCTORAL PROGRAM
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
FACULTY OF ENGINEERING
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2020