

**RANCANG BANGUN SISTEM LIDAR MAPPING BERBASIS  
ALGORITMA SLAM (*SIMULTANEOUS LOCALIZATION AND  
MAPPING*)**

**(Studi Kasus : Pengujian Ruangan Terkonfigurasi Skala  
Laboratorium)**

**TESIS**



**Disusun oleh:**

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**19/452072/PTK/13100**

**PROGRAM STUDI MAGISTER TEKNIK GEOMATIKA  
DEPARTEMEN TEKNIK GEODESI  
FAKULTAS TEKNIK  
UNIVERSITAS GADJAH MADA  
2021**

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Tesis

Untuk memenuhi sebagai persyaratan

Mencapai derajat Magister

Program Studi Magister Teknik Geomatika

Kelompok Bidang Ilmu Teknik



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**2021**

# **DESIGNING OF LIDAR MAPPING SYSTEM BASED ON SLAM ALGORITHM**

***(SIMULTANEOUS LOCALIZATION AND MAPPING)***

***Case Study : Laboratory Scale Configured Room Testing***

**POSTGRADUATE THESIS**



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**GEOMATICS ENGINEERING STUDY PROGRAM  
DEPARTMENT OF GEODETIC ENGINEERING  
FACULTY OF ENGINEERING  
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YOGYAKARTA  
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**(SIMULTANEOUS LOCALIZATION AND MAPPING)**

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Postgraduate Thesis

Submitted as Partial Fulfillment of the Requirements for Obtaining the  
Degree of Magister of Engineering in Geomatics Engineering Study  
Program



By:

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To

**GEOMATICS ENGINEERING STUDY PROGRAM  
DEPARTMENT OF GEODETIC ENGINEERING  
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