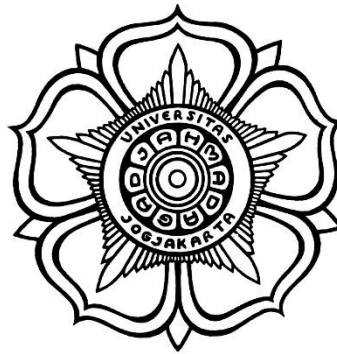


**KAJIAN DETEKSI PERUBAHAN 3D KAWASAN TANAH LONGSOR
MENGGUNAKAN DEM CITRA RADAR SENTINEL 1A DAN
DEM FOTO UDARA
(STUDI KASUS: CAMERON HIGHLANDS, MALAYSIA)**

SKRIPSI



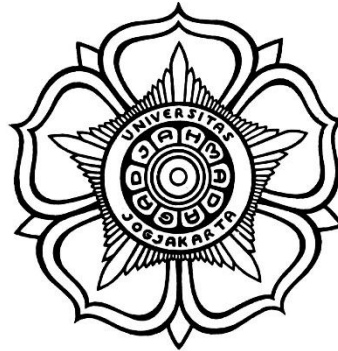
AISYAH NOVITARIMA
NIM : 15 / 381344 / TK / 43412

**PROGRAM STUDI SARJANA TEKNIK GEODESI
DEPARTEMEN TEKNIK GEODESI
FAKULTAS TEKNIK
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2019

**A STUDY ON 3D CHANGE DETECTION OF LANDSLIDE TERRAINS
USING DEM FROM SENTINEL 1A RADAR SATELLITE IMAGE
AND DEM FROM AERIAL PHOTOS
(CASE STUDY: CAMERON HIGHLANDS, MALAYSIA)**

FINAL PROJECT



AISYAH NOVITARIMA

NIM : 15 / 381344 / TK / 43412

UNDERGRADUATE STUDY PROGRAM OF GEODETIC ENGINEERING

DEPARTMENT OF GEODETIC ENGINEERING

FACULTY OF ENGINEERING

UNIVERSITAS GADJAH MADA

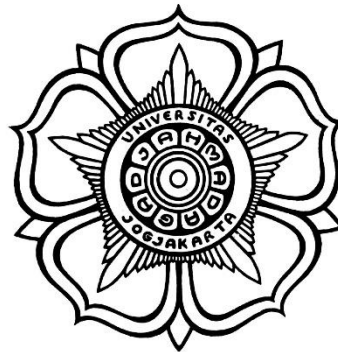
YOGYAKARTA

2019

**KAJIAN DETEKSI PERUBAHAN 3D KAWASAN TANAH LONGSOR
MENGGUNAKAN DEM CITRA RADAR SENTINEL 1A DAN
DEM FOTO UDARA
(STUDI KASUS: CAMERON HIGHLANDS, MALAYSIA)**

SKRIPSI

**Untuk memenuhi salah satu persyaratan dalam
mencapai derajat Sarjana Teknik
Program Studi Teknik Geodesi**



Diajukan oleh

AISYAH NOVITARIMA
NIM : 15 / 381344 / TK / 43412

Kepada

**PROGRAM STUDI SARJANA TEKNIK GEODESI
DEPARTEMEN TEKNIK GEODESI
FAKULTAS TEKNIK
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2019



UNIVERSITAS
GADJAH MADA

**KAJIAN DETEKSI PERUBAHAN 3D KAWASAN TANAH LONGSOR MENGGUNAKAN DEM CITRA
RADAR SENTINEL 1A DAN DEM
FOTO UDARA (STUDI KASUS: CAMERON HIGHLANDS, MALAYSIA)**

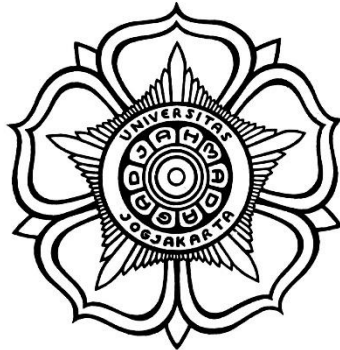
Aisyah Novitarima, Abdul Basith, ST., M.Si., Ph.D.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

**A STUDY ON 3D CHANGE DETECTION OF LANDSLIDE TERRAINS USING DEM
FROM SENTINEL 1A RADAR SATELLITE IMAGE
AND DEM FROM AERIAL PHOTOS
(CASE STUDY: CAMERON HIGHLANDS, MALAYSIA)**

FINAL PROJECT

**submitted as a partial fulfillment of the requirements for obtaining the
degree of Bachelor of Engineering in Study Program of Geodetic Engineering**



By

AISYAH NOVITARIMA
NIM : 15 / 381344 / TK / 43412

To

**UNDERGRADUATE STUDY PROGRAM OF GEODETIC ENGINEERING
DEPARTMENT OF GEODETIC ENGINEERING
FACULTY OF ENGINEERING
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2019