

# **FINAL ASSIGNMENT**

## **STUDY ON USING OF SARANG LABA-LABA FOUNDATION FOR THE SUBGRADE OF PAVEMENT**

**Proposed to Complete Any Assential to Obtain  
Bachelor Degrees (S1) of Civil Engineering**



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**DEPARTMENT OF CIVIL ENGINEERING OF  
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UNIVERSITAS ISLAM SULTAN AGUNG  
SEMARANG  
2016**



YAYASAN BADAN WAKAF SULTAN AGUNG  
UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)  
**FAKULTAS TEKNIK JURUSAN SIPIL**  
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APPROVAL PAGE

STUDY ON USING OF SARANG LABA-LABA  
FOUNDATION FOR THE SUBGRADE OF PAVEMENT  
(CASE STUDY SEMARANG – PURWODADI ROAD)



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Has been approved and endorsed in Semarang on 13 June,2016, by:

Supervisor

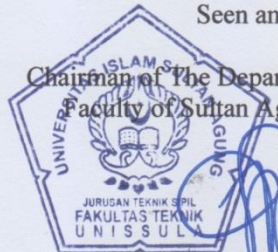
Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-supervisor

H.Rifqi Brilyant Arief, ST.,MT

Seen and Approve:

Chairman of The Department of Civil Engineering  
Faculty of Sultan Agung Islamic University



Ir. H. Rachmat Mudiyono, MT., Ph.D



**YAYASAN BADAN WAKAF SULTAN AGUNG  
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**PROCESS VERBAUX OF THE FINAL ASSIGNMENT GUIDANCE**

**Number: 02 / A.2 / SA-T / I / 2016**

On this day, 13 June 2016 under the decree of Sultan Agung Islamic University (UNISSULA) Semarang, concerning the appointment of supervisor and co-supervisor:

1. Name : Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D  
Academic Position : Lector  
Position : Supervisor
2. Name : H. Rifqi Brilyant Arief, ST.,MT  
Academic Position : Lector  
Position : Co-supervisor

Hereby certify that the students have already completed under the guidance of Final Assignment:

Name : Bella Wiga Adhitya  
NIM : 30201203233

Name : Aulina Mardikasari  
NIM : 30201203315

Title: STUDY ON USING OF SARANG LABA-LABA FOUNDATION FOR THE SUBGRADE OF PAVEMENT

No	Stages	Date	Description
1	Appointment of supervisor	7 January 2016	
2	Proposal	11 January 2016	ACC
3	Data collection	8 February 2016	
4	Data analysis	14 April 2016	
5	Preparation of reports	10 May 2016	
6	Completion report	13 June 2016	ACC

The following stages :

Similarly Process Verbaux was created to be known and used as needed by the interested parties

Supervisor

**Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D**

Co-supervisor

**H. Rifqi Brilyant Arief, ST., MT**



See and Approve  
Head of the department of civil engineering

**Ir. H. Rachmat Mudiyo, MT., Ph.D**

SURAT PERNYATAAN KEASLIAN

Yang bertanda tangan di bawah ini:

Nama : AULINA MARDIKASARI / BELLA WISYA ADHITYA


NIM : 30201203315 / 30201203233

Dengan ini saya nyatakan bahwa Karya Tulis Ilmiah yang berjudul:

STUDY ON USING OF SARANG LABA-LABA FOUNDATION FOR THE  
SUBGRADE OF PAVEMENT

Adalah benar hasil karya saya dan penuh kesadaran bahwa saya tidak melakukan tindakan plagiasi atau mengambil alih seluruh atau sebagian besar karya tulis orang lain tanpa menyebutkan sumbernya. Jika saya terbukti melakukan tindakan plagiasi, saya bersedia menerima sanksi sesuai dengan aturan yang berlaku.

Semarang, 23 SEPTEMBER 2016

  
AULINA MARDIKASARI  
Nama Terang

  
BELLA WISYA ADHITYA

# MOTTO

... اللَّهُ الَّذِينَ آمَنُوا مِنْكُمْ وَالَّذِينَ أُوتُوا الْعِلْمَ دَرَجَاتٍ... ..

“.....Allah will raise those of you who believe, and those who have knowledge, in some position among you. Allah is aware of what you do”. (QS. Al Mujadalah: 11)

“You’ll learn, as you get older, that rules are made to be broken. Be bold enough to live life on your terms, and never, ever apologize for it. Go against the grain, refuse to conform, take the road less traveled instead of the well-beaten path. Laugh in the face of adversity, and leap before you look. Dance as though EVERYBODY is watching. March to the beat of your own drummer. And stubbornly refuse to fit in”

(Mandy Hale, The Single Woman: Life, Love, and a Dash of Sass)

“A good listener tries to understand fully what the other person is saying. In the end he may strongly disagree, but before he did not agree, he would like to know first exactly what is not approved”

(Kenneth A. Wells)

## ACKNOWLEDGEMENT

*Bismillahirrahmanirrahim*

*Assalamu'alaikum Wr.Wb*

In the name ALLAH, Most Gracious, Most Merciful.

*Alhamdulillahirabbil'alamiin, Innalhamdalillah nahmaduhu wa nasta-  
'iynuhu.* Upon *Ridho* and *Rahmat Allah Subhana wa Ta'ala* this research and thesis can be completed, entitled "STUDY ON USING OF SARANG LABA-LABA FOUNDATION FOR THE SUBGRADE OF PAVEMENT"

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Semarang, 13 June 2016

The Writer

Bella Wiga Adhitya

Aulina Mardikasari