

# **FINAL ASSIGMENT**

## **DESIGN OF ROAD AND RUNWAY PAVEMENT USING CAKAR AYAM FOUNDATION**

**Proposed to Fulfill Academic Requirement For  
Civil Engineering Degree in Faculty  
of Engineering of UNISSULA**



**Drafted By:**

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Dengan ini menyatakan Tugas Akhir/Skripsi saya yang berjudul DESIGN OF ROAD AND RUNWAY PAVEMENT USING CAKAR AYAM FOUNDATION adalah karya ilmiah yang bebas dari plagiat jika kemudian hari terbukti terdapat plagiat dalam Tugas Akhir/Skripsi ini maka saya bersedia menerima sanksi sesuai peraturan yang berlaku.

Semarang, Januari 2018

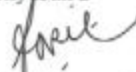
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**APPROVAL PAGE**

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USING CAKAR AYAM FOUNDATION**

**By:**



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Judul TA **Design of Road and Runway Pavement Using Cakar Ayam Foundation**

Dengan Hasil

- Proseki abstrak
- Revisi
- dll sesuai dengan

Demikian Berita Acara Seminar Tugas Akhir ini dibuat untuk diketahui dan digunakan seperlunya.

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Dosen Pembimbing II

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Dosen Pembimbing

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1. Nama : Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D.  
Akademik : Lektor
2. Nama : Dr. Ir. Rinda Karlinasari, MT.  
Akademik : Asisten Ahli

Dengan ini menyatakan bahwa Mahasiswa yang tersebut di bawah ini telah menyelesaikan bimbingan Tugas Akhir atau Skripsi:

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Jurusan : Teknik Sipil  
Judul : "Design of Road and Runway Pavement  
Using Cakar Ayam Foundation"

Dengan tahapan sebagai berikut:

No.	Tahapan	Tanggal	Keterangan
1	Penunjukan Dosen Pembimbing		-
2	Pengumpulan Data		-
3	Penyusunan Laporan		-
4	Selesai Laporan		Acc
5	Seminar Tugas Akhir		-

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Mengetahui

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Semarang, 26 Maret 2018



*Garit Dani Hapsari*  
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Semarang, 26 Maret 2018



Aifa Chrinsky Maretta

*"I'm dedicated this final assignment to the knowledge of highway engineering  
as my worship to Allah Subhana wa Ta'ala"*



## **MOTTO**

"On this day every soul be rewarded with what it earned, no one harmed today.  
Allah is swift at reckoning".

(QS. Al Ghafir : 17)

"Behold along with the difficulty there is relief. Therefore when you're done (do  
something else). And hope to the Lord.

(QS. Al Insyirah : 6-8)

"Everything went well even though everything seems to go wrong at all if  
you are honest with yourself. Instead, everything is not good for you even if  
everything looks right, if you are not honest with yourself".

(Mahatma Gandhi)

"Humans are given the ability by God for hope and expect, till then he hopes to  
take the negligence of his eyelids, so as to witness the true self And who see the  
truth of real life for himself, for all human beings and the universe.

(Kahlil Gibran)

## ACKNOWLEDGEMENTS

*Alhamdulillah* rabbi'l'alamiin, *Innalhamdalillah nahmaduhu wa nasta-  
'iynuhu*. Upon *Ridho* and *Rahmat Allah Subhana wa Ta'ala* this research and final  
assignment report can be completed.

In preparing this report, I was in contact with many people, researchers, academicians, and practitioners. They have contributed towards my understanding and thoughts. In particular, I wish to express my sincere appreciation to my main research and final assignment supervisor, Ir. Gator Rusbintardjo, M.R.Eng.Sc., Ph.D., for his encouragement, guidance, criticism, and friendship. I am also very thankful to my co-supervisor Dr. Ir. Rinda Karlinasari, MT. for her guidance, advice and motivation. Without their continued support and interest, this final assignment report would not have been the same as presented here.

My special thanks are addressed to Dean of the engineering Faculty of UNISSULA Bapak Ir. H. Prabowo Setiawan, M.T., Ph.D. and Head of Department of Civil Engineering, Faculty of Engineering UNISSULA Bapak Dr. Abdul Rochim, S.T., M.T., for permission, to take final assignment as the requirement for reaching Bachelor Degree in Civil Engineering in Faculty of Engineering UNISSULA.

Very special thanks are given to my beloved parents Mr. Aji Supriohadi and Mrs. Sri Winarsih, my sibling Miftah Desma S and Tika Maretta. Their patience, prayers and understanding during this study were always a blessing,

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