

**A STUDY OF MAIN CONSTRUCTION DELAYS FACTORS  
RELATING TO PRODUCTIVITY AND QUALITY OF THE  
PRODUCT IN YOGYAKARTA CITY**

Final project

By:

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INTERNATIONAL S1 PROGRAM  
DEPARTMENT OF CIVIL ENGINEERING  
FACULTY OF ENGINEERING  
UNIVERSITAS ATMA JAYA YOGYAKARTA  
YOGYAKARTA  
2014

## **STATEMENT**

I affirm and stating that this final project titled as:

**“A STUDY OF MAIN CONSTRUCTION DELAYS FACTORS  
RELATING TO PRODUCTIVITY AND QUALITY OF THE  
PRODUCT IN YOGYAKARTA CITY”**

is the result of my own works not a plagiarism of other people's work, excepts those already mentioned on the references. It is submitted in a fulfillment of requirement for the bachelor degree at Atma Jaya University Yogyakarta.

Yogyakarta may, 2014

Who made the remarks,

**APPROVAL**

Final Project

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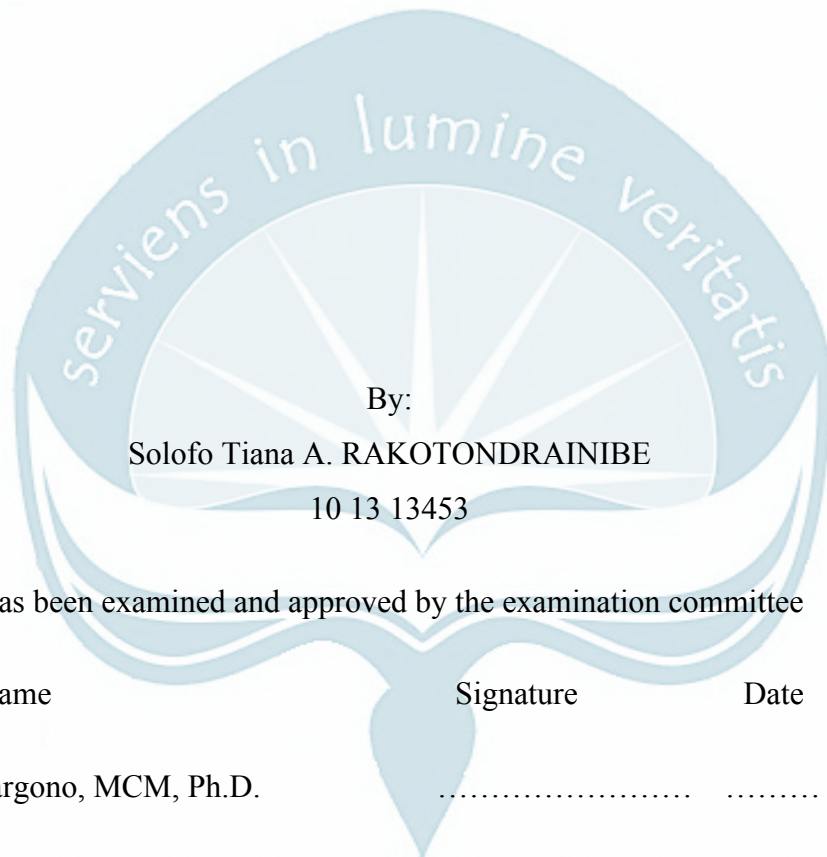
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**APPROVAL**

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I realize that this report contain many mistakes, misspelling, grammatical errors, so I apology for all of those and anyone who have any suggestions and critics to ameliorate the next report are very welcome. Finally, I hope that my work on this final project could be an advantage for any one else who read it and use it as reference.

Yogyakarta, 2014

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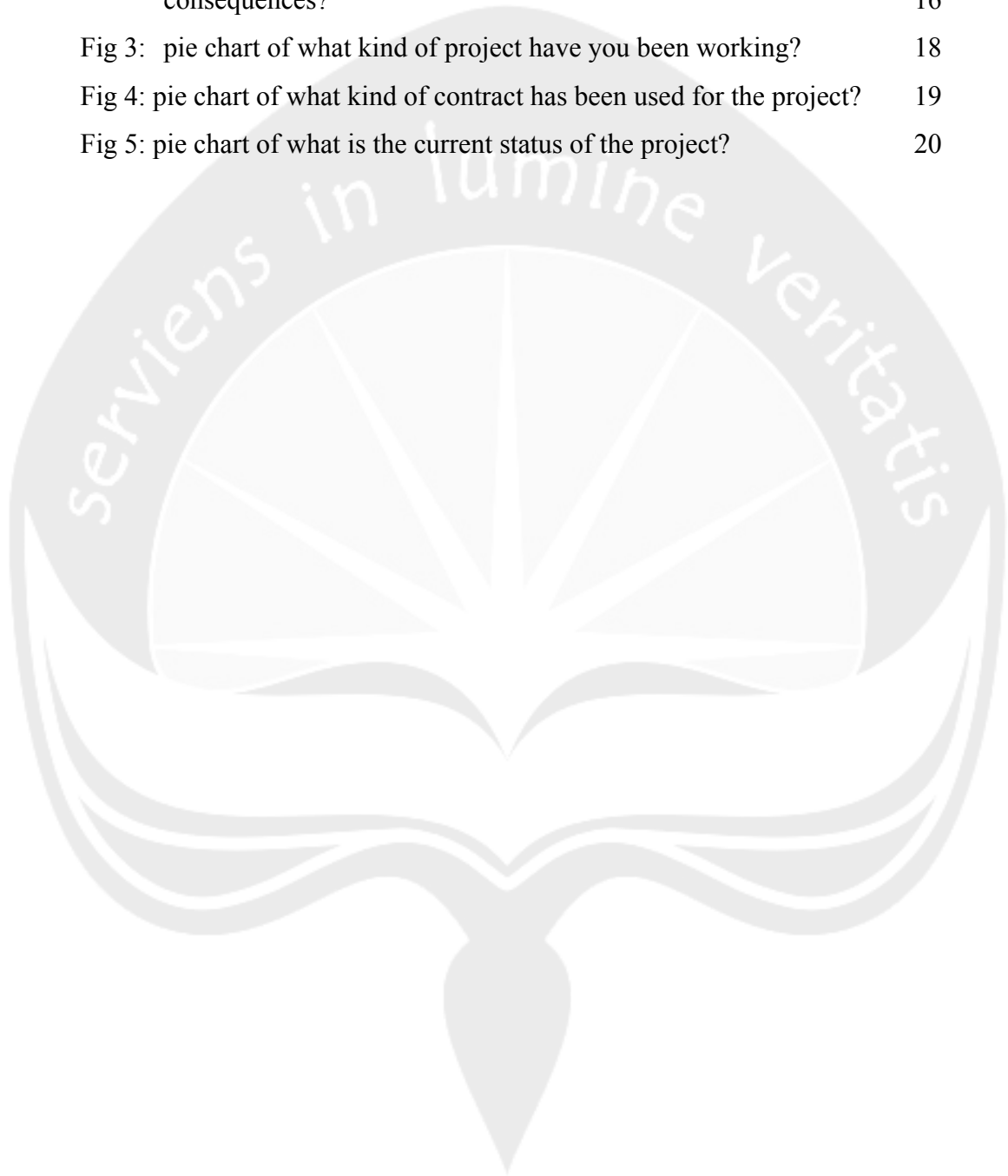


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## ABSTRACT

Globally speaking, the problem of delay in all kind of engineering construction is a very common difficulty causing several unwonted results to all participants concerned. A literature review was directed to compose a list of delay factors. The resulting list of delay factors was subjected to a questionnaire survey for quantitative confirmation and identification of the most frequent causes of delay in Yogyakarta City. The overall results indicated that the most important causes are: Shortage of Labor supply, Poor selection of subcontractors, Shortage of Technical professionals with the contractor, Slow preparation and approval of shop drawings, Shortage/Availability, Quality assurance/Control, Obtaining permits from Government, Unrealistic time estimation, Conflicts in work schedules of subcontractors, Delay in work approval. And construction delay doesn't really affect the productivity of Yogyakarta construction companies. And finally, the qualities of their product are proven that remain the same, even any delays are happening.

**Keywords:** construction management, construction delays, and factors of delays.