



PROJECT REPORT  
Building a Simple Tetris in  
Assembly Language

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09.02.0029

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Building a Simple Tetris in Assembly Language

This project report has been approved and ratified by the Dean of Faculty of Computer Science and Supervisor on January, 21<sup>th</sup> 2014

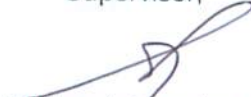
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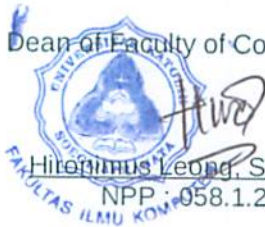
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## STATEMENT OF ORIGINALITY

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Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.

Semarang, January 21<sup>th</sup> 2014



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## ABSTRACT

Tetris is a simple game that was made in early 80s, more accurately in 1984, by Alexey Pajitnov. The game was popular and created in multiple platforms such as gamebots, PC, and many others. I am interested in building a simple tetris in assembly language. This project is a simple tetris built in assembly language, first the tetras (the game piece) to draw these tetras and the game board i used a function based on tetris' board by meredith myers to display string in a particular position using address manipulation. the tetras will move downward and fill the board, the tetras' will be cleared when they formed a line, this is done by using looping function to move the tetras downward and replacing values in address to clear the line. And a simple scoring function using "inc" placed on the clear line loop.

## **FOREWORD**

First of all, i thank God as I can complete this project titled:

**Build Simple Tetris in Assembly Language.**

In the process of making the program many people supported me, and i would like to thank these people personally:

•My parents, Subur Husodo and M.A.G Septiana Prihartanti my brothers Dylan Kurniawan, Darryl Kurniawan and my newborn sister Felicia Agni Husodo for their support, love, and pray.

•All lecturers in Faculty of Computer Science.

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Semarang, January 27<sup>th</sup> 2014



**FX. Donny Kurniawan**

09.02.0029

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