

APPROVAL AND RATIFICATION PAGE

PROJECT REPORT String matching using Q-Gram Algorithm Processing and Priority Service Based on the shortest service time in Queue System.

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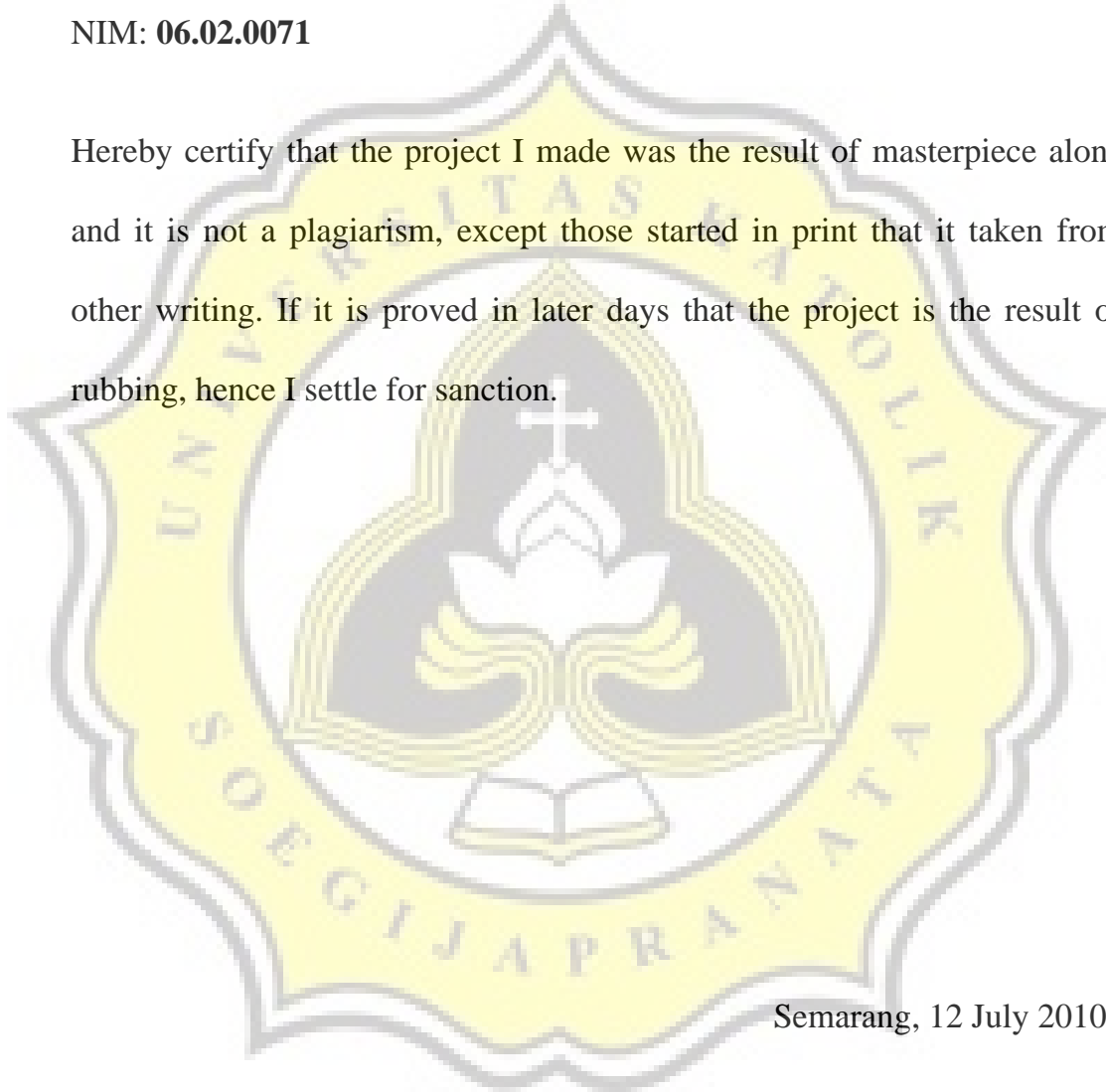
STATEMENT OF ORIGINALITY

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Hereby certify that the project I made was the result of masterpiece alone and it is not a plagiarism, except those started in print that it taken from other writing. If it is proved in later days that the project is the result of rubbing, hence I settle for sanction.



Semarang, 12 July 2010

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ABSTRACT

Queuing system has been widely used in all places the public service, sometimes systemaclylly queue was ineffective and time consuming, for it in this project I tried to simulate a bank queue using java language eith the goal of providing effective queue and facilitate the system itself.

N-Gram algorithm is used to facilitate the computer detects the type of service customers desire by typing on the keyboard, besides Priority Service Algorithm is also used to provide queue effectiveness by directing customers to the counter with the shortest total waiting time.

Keyword : *N-Gram, Queue Service, Priority Service, Queue System.*

FOREWORD

This project has given me a lot of new experience and knowledge about java especially N-Gram Algorithm and Data Structure.

Each work, the success or failure in doing this project is the thing that I gained during the four years covered in collage. I will not be able to complete the project and this report without the help of GOD and a few others.

I take this opportunity to thank :

1. Jesus Christ who came up and blessed over the years, which allow this to happen.
2. Both my Parents, who have been supportive, encouraging and providing the cost to my studies over the years.
3. Mr. Robertus Aji Setiawan, ST, MCompIT, who has become a mentor, provides ideas and solution in this project.
4. Mr. Soeyanto EA, Ir, M.Sc and Mr. Rezky “Kang Rezky” Trenggono , has given me the opportunity to learn the different things, many experience and knowledge about the computer network.
5. All my friends who have supported me directly or indirectly in working on this project, particularly in view of some speciall friends (IDeo Team, Youth of Genuk Indah Family, all Youth of GKI, Bastian “Koh Bast” Lukito, Christian “Chan” Chandra, Mario “agan Bebek-Oimar” Budi).
6. And also other parties involved in the construction and completion of this project.

The Final word, I want apologize if all this time in completing the project and there is an error report which I have done. However, I strongly expect criticism and constructive suggestions.

Semarang. 12 July 2010

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