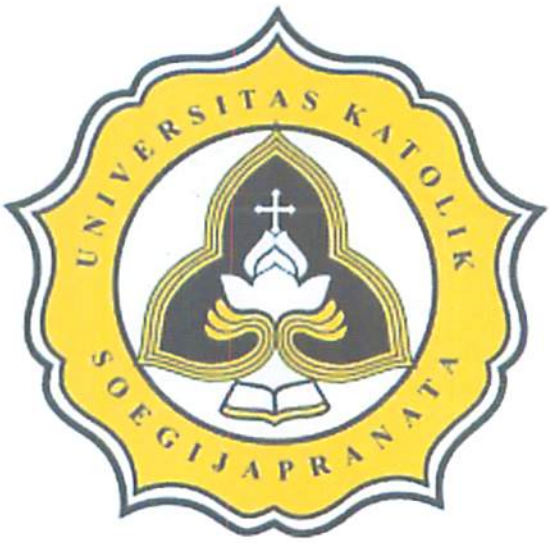

PROJECT REPORT

SCHEDULING COURSES USING PARTICLE SWARM OPTIMIZATION ALGORITHM

CHENDERA HARI MASTOPA

10.02.0014

2013/2014

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Scheduling Courses Using Particle Swarm Optimization Algorithm

by

10.02.0014 – Chendera Hari Mastopa

This project report has been approved and ratified by the Dean of Faculty of Computer Science and Supervisor on 18 July 2014

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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, 18 July 2014

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10.02.0014

ABSTRACT

Scheduling courses might seem an easy job. But, don't take any mistake, Scheduling Courses was very difficult especially at the beginning. It's because there were a lot of lecturers involved and these lecturers had different flurry. The lecturer could teach course on Monday, the other one may only could teach on Friday, or the lecturer only could teach at 9 and above.

Not only that, there were also some requirements to schedule optimization. The lecturer only can taught a lesson once a day, so that lecturer can not tough any lesson in other class or in same class again in that day, Other requirement is the maximum number of credits in the class every day which is 6 credits.

That's the reason why the application were made. So that those who made schedule courses could make schedule more easy and faster. This scheduling courses is using Particle Swarm Optimization Algorithm to give suggestions about the schedule that will be made. That makes the schedule optimization are not required to being used for scheduling.

Keyword : php programming, Scheduling Courses, timetable scheduling, particle swarm optimization algorithm

FOREWORD

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Semarang, July 18th 2014

Chendera Hari Mastopa

TABLE OF CONTENTS

TABLE OF FIGURE

TABLE OF TABLE