

**STUDENT DIGITAL ASSISTANT USING
ANDROID PLATFORM**



FINAL PROJECT REPORT

Submitted as one of Fulfillment of the Requirements

For Getting Bachelor Degree

in Department of Informatics Faculty of Communications and Informatics

Universitas Muhammadiyah Surakarta

By:

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FACULTY OF COMMUNICATION AND INFORMATICS
UNIVERSITAS MUHAMMADYAH SURAKARTA**

2014

APPROVAL
STUDENT DIGITAL ASSISTANT USING ANDROID
PLATFORM

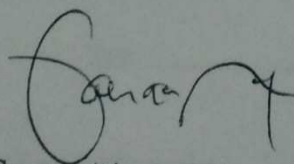
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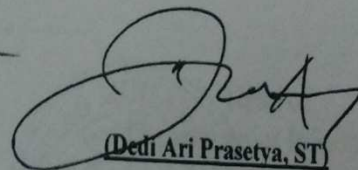
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ACCEPTANCE
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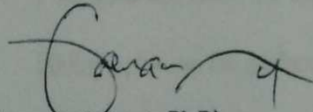
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Team of Examiner

Team of Examiner

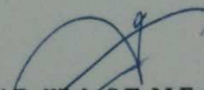
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This final project report has been acceptance as one of the requirements for
getting a bachelor's degree.

Date: Tuesday, December 18th, 2014.



Dean of
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Husni Damrin, S.T, M.T, Ph.D

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Department of Informatics

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THE CONTRIBUTION LIST

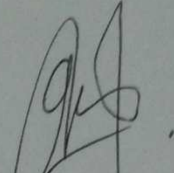
Here, the researcher declares that this work had been not submitted to obtain a bachelor's degree in any University as the final project report, and as far as the researcher concerned, there is no work or opinion which had been written or published by another person's concept of written references are referred in this report and mentioned in the bibliography.

The researcher would like to convey the contributions list as the preparation of the final project:

1. I designed and made the application with the internet access, books as in bibliography and the guidance of tutors.
2. The application program that I use to make is the Android Development Tools 22.0.
3. I use a laptop with specification; Processor Intel (R) Core (TM) i3 CPU M350 2.27GHz @ the 2.26 GHz.
4. This database of the application is SQLite.
5. The list courses for the application are got from the IT Help Desk of UMS.
6. The application program for editing the images is Adobe Photoshop CS3.

The researcher makes the statement and contribution honestly. The researcher is responsible for the contents and truth of the list above.

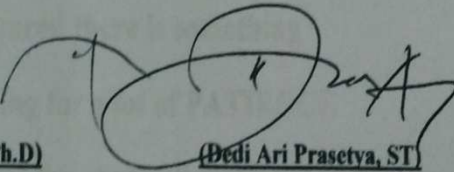
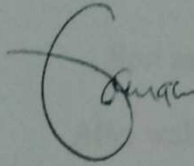
Surakarta, December 15th 2014



Yanti Ghaffaar

Advisor I

Advisor II



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NIK : 968

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MOTTO

NEVER

GIVE UP

on your

DREAMS

**Rest assured there is something
After waiting for a lot of PATIENCE
do you live that will make
Stunned until you forget the pain of a Struggle
(Imam Ali Bin Thalib AS)**

DEDICATION

As gratitude and thanks the researcher dedicates the work to:

1. Allah SWT and Muhammad SAW
2. Both of my parents who have supported, Mr. Dalyanto S. IP and Mrs. Watik for your love by expressed with continue my study to the university
3. Thank you very much for my brother, Fikih Rahman Wijayanti
For the science as guidance for me, my counselor Mr. Gunawan Ariyanto Ph.D and Mr. Dedi Ari Prasetya, ST
4. My beloved RSBI classmates Technical of Informatics 2010, big thanks to Krisna Sukmaning Palupi and Veni Alvianita
5. A friend who was destined by the God who are equally struggling, thanks for the support and advice Kirana Prima R
6. The woman who inspired me, Anisah Eko N
7. Thank you for your support of time and effort, Cahyanto Adi Wibowo
8. To all friends who have given me the soft skill by the organization of RAPMA FM 2010 (Students Research Radio) 2011, FINIC UMS 2012 (Information Communication Photography), BEM 2011, HIMATIF 2010, FOSTI 2010.

INTRODUCTION

Praise to Allah for all blessing and guidance, so the author can finish this final project with title “Student Digital Assistant using Android Platform”.

This final project is structured to fill the curriculum in Department of Informatics Engineering Universitas Muhammadiyah Surakarta, as a student in order to complete the obligations of the degree program.

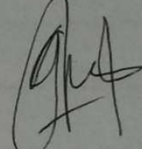
The author realized this report still far away from perfection, so the writer hopes there's a critical and opinion that could be help from some parties for future fixation. Many parties had been rendered a service so the arrangement of this last assignment could be done. For those reasons, the writer very grateful with all of lowliness towards:

1. Allah SWT with all of praises, The One Allah, Allah the owner of universe.
2. Shalawat and regards always be assigned towards our prophet Muhammad SAW and his family, also for his close friends.
3. Mr. Gunawan Ariyanto Ph.D dan Mr. Dedi Ari Prasetya, ST as my mentor who always gave me direction and opinion in this last assignment's arrangement.
4. Mr. Husni Thamrin, S.T, M.T., Ph.D. "Dean" of Communication and Informatics Departement.
5. Mr. Dr. Heru Supriyono, M.Sc. as a leader from Study Programme "Informatics Engineering".
6. Mr. and Mrs. Teachers whose had been taught and shared their knowledges to the writer all this time.

7. Friends and the other parties whose helped me out in this arrangement of last assignment

The writer hopes its might be useful for people, especially for the writer and the readers generally. Hopes could give some benefits in order to knowledge enrichment for the readers.

Surakarta, 15th on December
2014



Authors.

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ABSTRACT

Students need facilities to support their academic activities and efficiently, using an advanced technology that can process information. The precision, accuracy, and speed is something that is needed for students to manage their studies. Therefore, this needs to be balanced with the availability of increasingly innovative technology. Android technology has recorded as the fastest growing operating system in the mobile world. Many mobile users have switched to android recently. Indirectly, almost all students are Smartphone users with android operating system. Therefore, the authors chose Android as the subject of this study.

Therefore, students need an alternative media, which is an android application that can be used. The method used in the making of this application is the equipment analysis, data collection application, design building applications, and application testing. This application is created by using a system that supports the application of the Eclipse IDE and Android SDK. Database used is SQLite.

It is considered more effective and efficient than be use of the application manually. For example you can save time, materials, compare to the usage of paper. As the results of research, the application can be used can plan their studies in order to pass by the target.

Keyword: *ADT, Android, Eclipse, SQLite.*