

UNIVERSITI TEKNOLOGI MARA

LIBRARY INFORMATION SYSTEM (LIS)

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JANUARY 2014

ACKNOWLEDGEMENT

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. Firstly, my special thanks go to my supervisor, Encik Shamsudin Md Sarif for all of his kindness, fullest commitment, knowledge, advices, utmost cooperation, an indefatigable assistance in most generous time and professional guidance as a supervisor for my dissertation and consideration to me in order to conduct and completing of this research.

I would like to express my most sincere appreciation to my coordinators, Mdm. Nor Diana Ahmad who have guided and supported me throughout this study.

My special thanks and appreciation goes to my beloved parents Mohd Zahari Bin Saad and _____ for their support and encouragement as well as library teacher Mr. Azrin Bin Umat, and librarian form SMK Convent Bukit Nanas for all information, giving me new experience in communicate with real user and the commitment during this research.

Last but not least, thank you to all my friends whom helped me directly or indirectly in finishing this research for attention to detail, genuine suggestions, and experience with the research processes. Only ALLAH can reciprocate towards their kindness. Thank you.

ABSTRACT

The title of this research is Library Information System. The main purpose of Library Information System is to help SMK Convent Bukit Nanas Library in their daily activities. Currently, SMK Convent Bukit Nanas's library, using a manual system to record the process of borrows and returns book, during. The problems arise when during the 30 minutes of recess time, the number of students borrow and return book increase and the library don't have enough librarians to serve many students in that short time. In this Library Information System, the researcher using an agile method to develop the system, it is because agile method is more suitable to this system that needs involvement of user from the start until end of the project. Other than that it saves cost and suitable for non complex system. During this research an interview has been done by the researcher with librarian teacher, Mr. Azrin and librarian to get user requirement and getting more understanding about the situation. After that all the requirement is interpret to a diagram such as use case diagram, to show how user will interact with the system, flowchart to show the flow of the system and how it will work, lastly entity relational diagram is create to show where each data to be restored. Beside that using the requirement and the researcher has design the interface for Library Information System. During the research and developing system future work recommended by the researcher is to do barcode scanner so that librarian don't have to enter student id and book id during borrow and return process.

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CHAPTER II: LITERATURE RIVIEW

CHAPTER I

INTRODUCTION

1.1 Background of Study

Library is one of the most important places in student daily life. Student usually loves go to library for studying because of the quiet and peaceful environment. Besides that, in the library student can read book for free and use the book for research to gain knowledge. Librarian is people who work in the library, and they play an important role to make sure the library daily activities become smooth. Sekolah Menengah Kebangsaan (SMK) Convent Bukit Nanas's Library is lead by the librarian teacher, Mr. Azrin Bin Umat. SMK Convent Bukit Nanas's library has 30 librarians and more than 2000 students. Every day, 5 librarians are on duty to handle the library, 2 librarian are assigned in arranging books on the shelves, 1 librarian to monitor student in the library to avoid noise, and another 2 librarian will handle the borrow and return book process. With these 2 librarians, they cannot serve many students at one time by using a manual system. So, the process of borrowing and returning become slow and wasting time.

The development of library information system (LIS) is to ease the librarian in handling the process of borrowing and return books by changing the manual system into the stand alone system. This system helps to store data as record and improve the record system of borrow and return. Other than that, librarian can easily register new student and new book details into the system. Besides that, by using LIS librarian teacher are allowed to check the history list of books borrowed by a student and issued a report in a diagram or chart form.