CIVIL REGISTRATION INFORMATION SYSTEM

AT BAIYER DISTRICT ADMINISTRATION OFFICE

THESIS

A final thesis submitted to the Computer University Indonesia in partial fulfillment of the requirement for Bachelors Degree in Information System Faculty of Computer Science and Engineering

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MAJORING COMPUTER INFORMATION SYSTEM

FACULTY OF COMPUTER SCEIENCE AND ENGINEERING

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LEGALIZATION FORM

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This thesis has been approved and legalized at Bandung on:

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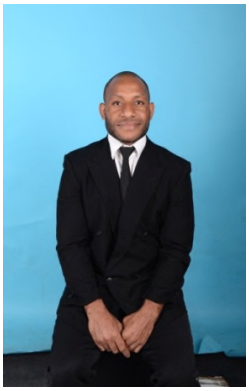
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I hereby declare that the work presented herein is original work done by me and has not been published or submitted elsewhere for the requirement of a degree programme. Any literature date or work done by other and cited within this thesis has given due acknowledgement and listed in the reference section.

Bandung, 13 August 2015

Stamp

JOHN RAEM

10511664

Sayings and Bible Quotes

1. **Mathew 6:33**

   But seek first his kingdom and his righteousness, and all these things will be given to you as well.

2. **Philippians 3:14**

   I can do everything through him who gives me strength

3. **Proverbs 28:19**

   He who works his land will have abundant food, but the one who chases fantasies will have his fill of poverty.

ABSTRACT

The aim of this thesis is to develop a database Computerized Information System at Baiyer District Administration Office in Western Highlands Province, Papua New Guinea for civil registration.

These computerized information systems will be used for registering citizens, marriages, births, and deaths take place in Baiyer District. As a result this computerized system will give the final results or final products such as creating citizen IDs, marriage certificates, birth certificates, death certificates, and yearly and monthly demographic reports for the district. It will also keep save the citizen data more safely than the current system which sometimes leads to misplacement of citizen data, citizen data search takes too long, inefficient service rendered to citizens.

The research methodology used to do research and develop the computerized information system is qualititative method which involves the use of qualititative data, such as interviews, documents, and participant observation data, to understand and explain the social phenomena.

Key Words: Civil registration, citizen, information system, computerized information system, demographic report.

ABSTRAK

Tujuan dari skripsi ini adalah untuk mengembangkan sebuah database Komputerisasi Sistem Informasi di Kantor Administrasi Daerah Baiyer di Provinsi Western Highland, Papua New Guinea untuk pendaftaran sipil.

Komputerisasi sistem informasi ini akan digunakan untuk mendaftar kewarganegaraan, pernikahan, kelahiran, dan kematian yang bertempat di Daerah Baiyer. Hasil dari sistem komputerisasi ini akan memberikan hasil akhir atau produksi akhir seperti membuat identitas penduduk, sertifikat pernikahan, sertifikat kelahiran, sertifikat kematian, dan tahunan dan bulanan laporan demografi untuk warga Negara. Ini juga akan menyimpan data kependudukan menjadi lebih aman daripada sistem yang ada saat ini yang dimana terkadang terjadi penempatan yang salah mengenai data kependudukan, mencari data kependudukan membutuhkan waktu yang lama, servis yang tidak efesien untuk penduduk.

Metodologi penelitian yang digunakan untuk penelitian dan mengembangkan komputerisasi sistem informasi adalah metode kualitatif yang menggunakan kualitatif data seperti wawancara, arsip-arsip, dan data observasi dari partisipan, untuk mengerti dan menjelaskan fenomena yang terjadi di sosial setempat.

Kata Kunci: *Pendaftaran Sipil, warga Negara, sistem informasi, komputerisasi sistem informasi, laporan demografi.*

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Writer

John Raem

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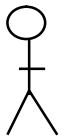
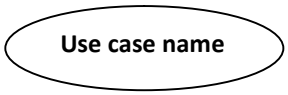
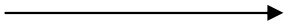
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LISTS OF SYMBOLS

1. Symbol of Use Case Diagram

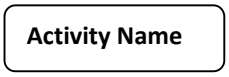
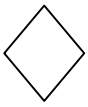
Table 1 Symbol Use Case Diagram
(Source: Object Orientation and Programming [5, p.215])

Symbol	Name	Explanation
 **name of actor**	Actor	Something that interacts with the system that is developed.
 **Use case name**	Use Case	The Highest level from functional from property system
	Association	The Relation between the actor and use case as an association.
<< **include** >>	Include	The scope enable to use case to use functionalisation from use case
 ***<<extend>>***	Extends	Use case relate to add where to use case can stand up without another use case

2. Symbol of Activity Diagram

Table 2 Symbol Activity Diagram

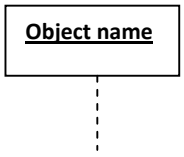
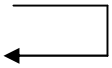
(Source: Object Orientation and Programming [5, p.217])

Symbol	Name	Explanation
	Start State	Show where the work flow begins.
	End State	Show where the work flow ends.
	Activity	Adding state for an object
	Decision	Shows how to or more steps in work flows
	Control Flow	Add transitions from one activity to another activity.

3. Symbol of Sequence Diagram

Table 3 Symbol of Sequence Diagram

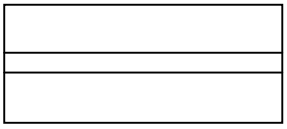
(Source: Object Orientation and Designing [5,p.220])

Symbol	Name	Explanation
	Object	Add a new object on the diagram
	Object Message	Describe the message between two objects
	Message to Set	Describe the message towards itself

4. Symbol of Class Diagram

Table 4 Symbol Class Diagram

(Source: Object Orientation and Designing [5,p.223])

Symbol	Name	Explanation
	Class	Add new class on the diagram
	Association	Describe the association relations.

5. Symbol of Object Diagram

Table 5 Symbol of Object Diagram

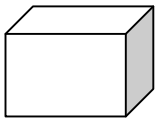
(Source: Object Orientation and Designing [5, p.225])

Symbol	Name	Explanation
	Object	Instance from a class
———————	Association	Describe the association relations

6. Symbol of Deployment Diagram

Table 6 Symbol of Deployment Diagram

(Source: Object Orientation and Designing [5, p.230])

Symbol	Name	Explanation
	Processor	The diagram illustrate the processor , the processor is any computer/devices which have the ability of processing
	Dependency	Adding a link on the diagram

List of Abbreviations

BD: Baiyer District

WHP: Western Highlands Province

PNG: Papua New Guinea

MBLE: Mul Baiyer Lumusa Electorate

VCW: Village Council Ward

BDA: Baiyer District Administration

DA: District Administrator

GUI: Graphic User Interface

BDAO: Baiyer District Administration Office

MC: Marriage Certification

BC: Birth Certification

DC: Death Certification

PHP: Hypertext Preprocessor

HTML: Hypertext Markup Language

RDBMS: Relational Database Management System

GPL: General Public License

SQL: Structured Query Language

DDL: Data Definition Language

DML: Data Manipulation Language

LAN: Local Area Network

MAN: Metropolitan Area Network

GAN: Global Area Network

AP: Aid Posts

CP: Council President

DS: District Secretary

WC: Ward Council

CC: County Council

VE: Village Elders

UML: Unified Modeling Language