

CHAPTER I

INTRODUCTION

I.1. Background

The role of information technology (IT) in running the business process of a company in the information age nowadays were urgently needed. Information technology is not just limited to computer technology (hardware and software) that will be used to process and store information, but also includes communications technology to send information (Martin, 1999). Currently the IT architecture is something that is needed in a business. This is because the IT architecture designed all business processes in a company that enables organizations to plan and manage IT investments. In addition, the IT architecture can produce an IT master plan formed as blueprint of built system, implemented and maintained used to explain and demonstrate how the IT organization and information management elements work together for efficiency in supporting the goals of the organization (Dwi Cahyono, 2012).

The government has also sees opportunities to increase their IT investments and deliver additional value in construction (Mechling, 1999). In 2004, the Indonesian government issued Laws No. 25 of the National Development Planning System related to the Strategic Plan (DPPK, 2010). It encourages all levels of local governments to participate in building the nation through IT based services, including Bandung regency government.

Bandung regency government has 31 working units (SKPD), one is on Department of Revenue and Financial Management (DPPK). DPPK is divided into five divisions: 1st Revenue Division, 2nd Revenue Division, and Budgeting Division, Treasury Division, Accounting Division and do formal official duty. In the process, DPPK implementing IT to improve performance of each DPPK division, namely:

1. Information system used by internal DPPK is Sistem Informasi Manajemen Daerah (SIMDA), namely:
 - a. SIMDA Keuangan is integrated local area financial management, including Treasury, Accounting, and Budgeting function.
 - b. SIMDA Pendapatan as tools taxes optimization/ local area retribution and help local government reports revenue and receivables management as document

supporting local government financial report that reliable. In DPPK, Revenue SIMDA used by 1st Revenue Function.

2. Sistem Informasi Manajemen Objek Pajak (SISMIOP) used to managing land and building tax (PBB) online or connected with the public service. In DPPK, SISMIOP used by the 2nd Revenue Function.

To be able to see the mapping of IT that has been used associated with every major process of each function in DPPK are shown in Table I.1. Table I.1 will also explain the details of IT status that has been running, whether it has been integrated with each other or running alone.

Table I. 1. Information Technology status in DPPK

Information Technology		DIVISION					Status
		1 st Revenue	2 nd Revenue	Treasury	Accounting	Budget	
Finance SIMDA	Budget Function					V	Integrated
	Bookkeeping Function				v		Integrated
	Administrative Function			V			Integrated
Revenue SIMDA	Revenue Function	V	V				Unintegrated
SISMIOP	Online PBB Function		V				Unintegrated

Table I. 1 above, shows that Revenue SIMDA and SISMIOP had been integrated. When viewed as a whole of the functions that exist in DPPK, DPPK has implemented IT. However, the process of public services and the external environment of DPPK is not maximizing the use of IT examined from general fulfilment indicating status of the IT used on any function in DPPK, we can see detail every process on one e functions in DPPK namely the revenue function II. Table I.2 shows the relationship between processes running on the revenue function II with IT that has been used.

Table I. 2. Use of IT based on process managed by 2nd Revenue Function

2nd Revenue Division			
Process	SISMIOP/ BPHTB Online		NONE
	Check Payment	Status Payment	
Enrollment New PBB Object			v
Collect Data Object and Subject of the Tax			v
PBB Assessment			v
DBKB Arrangement			v
Publish SPPT			v
PBB Object and Subject Mutation			v
Publish the Duplicate of SPPT/ SKPD PBB			v
PBB Correction			v
Determination Back Maturity			v
Refund Overpaid PBB			v
PBB Restitution			v
Publish SKPD			v
PBB Payment			v
BPHTB Payment			v
Reduction and Cancellation PBB			v
Reduction PBB			v
Objection of the Tax			v

In Table I. 2 can be seen, no process using IT services. Features of SISMIOP just for check the amount payment and check the status payment. Majority of the process still manual input. While the PBB and BPHTB have many object. Because of the process still manual that make services was so long process.

Based on problem above and from Table I.1 and Table I.2, information system strategic planning are necessary with helpful method in integrating each information system and overcome problems happened. The methods commonly said enterprise architecture (EA), EA based on harmonize consideration with strategic company target, integrating business process, facilitating and managing any aspect change in organization. In order to well implementing enterprise system, need a basis that called framework. There is some framework can be used to design enterprise system namely: Zachman, FEAF, and TOGAF as presented by Institute for Enterprise Architecture Development (IFEAD). From any existing network, TOGAF meet a demand determined in assessing enterprise architecture framework. Thus, TOGAF is chosen as it meet the criteria, systematic, and completed in designing IT system in Enterprise

Architecture. TOGAF is framework that giving comprehensive approach to design, planning, implementing and managing EA (Wartika, 2011).

I.2. Problem Statement

Based on background of problem above, problem statement in this study is how designing information system strategic planning based on TOGAF ADM framework on 2nd revenue function DPPK Bandung Regency?

I.3. Research Objective

Purposes of this research are:

1. Creating an information system strategic planning that fit the 2nd revenue function in DPPK using TOGAF ADM framework.
2. Activity and information system solution to assist management options PBB-P2 and BPHTB in DPPK.

I.4. Problem Scope

Based on problem statement, the problem scope of this research are:

1. This research only done at level of analysis and design, not include implementation level.
2. This research use TOGAF ADM framework until stage E that is Opportunities and Solutions.
3. This research result is blueprint from Business Architecture, Data Architecture, Application Architecture and Technology Architecture.

I.5. Research Beneficial

The research beneficial of this research are:

1. Assist the Dinas Pendapatan dan Pengelolaan Keuangan in Bandung regency government in building an information systems planning strategic in 2nd revenue function according with needs.
2. Provide a blueprint overview as a guide in developing the business and information systems on 2nd revenue function in the Dinas Pendapatan dan Pengelolaan Keuangan Bandung regency government and give additional value for the Dinas Pendapatan dan Pengelolaan Keuangan.