INFORMATION SYSTEM OF FINANCIAL MANAGEMENT IN PESONA ANGGRAINI HOTEL

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ABSTRACT

Hotel Pesona Anggraini are the property of the Directorate General of the Ministry of Finance submitted to the Employee Welfare Directorate General of Budget Ministry of Finance "Anggraini Bakti". Hotel Pesona Anggraini originally only for the sake of the office, but since obtaining Tourism Business License No: .556.2 / 019 971 / ITUP.DIP / 1993 Date of July 1, 1993 Hotel Pesona Anggraini not only intended specifically for the official but also accept the public or consumers living outside agency. At this time there is a problem that is often experienced by Hotel Pesona Anggraini is an imbalance between the realization of activities with a budget plan (RAB). other than that, in budget oversight costs deficiency or excess in the period of having to adjust and do a search first on the required data.

Methods in building financial information systems are used and structured method for forecasting using siklis, as well as management functions PDCA (Plan, Do, Check, Act). Based on the method of forecasting siklis, that the results of this forecasting is as a reference in determining budget plan, not to base decisions determining a budget plan that will be budgeted.

Based on the test results, it can be concluded that the system has been able to assist in the SPV Accounting predicted budget plan (RAB) to be issued next period, Accounting SPV and can assist in controlling the activity and the realization of the budget plan (RAB) have been made.

Kata kunci : Information System Of Financial Management, Hotel, PDCA, Forecasting, Supervision

1. INTRODUCTION

1.1 Background

Hotel is one type of accommodation that use part or all parts for an accommodation, a provider of food and beverage and other services for the general public commercially run (Ministerial Decree No. Parpostel 94 Km / HK103 / MPPT 1987). Anggraini Pesona Hotel is a place designed specifically for business and leisure, Hotel located in Bogor peak region is a hotel that combines the concept of family and Friendly. Based on the interview with Mr. Mulyadi as Accounting SPV in Pesona Anggraini Hotel, now the process of determining the budget plan (RAB) at Pesona anggraini Hotel is done by holding internal meetings between the manager and all the head part, RAB made to be the reference implementation of the hotel should be achieved in one period. However, there is an imbalance between actual realization of activities with a budget plan (RAB), especially in the realization of activities with a budget plan room, the cost of food & beverage and laundry costs. According to Mrs. Nurafni as Hotel Manager for the balance between the percentage of realization of activities with a budget plan (RAB) to be achieved is ≤10%, while the percentage is happening now between the realization of activities with a budget plan exceed 10% as in the realization of the activities of the cost of food & beverage has a shortage fee of 17% of the budget is already planned. Excess or deficiency of his budget plan could harm anggraini Pesona Hotel. In addition, the documentation has not been arranged and stored neatly affected when Accounting SPV to supervise the realization of activities with a budget plan that has been made, particularly in budget oversight costs deficiency or excess in the period of having to adjust and do a search first on the required data.

With the discovery of problems in Pesona anggraini Hotel, these problems can be overcome by using a management information system (MIS) is a collection of inter-related subsystems, gather together and form a unity. And for budget forecasting system using Siklis method is movement around an average value of time series variables, above or below the long term trend. From the Siklisal movement gained some high point (peak) and point terencah (valley). This repetitive pattern takes place in a certain time. As well as management functions using PDCA (Plan, Do, Check, Act). PDCA (Plan, Do, Check, Act) is a method for continuous process improvement. PDCA Cycle or Cycle 'plan, do, check, follow up' is a four-step

problem-solving process that is commonly used in quality control.

Based on the above issues, the Pesona anggraini Hotel requires an application to be able to handle the problems that are often experienced. The application is "Financial Management Information System in Pesona Anggraini Hotel".

Goal

Objectives to be achieved in the Financial Budget Management Information System Web-Based Hotel Pesona Anggraini is:

1. Assist Accounting SPV Pesona anggraini Hotel in predicting budget plan (RAB) to be issued next period.
2. Assist Accounting SPV Pesona Anggraini Hotel in controlling the realization of activities and budget plan (RAB) have been made.

2. CONTENTS OF RESEARCH

2.1 Analysis Of The Running Procedures

Analysis of the running procedures aims to study and evaluate the procedure that is currently running in Pesona anggraini. Analysis of the running system is described in the form of Bizagi BPMN use applications. Analysis of the running procedures include procedures, procedure rooms cost recap recap of Laundry, income and expenditure income and expenditure recap procedures Food & Baverage recapitulation procedures, operational costs, the annual report and the RAB.

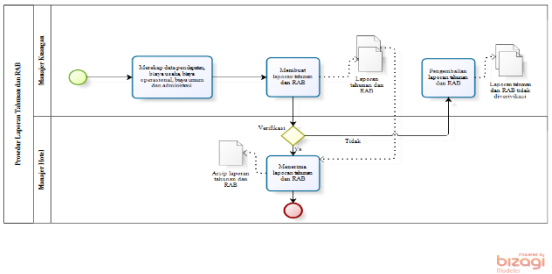
The annual financial statements and procedure of RAB

Financial reporting procedures annually and RAB is an activity in which Accoounting SPV did a recap of monthly financial data from any existing section manager at Pesona Hotels anggraini annual report and make Wed, as for the flow of procedures annual report and RAB are as follows:

1. Accoounting SPV recap data revenues, costs, operational costs, business costs and public administration to provid annual financial reports.
2. The annual financial reports are used as a reference to make a RAB.
3. A Annual financial statements and the RAB made a duplicate of 2 to give to the Hotel Manager to be verified.
4. After the verification, then the Hotel Manager annual report and RAB the first sheet archived by the Manager of the Hotel and the annual financial report and the second sheet is archived by the RAB Accoounting SPV.
5. Then Accoounting SPV realization of the planned budget to each manager section.

More details, BPMN diagrams of procedures annual report and WED in Pesona anggraini Hotel can be seen in Figure 1.

Figure 1. Procedures Financial Statement and Budget Annually



2.2 Analysis of PDCA (Plan, Do, Check, Act)

Analysis of PDCA (Plan, Do, Check, Act) is a follow-up of the analysis of a system that is running. This section will be analyzed how a financial budget procedures will be implemented in the financial management information system in the Pesona of the Hotel built Anggraini. Analysis of PDCA process covers the planning, calculationand manufacturing cost budget plan (RAB), as for the PDCA cycle to be built on this system can be seen in Figure 2.

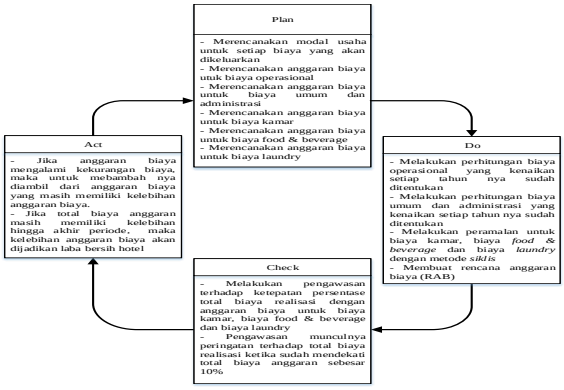


Figure 2. PDCA cycle

2.2.1 Planning (Plan)

The planning is done in financial activities in Hotel anggraini Pesona is setting up venture capital gained from income the year before him and preparing reports on the realization of the cost of the earlier period which will be a reference in determining the budget plan costs, activities performed in making the plan of the financial budget of which determines the increase in operational costs, determine the increase in the General cost and administration, predicted the cost of the room, predicted the cost of food and beverage cost forecasting & laundry.

1. Planning the venture capital to be used for the cost of the venture hotel hotel income sourced from the period a year earlier. The following example reports the income of the hotel by 2014 which is used as a business capital cost of hotels by 2015.

Table 1. Table Revenue Hotel 2015

KETERANGAN	REALISASI 2014
PENDAPATAN	
Pendapatan Kamar	3,858,458,000
Pendapatan Food & Beverage	1,977,855,500
Pendapatan Laundry	70,886,000
Pendapatan Lainnya	193,627,800
Total Pendapatan	**6,100,827,300**

2. Based on the results of interviews with mother Nurafni as Manager of the Hotel,the hotel cost budget planning for operational costs by determining the rise in operational costs that are already specified for each year a budget increase by 5%. The following example reports on the realization of the operational costs of 2015 on table 2.

Table 2. Realization Reports 2015 Operating Costs

KETERANGAN	REALISASI 2014	REALISASI 2015	ANGGARAN 2015
BIAYA OPERASIONAL			
Biaya Gaji Karywan	1,185,752,000	1,226,534,000	1,245,039,500
Biaya Makan Karyawan	177,856,000	180,538,000	186,749,000
Biaya Kesehatan	90,518,000	94,432,000	95,044,000
Biaya THR	99,895,000	107,421,000	104,889,750
Biaya Seragam	7,578,000	8,469,000	7,957,000
Total Biaya Operasional	**1,561,599,000**	**1,617,394,000**	**1,639,679,250**

3. Based on the results of interviews with mother Nurafni as Manager of the Hotel, planning the budget cost for the public and administration costs by determining the General and administrative cost increases that are already defined for the budget increase annually by 10%. The following example reports the realisation of General and administration costs by 2015 on table 3.

Table 3. Realization Report 2015 General and Administrative Costs

KETERANGAN	REALISASI 2014	REALISASI 2015	ANGGARAN 2015
BIAYA UMUM DAN ADMINISTRASI			
Biaya Alat Tulis Kantor	19,593,500	21,834,600	21,552,800
Biaya Telepone & Internet	46,579,700	49,469,400	51,237,500
Biaya Listrik dan PAM	188,256,000	192,151,600	207,081,500
Biaya Pemeliharaan & Perbaikan	62,418,000	67,938,900	68,659,800
Biaya Materai & Benda Pos	5,062,500	4,843,500	5,568,750
Biaya Perijinan	9,442,000	10,822,300	10,386,000
Biaya Transport	41,893,500	40,293,400	46,082,800
Biaya Sumbangan	5,584,800	6,975,700	6,143,200
Biaya Barang Cetakkkan dan Foto copy	8,477,300	8,087,800	9,325,000
Biaya Entertainment	50,221,000	47,821,900	55,243,000
Biaya Gasoline	40,559,000	42,329,700	44,615,000
Biaya Penyusutan Bangunan	15,728,500	17,318,400	17,301,500
Biaya Penyusutan Inventaris	134,266,000	137,479,200	147,692,500
Biaya Perlengkapan & Peralatan	177,163,800	181,707,700	194,880,000
Biaya Iuran dan Restribusi	28,585,000	30,884,000	31,443,500
Biaya Majalah dan Koran	8,422,500	8,532,800	9,264,750
Biaya Umum Lainnya	122,631,000	126,221,400	134,894,000
Biaya Pajak	780,580,000	880,890,100	858,638,000
Total Biaya Umum dan Administrasi	**1,745,464,100**	**1,875,602,400**	**1,920,009,600**

4. Planning of doing forecasting at the cost of the room by using a siklis method. The following example reports the realisation of 2015 the cost of the room can be seen in table 4.

Table 4. Realization Report 2015 Cost Room

KETERANGAN	REALISASI 2014	REALISASI 2015	ANGGARAN 2015
Biaya Kamar	726,545,000	781,465,000	698,564,500

5. Planning of doing forecasting at the cost of food beverage & using siklis. The following report is the realisation of 2015 costs food & beverage can be seen in table 5.

Table 5. Realization Report 2015 Cost of *Food & Beverage*

KETERANGAN	REALISASI 2014	REALISASI 2015	ANGGARAN 2015
Biaya Food & Beverage	637,216,000	680,582,000	721,785,000

6. Planning of doing forecasting on laundry costs by using a siklis method. The following report is the realisation of 2015 the cost of laundry can be seen in table 6.

Table 6. Realization Report 2015 Cost of *laundry*

KETERANGAN	REALISASI 2014	REALISASI 2015	ANGGARAN 2015
Biaya Laundry	22,384,000	27,464,000	20,485,500

2.2.2 Implementation (Do)

Implementation (Do) where the process manager of the hotel told accounting SPV to do the manufacturing cost budget plan (RAB) in accordance with a plan that is already in the specified on previous planning. Making RAB

obtained from the results of calculation of operational costs, General and administrative expense calculation, forecasting the cost of the room, the cost of food and beverage costs & laundry. The following is the process of data processing of the operating costs, the cost of public administration, and forecasting the cost of the room, the cost of food and beverage costs & laundry for the year 2016 are:

1. Calculate the operating costs of budget plan 2016

To determine the operating cost budget plan 2016 is with how to view business rules already defined by the hotel are:

Budgetary operating costs = realization of operational costs by 2015 * 5%

Table 7. Calculation of Operating Cost Budget Plan

Operating costs	Realization 2015	Budget 2016	increase	percentage Increase
Cost of Employee Salaries	1,226,534,000	1,287,861,000	61,327,000	5%
Cost of Eating Employees	180,538,000	189,565,000	9,027,000	5%
Health costs	94,432,000	99,153,500	4,721,500	5%
Cost THR	107,421,000	112,792,000	5,371,000	5%
Cost Uniforms	8,469,000	8,892,500	423.500	5%
Total Operating Costs	**1,617,394,000**	**1,698,264,000**	**80,870,000**	**5%**

2. Calculate the budget plan public and administration costs 2016

To determine the plan of General and administrative expenses budget 2016 is withhow to view business rules already defined by the hotel are:

General and administrative expense budget = General and administration cost realization by 2015 * 10%

Table 8. A calculated RencanaAnggaran General and Administrative Costs

General and Administrative Costs	Realization 2015	Budget 2016	increase	percentage Increase
Fees Office Stationery	21,834,6 00	24,018,000	2,183,400	10%
Costs Telephone & Internet	49,469,4 00	54,416,500	4,947,100	10%
Electricity costs and PAM	192,151,600	211,366,800	19,215,200	10%
Maintenance & Repair Costs	67,938,9 00	74,732,800	6,793,900	10%
Cost Objects Stamp & Post	4,843,5 00	5,327,900	484.400	10%
Permit cost	10,822,3 00	11,904,600	1,082,300	10%
Transport fee	40,293,4 00	44,322,700	4,029,300	10%
Cost contribution	6,975,7 00	7,673,300	697.600	10%
Cost of Goods and prints of Copy	8,087,8 00	8,896,600	808.800	10%
Entertainment costs	47,821,9 00	52,604,100	4,782,200	10%
Cost of Gasoline	42,329,7 00	46,562,700	4,233,000	10%
Cost Depreciation Buildings	17,318,400	19,050,200	1,731,800	10%
Cost Depreciation Inventory	137,479,200	151,227,100	13,747,900	10%
Cost Supplies & Equipment	181,707,700	199,878,500	18,170,800	10%
Dues and fees Retributions	30,884,0 00	33,972,400	3,088,400	10%
Cost Magazines and Newspapers	8,532,8 00	9,386,000	853.200	10%
Other General Fees	126,221,400	138,843,000	12,621,600	10%
Tax costs	880,890,100	968,979,000	88,088,900	10%
Total General and Administrative Costs	**1,875,602,400**	**2,063,162,200**	**187,559,800**	**10%**

3. Calculate the cost budget forecasting room 2016 with siklis method is as follows:

Initialization variable :

Y = P

Y' = R

Mathematical equations that are used to record with this siklis pattern is :

$$R = a + b \sin \frac{2\pi t}{n} + c \cos \frac{2\pi t}{n} \quad (1)$$

with a, b and c is a constant which is derived from the following equation:

$$a = \frac{\sum P}{n} \quad (2)$$

$$b = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (3)$$

$$c = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (4)$$

The results of calculation of the forecast cost of the room in January 2016, this research can be seen in table 9.

Table 9. Room Cost Calculation Results Forecasting January

Month	realization 2015	Forecasting Results 2016 (Siklis)
January	64,335,000	64,102,235

a = the amount of data during a year divided 12

781,465,000 / 12 = 65,122,083

b = 2 multiplied by the number of P * sin (2 * π * t/12) during a year divided 12

2 * -19,291,912 / 12 = -3,215,318

c = 2 multiplied by the number of P * cos (2 * π * t/12) during a year divided 12

2 * 3,997,896 / 12 = 666,316

Forecasting Results (R)

R(13) =65,122,083+ -3,215,318 sin 2π(13)/12 + 666,316 cos 2π(13)/12

= 64,102,235

The results of the counting errors of forecasting using MAPE can be seen in table 10.

Table 10. Forecasting Error Calculation MAPE

Month	realization 2015	Forecasting Results 2016 (Siklis)	Forecasting error (MAPE)
Januari	64,335,000	64,102,235	2,120

The calculation uses the forecasting error MAPE

'APE(1) = ((P(1)-R(1))/P(1))*100 = 0,3618
MAPE = (jumlah $P_{(1-12)}$)/12
= (25,4420/12)= 2,120

4. Calculate the cost budget forecasting food & beverage 2016 with si klis method is as follows:
   Initialization variable :
   Y = P
   Y' = R
   Mathematical equations that are used to record with this siklis pattern is :

$$R = a + b \sin \frac{2\pi t}{n} + c \cos \frac{2\pi t}{n} \quad (1)$$

with a, b and c is a constant which is derived from the following equation:

$$a = \frac{\sum P}{n} \quad (2)$$

$$b = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (3)$$

$$c = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (4)$$

The results of calculation of the forecast costs of food beverage & January 2016 this research can be seen in the table 11.

Table 11. Cost Calculation Results

Forecasting *Food & Beverage* January

Month	realization 2015	Forecasting Results 2016 (Siklis)
January	56,334,000	55,812,353

a = the amount of data during a year divided 12
680,582,000 / 12 = 56,715,167
b = 2 multiplied by the number of P * sin (2 * π * t/12) during a year divided 12
2 * -13,470,668 / 12 = -2,245,111
c = 2 multiplied by the number of P * cos (2 * π * t/12) during a year divided 12
2 * 1,472,962 / 12 = 245,493.67

Forecasting Results (R)

R(13) = 56,715,167+ -2,245,111 sin 2π(13)/12 + 245,493.67 cos 2π(13)/12'

= 55,812,353

The results of the counting errors of forecasting using MAPE can be seen in table 12.

Table 12. Calculation Errors Forecasting MAPE

Month	realization 2015	Forecasting Results 2016 (Siklis)	Upset ahan Forecasting (MAPE)
January	56,334,000	55,812,353	2,110

The calculation uses the forecasting error MAPE

APE(1) = ((P(1)-R(1))/P(1))*100 = 0,9260
MAPE = (jumlah $P_{(1-12)}$)/12
= (25,3187/12)= 2,110

5. Calculate the cost budget forecasting laundry 2016 with siklis method is as follows:
   Initialization variable :
   Y = P
   Y' = R
   Mathematical equations that are used to record with this siklis pattern is :

$$R = a + b \sin \frac{2\pi t}{n} + c \cos \frac{2\pi t}{n} \quad (1)$$

with a, b and c is a constant which is derived from the following equation :

$$a = \frac{\sum P}{n} \quad (2)$$

$$b = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (3)$$

$$c = \frac{2\,(\sum P * \sin(2\pi t/n))}{n} \quad (4)$$

The results of calculation of the forecast costs of laundry in January 2016, this research can be seen in table 13.

Table 13. *Laundry* Cost Calculation Results

Forecasting January

Month	realization 2015	Forecasting Results 2016 (Siklis)
January	2,250,000	2,251,931

a = the amount of data during a year divided 12
27,464,000 / 12 = 2,288,667
b = 2 multiplied by the number of P * sin (2 * π * t/12) during a year divided 12
2 * -305,584 / 12 = -50,930.67
c = 2 multiplied by the number of P * cos (2 * π * t/12) during a year divided 12
2 * -78,980 / 12 = -13,163.33

Forecasting Results (R)

R(13) = 2,288,667+ -50,930.67 sin 2π(13)/12 + -13,163.33 cos 2π(13)/12

= 2,251,931

The results of the counting errors of forecasting using MAPE can be seen in table 14.

Table 14. Calculation Errors Forecasting MAPE

Month	realization 2015	Forecasting Results 2016 (Siklis)	Upset ahan Forecasting (MAPE)
January	2,250,000	2,251,931	2,059

The calculation uses the forecasting error MAPE
APE(1) = ((P(1)-R(1))/P(1))*100 = 0,0858
MAPE = (jumlah $P_{(1-12)}$)/12
= (24,7138/12)= 2,059

2.2.3 Pengawasan (*Check*)

At the stage of supervision there are several activities carried out are as follows:

a. To supervise the realization of the cost of activities referring to the budget plan, typing activity realization costs have approached Totan budget plan will appear on the system as a warning to the hotel can immediately take prompt action in accordance with the results of interviews with the Manager of the Hotel Pesona anggraini Hotel. Here's an example of supervision that can be seen in Table 15.

Table 15. Table Monitoring Fund Actual Cost Will Or Already Exceed Budget

No.	Realization of Cost Food & Beverage	Budget Food & Beverage	Difference
1	**724,611,100**	**612,197,500**	**-112,413,600**
WARNING!!! A shortage of the budget at the expense of food & beverage, there is a realization of the info food & beverage costs amounted to **724,611,100**, while the cost of food & beverage budget amounted to **612,197,500**, resulting in a lack of funds amounting to **112,413,600**			

b. Her warning appears on the realization of activities with a budget plan is typing realizable value close to the value of activities have a budget plan by 10%.

2.2.4 Aksi (*Act*)

At the stage of action *(act)* the hotel manager to evaluate the results of the planning control room costs, planning costs *of food & beverage* and *laundry* cost planning (which has been designed using *the siklis* methods),as well as operational cost planning and planning general and administrative costs.

At this stage of the action of hotel managers to evaluate the results of supervision. If the realization surveillance activities with the budget plan does not match then there are several steps undertaken by the Manager of the hotel as follows:

a. If the actual cost exceeds the cost of the budget, then the manager should make a budget revision to cover the deficit for the budget of the other costs that have surplus budget costs.

b. If the total cost of the budget still has excess charge until the end of the period, then its excess will be included as a net profit Hotel.

2.3 Requirements Analysis Non Functional

Here are the results of the analysis of non-functional requirements in the Financial Management Information System in Pesona Anggaraini Hotel to be built.

2.3.1 Analysis Software

Analysis software is needed resources to operate the system in addition to their hardware. Analysis software described is the analysis of software Manager Hotel, Accoounting SPV and all the parts manager in Pesona anggraini Hotel and analysis software needed. Software analysis presented in Table 16.

Table 16. Requirement

Specification lift Pe r Software Available Current

No.	Type of Software	Information
1	Operating system	*Windows 7*
2	Text Data Processing	*Microsoft Word 2010*
3	Processing Data Table	*Microsoft Excel 2010*
4	Readings PDF Format	*Adobe Reader IX*
5	browser	*Internet Explorer. Mozilla Firefox*

Software Requirements The minimum specifications required to support the implementation of Management Information System to be built are described in Table 17.

Table 17. Software Requirements Specification Minimum System To Be Built In

No.	Type of Software	Information
1	Operating system	*Windows 7*
2	Processing Data Table	*Microsoft Excel 2010*
3	Readings PDF Format	*Adobe Reader X*
4	browser	*Mozilla Firefox*
5	processing Database	*mySQL Server*

2.3.2 Analysis Hardware

Analysis of hardware is a necessary requirement also in other systems mengoprasikan their hardware. Analysis of the hardware used anggraini Hot Pesona el can be seen in Table 18.

Table 18. Hardware Requirement Specification Available Current

No.	Type Hardware	Information
1	processor	2.4 Ghz
2	RAM	2 Gb
3	harddisk	500 Gb
4	VGA	HD Graphics Family

5	monitor	17 inches

The minimum hardware requirement specification to support a system that will be built to run properly described in Table 19.

Table 19. Specifications Minimum Hardware Requirements In System To Be Built

No.	Type Hardware	Information
1	processor	2.0 Ghz
2	RAM	1 Gb
3	harddisk	120 Gb
4	VGA	onboard
5	monitor	14 inches

2.3.3 User Analysis

User analysis is intended to determine which users are involved in the financial budget plans so as to know the level of experience and understanding of computer users. Table 20 is a description of the characteristics of users involved in Information Systems Management at Pesona Anggraini Hotel.

Table 20. Characteristics of Users There are currently

No.	office	Responsible
1	Manager Hotel	a. Undertaking hotel b. Lead and monitor the overall business activity c. Me ngkoordinir work plan and budget and the revenue cost of each piece d. Me nyelenggarakan meeting of members
2	*Accounting SPV*	a. Me plan, organize and control of planning, reporting and financing of hotel b. M erencanakan, regulate and controlplan a nggar a n(RAB) hotel
3	*Front Office SPV*	a. Selecting, placing, training and evaluating *front office*employees b. M arouses a monthly report on the guest list, the occupancy rate and profit / loss at the front office c. M arouses annual budget, analyze operations onal and hotel revenue on a daily basis in terms of revenue, the average price of the room
4	*housekeeping SPV*	a. Carry out all the operational implementation in the Department HK b. The administration in the *Housekeeping Department* c. Make monthly reports on operating costs as well as room*service* profit / loss in part *Housekeeping* d. Make annual budget, analyze hotelonal daily operat ionsof the hotel room*service* charges
5	*laundry Leader*	a. Planning the work program and budget in the laundry b. Coordina te the implementation of tasks in the laundry c. Responsi ble for the expenditures for operating costs d. Make a report to the *SPV Accoounting*
6	*Food & Beverage SPV*	a. Coordina te activities and op erational *Food* and*Bevera ge Service* b. Responsi ble for and oversee all activities of *the Food*and *Beverage Service* c. Make a monthly report on reservation data, cost of food and beverages as well as profit / loss at the*Food & Beverage*
7	HRD Manager	a. Being responsible on matters relating to employee absenteeism, calculation of salary, bonus and benefits

While the needs of users on the Financial Management Information System in Pesona anggraini Hotel to be built in need of seven types of users, namely the Manager of the hotel, Accoounting SPV, Manager Front Office Manager Housekeeping, Laundry Leader, Manager of Food & Beverage and Human Resources Manager with a characteristic as shown in table 21.

Table 21. Characteristics of Minimum User In Information System To Be Built

No.	users	Access rights	Experience
1	Manager Hotel	- Managing Data uer	Never used the web-based application
2	*acounting SPV*	- Managing financial data - To supervise the financial data	Never used the web-based application
3	*Front Office SPV*	- Managing data*checki n* - Managing data*checko ut*	Never used the web-based application
4	*housekeeping SPV*	- Managing data room	Never used the web-based application

5	*laundry Leader*	- Managing Data laundry	Never used the web-based application
6	*Food & Beverage SPV*	- Manage the data*food & beverage* - Managing food ordering data	Never used the web-based application
7	HRD Manager	- Managing operational data Hotel	Never used the web-based application

2.3.4 Analysis Database

Modeling entity relationship diagram is used in database design needed in the development of Financial Management Information System in Pesona Anggraini Hotel. Database modeling can be seen in Figure 3 below :

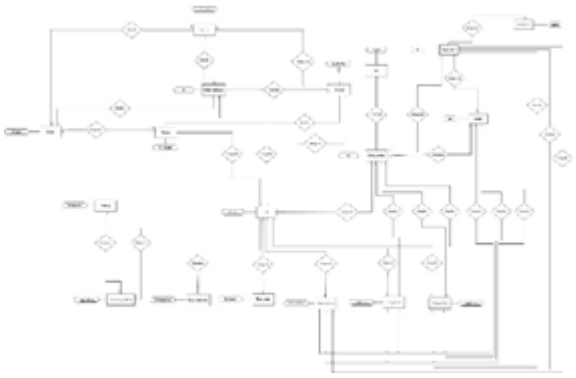


Figure 3. *Entity Relationship Diagram*

2.4 Functional Needs Analysis

Analysis of functional requirements describe the flow of data or information that includes depictions, planning and making arrangements in several separate elements into a unified whole and functioning in the process of making the system to be built.

2.4.1 *Context Diagram* (CD)

Context diagram or context diagram is the highest level diagram of a data flow diagram illustrating the relationships in the system to its users. In this context diagram there are several actors, where each actor has the right to access different, context diagram can be seen in Figure 4 below:

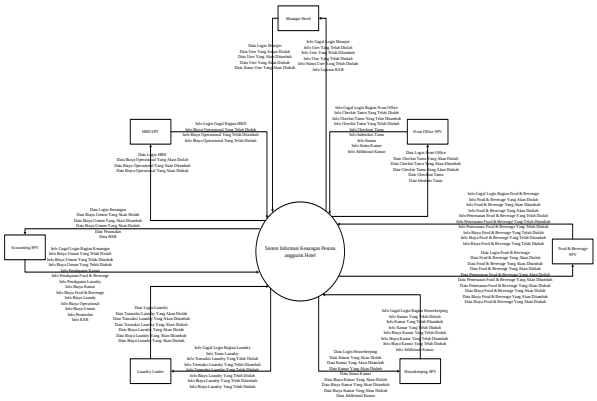


Figure 4. *Context Diagram* (CD)

2.4.2 DFD Level 1

Figure 5 below is a DFD level 1 which will be built on the Financial Management Information System in Pesona anggraini Hotel.

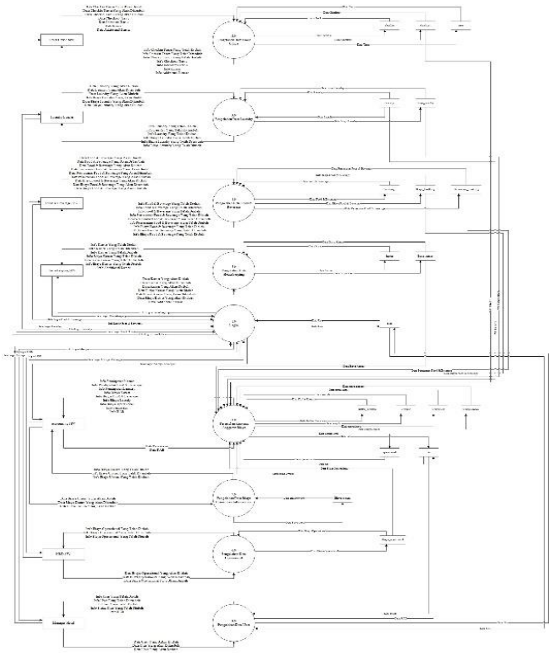


Figure 5. DFD Level 1

2.4.2 DFD Level 2 Proses 8

DFD Level 2 process 8 in this study can be seen in Figure 6.

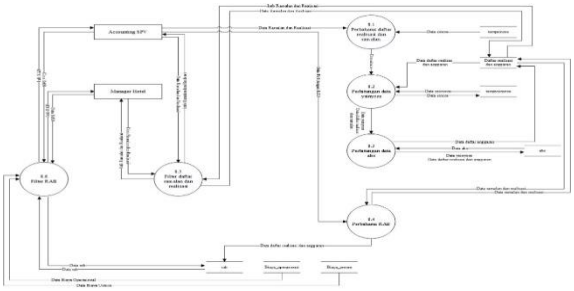


Figure 6. DFD Level 2 Process 8

2.5 interface

Login interface can be seen in Figure 7.



Figure 7. interface Login

Operational RAB interface can be seen in Figure 8.

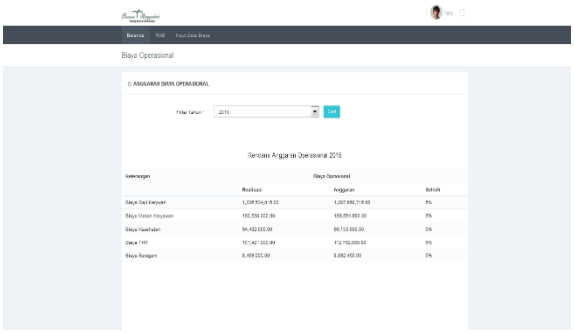


Figure8. RAB Interface Operations

General and Administrative RAB interface can be seen in Figure 9.

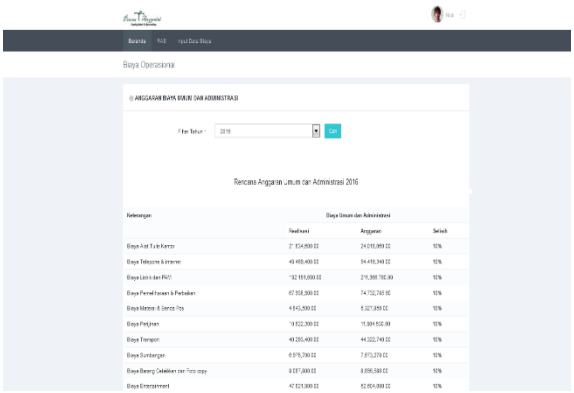


Figure 9. General and Administrative Interface RAB

Forecasting RAB interface can be seen in Figure 10.

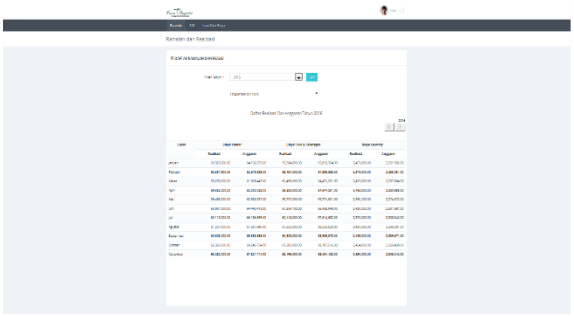


Figure 10. RAB interface Forecasting

RAB interface can be seen in Figure 11.

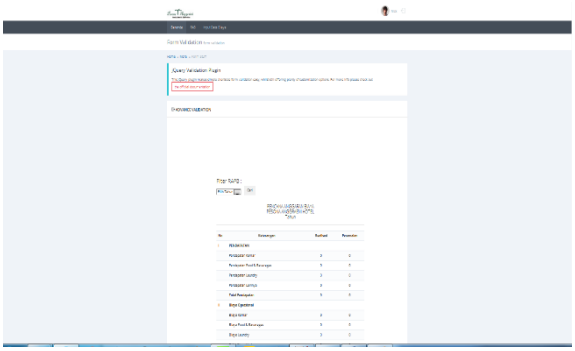


Figure 11. interface RAB

3. COVER

Conclusion

Based on research that has been done regarding the analysis, perancanan, implementation and testing of information systems and financial management at Pesona Hotel anggraini it can be concluded as follows:

1. Financial Management Information System has been able to help facilitate the SPV Accounting

memprdiksikan budget plan (RAB) as well as help facilitate Accounting SPV in the processing of financial data
2. Financial Management Information System can help SPV Accounting for supervising the data of cost and expense budget.

Suggestion

Of all the results that have been achieved at this time, still has some drawbacks. It is advisable to add things that can complement the Financial Management Information System is to come. Among others are:

1. According to Mr. Mulyadi as SPV Accounting advised to chart in more detail and realtime homepage in order to obtain more accurate surveillance data.
2. According to Mr. Mulyadi as SPV Accounting is recommended for users on the system is expanded again covers almost all parts in Enchantment anggraini Hotel

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