




Digital Receipt

This receipt acknowledges that **Turnitin** received your paper. Below you will find the receipt information regarding your submission.

The first page of your submissions is displayed below.

Submission author: Assignment title: Mr. Made Ariana
Submission title: 11_2021_CA_Arya_Bayu_ICAST_2020.pdf
File name: 11_2021_CA_Arya_Bayu_ICAST_2020.pdf
File size: 701.43K
Page count: 6
Word count: 3,293
Character count: 18,436
Submission date: 24-May-2023 12:00PM (UTC-0400)
Submission ID: 2100932422

 *Advances in Social Science, Education and Humanities Research, volume 544*
Proceedings of the International Conference on Science and Technology
on Social Science (ICAST-SS 2020)

Fixed Asset Applications Using Excel as a Supplement of Village Asset Management Systems

Kerut Arya Bayu Wicaksana*, I Wayan Karman, I Made Sura Ambara Jaya, I Made Ariana
Accounting Department
State Polytechnic of Bali
Badung, Indonesia
*aryaboywicaksana@pb.ac.id

Abstract—The application of village asset management systems used to record village assets. This application has not produced detailed information about fixed assets. The purpose of the study is to describe fixed asset applications using Excel and testing the feasibility of application as a supplement of village asset management systems. The quantitative data used is the assessment of technical and operational feasibility data. Data were collected using a questionnaire. The questionnaire of application feasibility consists of technical and operational feasibility. The technical feasibility consists of 6 item questions, and the operational feasibility consists of 9 item questions. The questionnaire uses 4 Likert scales, from 1 (very inflexible) to 4 (very feasible). The application test subjects are computer experts and accounting experts (10 experts). The analysis technique used is descriptive analysis, which includes descriptions of the parts and functions of the spreadsheet-based fixed asset application as a supplement of the SIPADES application. Description of the test results of the technical and operational feasibility of the spreadsheet-based fixed assets application based on a percentage analysis of the technical and operational aspects of the application. The study results are the fixed asset application using excel consists of village identity, account, village apparatus, list of goods, list of fixed assets, mutation, depreciation (financial) and fiscal methods, and the fixed asset reports. The fixed asset applications using Excel serve as a supplement of village asset management systems. The fixed asset application using Excel can receive data exported from village asset management system and can provide data imported into village asset management systems. The fixed asset applications using Excel are technically and operationally feasible as a supplement of village asset management systems.

Keywords—applications, fixed asset, excel, applications

1. INTRODUCTION
The village is a legal community unit that has the territory and authority to regulate and manage the interests of the community according to Government Regulation Number 72 of 2005 has an important role in development. The village government in managing village assets can use the SIPADES application (Village Asset Management System). The SIPADES application was developed by the Directorate General of Village Government Development

c.q. Directorate of financial facilities and village government assets. The SIPADES application is used to record village property that comes from the village's original wealth, purchased or obtained at the expense of the village income and expenditure budget, or other legal acquisition of things.

The SIPADES has a main menu consisting of files, inventory, reports, and documents. The file menu is divided into several sub-menus, namely village apparatus, list of items, list of users, setup password, export data, reset transactions, and maker matters. The item inventory menu has several features, such as planning, procurement, labeling, and managing goods. The report menu is used by the user to present village asset information objectively. The document menu contains policy documents to make it easier for users.

The SIPADES applications make it easier for village heads to convey the village assets report. It facilitates the implementation of village assets codification according to general guidelines. But in terms of reporting, it is known that the application has not produced detailed information on fixed assets such as the depreciation of fixed assets and a list of the carrying amount of fixed assets. In some cases, it is easier to prepare data input using Excel, and it is easier to modify reports for financial management purposes using Excel. Therefore, it is necessary to develop a fixed asset application to support the SIPADES application in financial management and village assets. The fixed asset application is designed to provide data for importing data from the SIPADES application. The fixed asset application is also made concerning to modify or create reports of the SIPADES application.

The fixed asset application is developed by using excel because Excel is a spreadsheet application that is still widely used together with other software in a more efficient accounting process [1], excel the most common technology skill [2]. Excel can be used as a complementary or standalone tool for financial reporting [3]. Both applications very useful in designing, creating, and processing data quickly. The application is easy to use by the beginner/village level. Besides, The SIPADES application is

Copyright © 2021 The Author. Published by Atlantis Press SARL.
This is an open access article distributed under the CC BY-NC 4.0 license <http://creativecommons.org/licenses/by-nc/4.0/>. 28

11_2021_CA_Arya_Bayu_ICAST_ 2020.pdf

by

Submission date: 24-May-2023 12:00PM (UTC-0400)

Submission ID: 2100932422

File name: 11_2021_CA_Arya_Bayu_ICAST_2020.pdf (701.43K)

Word count: 3293

Character count: 18436

Fixed Asset Applications Using Excel as a Supplement of Village Asset Management Systems

Ketut Arya Bayu Wicaksana*, I Wayan Karman, I Made Sura Ambara Jaya, I Made Ariana

Accounting Department
State Polytechnic of Bali
Badung, Indonesia

*aryabayuwicaksana@pnb.ac.id

Abstract—The application of village asset management systems used to record village assets. This application has not produced detailed information about fixed assets. The purpose of the study is to describe fixed asset applications using Excel and testing the feasibility of application as a supplement of village asset management systems. The quantitative data used is the assessment of technical and operational feasibility data. Data were collected using a questionnaire. The questionnaire of application feasibility consists of technical and operational feasibility. The technical feasibility consists of 6 item questions, and the operational feasibility consists of 9 item questions. The questionnaire uses 4 Likert scales, from 1 (very infeasible) to 4 (very feasible). The application test subjects are computer experts and accounting experts (10 experts). The analysis technique used is descriptive analysis, which includes descriptions of the parts and functions of the spreadsheet-based fixed asset application as a supplement of the SIPADES application. Description of the test results of the technical and operational feasibility of the spreadsheet-based fixed assets application based on a percentage analysis of the technical and operational aspects of the application. The study results are the fixed asset application using excel consists of village identity, account, village apparatus, list of goods, list of fixed assets, mutation, depreciation (financial and fiscal methods), and the fixed asset reports. The fixed asset applications using Excel serve as a supplement of village asset management systems. The fixed asset application using Excel can receive data exported from village asset management systems and can provide data imported into village asset management systems. The fixed asset applications using Excel are technically and operationally feasible as a supplement of village asset management systems.

Keywords— *applications, fixed asset, excel, applications*

I. INTRODUCTION

The village is a legal community unit that has the territory and authority to regulate and manage the interests of the community according to Government Regulation Number 72 of 2005 has an important role in development. The village government in managing village assets can use the SIPADES application (Village Asset Management System). The SIPADES application was developed by the Directorate General of Village Government Development

c.q. Directorate of financial facilities and village government assets. The SIPADES application is used to record village property that comes from the village's original wealth, purchased or obtained at the expense of the village income and expenditure budget, or other legal acquisition of things.

The SIPADES has a main menu consisting of files, inventory, reports, and documents. The file menu is divided into several sub-menus, namely village apparatus, list of items, list of users, setup password, export data, reset transactions, and maker matters. The item inventory menu has several features, such as planning, procurement, labeling, and managing goods. The report menu is used by the user to present village asset information objectively. The document menu contains policy documents to make it easier for users.

The SIPADES applications make it easier for village heads to convey the village assets report. It facilitates the implementation of village assets codification according to general guidelines. But in terms of reporting, it is known that the application has not produced detailed information on fixed assets such as the depreciation of fixed assets and a list of the carrying amount of fixed assets. In some cases, it is easier to prepare data input using Excel, and it is easier to modify reports for financial management purposes using Excel. Therefore, it is necessary to develop a fixed asset application to support the SIPADES application in financial management and village assets. The fixed asset application is designed to provide data for importing data from the SIPADES application. The fixed asset application is also made concerning to modify or create reports of the SIPADES application.

The fixed asset application is developed by using excel because Excel is a spreadsheet application that is still widely used together with other software in a more efficient accounting process [1], excel the most common technology skill [2]. Excel can be used as a complementary or standalone tool for financial reporting [3]. Both applications very useful in designing, creating, and processing data quickly. The application is easy to use by the beginner/village level. Besides, The SIPADES application is

created using database Access. Access and Excel are both software that is intended for process databases and spreadsheets on Windows systems so that the process of importing and exporting data becomes easier.

Based on the background of the problem, this study will focus on describing fixed asset applications using Excel and testing the feasibility of application as a supplement of village asset management systems.

II. RESEARCH METHODS

The research uses a descriptive method. The type of data used is quantitative data. The quantitative data used is the assessment of technical and operational feasibility data. Data were collected using a questionnaire adapted from the questionnaire used by Ariana [4]. The application feasibility consists of covering technical and operational feasibility. The technical feasibility consists of 6 item questions elements consist of (1) the ability of the hardware and operating system to support the application, 2) simplicity, and ease of use. The operational feasibility consists of 9 item questions elements consist of (1) application compatibility with user capabilities, (2) the application's ability to produce information, (3) controls that the application has. The questionnaire uses 4 Likert scales, from 1 (very infeasible) to 4 (very feasible). The application test subjects are computer experts and accounting experts (10 experts). The analysis technique used is descriptive analysis, which includes descriptions of the parts and functions of the spreadsheet-based fixed asset application as a supplement of the SIPADES application. Description of the test results of the technical and operational feasibility of the spreadsheet-based fixed assets application based on a percentage analysis of the technical and operational aspects of the application. The feasibility level and revised criteria are presented as follows in Table I.

TABLE I. FEASIBILITY LEVEL AND REVISED CRITERIA

Value	Level of Feasibility
81.26-100.0	Very feasible, does not need revision
62.51-81.25	Feasible, no need for revision
43.76-62.50	Not feasible, need to be revised
25.00-43.75	Very infeasible, really needs to be revised

III. RESULTS AND DISCUSSIONS

Village assets are items belonging to the village originating from the original village assets, purchased or obtained at the cost of the village income and expenditure budget or from other legal rights. Village asset Management is a series of activities including planning, procurement, use, utilization, security, maintenance, deletion, transfer, administration, reporting, appraisal, guidance, supervision, and control of village assets [5].

According to financial accounting standards, a fixed asset is a tangible asset that is held for use in the production or inventory of goods or services, for sale to other parties, for

administrative purposes, and expected to be used for more than one period. Accounting treatment for fixed assets includes recognition, measurement, presentation, and disclosure. The fixed assets are recognized, measured, presented/disclosed following the statement of financial accounting standards number 16 [6].

The following will be described the fixed asset application to support the SIPADES application and testing the feasibility of the fixed asset application to support the SIPADES application.

A. The Fixed Asset Application

The fixed asset applications are applications created using excel. This application consists of several parts, namely village identity, account, village apparatus, list of goods, list of fixed assets, mutation of fixed assets, fixed asset reports, and fixed asset depreciation cards based on financial and tax accounting standards. The main menu and sub-menu of fixed asset applications are presented in Fig. 1.



Fig. 1. Main menu and sub-menu of the application.

The village identity form contains information about village identity. The village identity form is presented in Fig. 2.

Fig. 2. The village identity form of application.

The account form contains information about the account. The village identity form is presented in Fig. 3.

Fig. 3. The account form of application.

The village apparatus form contains information about the village apparatus. The village apparatus form is presented in Fig. 4.

Fig. 4. The village apparatus form of application

The list of goods forms contains information about the list of goods. The list of goods form is presented in Fig. 5.

Fig. 5. The list of goods form of application.

The list of fixed assets form contains information about the list of fixed assets. The list of fixed assets form is presented in Fig. 6.

Fig. 6. The list of fixed assets form of application.

the application, the ability of the application to generate information, and application control on the fixed asset application. The results of expert assessments on operational aspects are presented in Table III.

Based on Table III, it is known that the mean score (%) of each operational aspect more than 81.25 unless the ability of the application to generate detailed information, password, application control, and output control less than 81.25%. These show that the feasibility of the fixed asset application is very feasible on the operational aspect, except the ability of the application to generate detailed information and password are feasible. The user was able to use the fixed asset application. The application can generate information, and the application has application control. The ability to use applications seen from the user can quickly use the application, and the user can overcome its difficulties in the use of the application. The application ability to generate information can be seen from the application that can generate fixed asset reports, can provide detailed information, can provide information that can be displayed on the monitor, and can provide information in hardcopy documentation (print). The application control can be seen from the application password, application's control, and control output. The results of this study are consistent with the results of previous studies that state that users can use spreadsheet-based applications, the ability to use the spreadsheet applications is related to perceived usefulness [4,7,8,12]. Spreadsheet-based applications can generate the required information [13,14]. The Controlling application is feasible, which means that the password, application control, and output control are adequate [15-17]. The quality of the application is influenced by internal control effectiveness [18]. The effectiveness of the control application is characterized by appropriate safety [19,20]. The previous study found a positive effect of The effectiveness of controls on the detection of fraud [21].

TABLE III. THE RESULTS OF OPERATIONAL FEASIBILITY ASSESSMENTS

Aspects of Operational Feasibility	Value (%)	Level
The user ability to use application		
Users can use the application quickly.	91.67	very feasible
Users can overcome their difficulties in using the application.	87.04	very feasible
The ability of the application to generate information		
The application can generate financial reports.	93.52	very feasible
The application can generate detailed information.	79.63	feasible
The application can generate information on the monitor.	98.15	very feasible
The application can generate information in hardcopy documentation (print).	93.52	very feasible
The application control		
The application includes an adequate password.	76.85	feasible
The application has some application's controls.	78.04	feasible
The application has some control of the output.	78.33	feasible
Average	86.31	very feasible

IV. CONCLUSION

The purpose of the study is to describe fixed asset applications using Excel and testing the feasibility of application as a supplement of village asset management systems. The study results are the fixed asset application using excel consists of village identity, account, village apparatus, list of goods, list of fixed assets, mutation, depreciation (financial and fiscal methods), and the fixed asset reports. The fixed asset applications using excel serve as a supplement of village asset management systems. The fixed asset application using Excel can receive data exported from village asset management systems and can provide data imported into village asset management systems. The fixed asset applications using Excel are technically and operationally feasible as a supplement of village asset management systems.

ACKNOWLEDGMENT

The author would like to thank the State Polytechnic of Bali for providing research funding.

REFERENCES

- [1] N. Chaamwe and L. Shumba, "ICT Integrated Learning: Using Spreadsheets as Tools for e-Learning , A Case of Statistics in Microsoft Excel," no. January, 2016.
- [2] C. B. Lee and K. I. N. M. Sam, "Spreadsheet Proficiency: Which Spreadsheet Skills are Important?," *J. Inf. Technol. Manag.*, vol. XXIX, no. 3, pp. 35–44, 2018.
- [3] M. Olusegun, "Accountants' Perceptions of the Use of Excel Spreadsheet in Financial Reporting: A Survey of Accounts Personnel in Manufacturing Firms," *Imp. J. Interdiscip. Res.*, vol. 2, no. 8, pp. 781–790, 2016.
- [4] I. M. Ariana and I. M. Bagiada, "Student' Perceptions Of Spreadsheet – Based Accounting Application With Transaction Cycle Approach," *Int. Jt. Conf. Sci. Technol.*, pp. 1–5, 2016.
- [5] ____, "Regulation of the Minister of Home Affairs of The Republic of Indonesia Concerning Village Assets Management," p. 10, 2016.
- [6] Indonesian Institute of Accountants, *Financial Accounting Standards*. Jakarta: IAI, 2018.
- [7] I. M. Ariana, I. M. Bagiada, and I. K. Sukayasa, "User Satisfaction on Technical and Operational Performance of Spreadsheet-Based Financial Accounting Application," in *Proceedings of the 1st International Conference on Social Sciences (Icss 2018)*, 2018, vol. 226, no. 1, pp. 450–454.
- [8] I. M. Ariana, I. M. S. A. Jaya, and I. D. M. Mahayana, "Student Acceptance of the Use of Spreadsheet-Based Accounting Applications," vol. 354, no. iCASTSS, pp. 84–88, 2019.
- [9] M. J. Alsamydai, "Adaptation of the Technology Acceptance Model (TAM) to the Use of Mobile Banking Services," *Int. Rev. Manag. Bus. Res.*, no. 2014, pp. 2016–2028, 2014.
- [10] D. Mugo, K. Njagi, B. Chemwei, and J. Motanya, "The Technology Acceptance Model (TAM) and its Application to the Utilization of Mobile Learning Technologies," *Br. J. Math. Comput. Sci.*, vol. 20, no. 4, pp. 1–8, 2017.
- [11] S. Koul and A. Eydgahi, "Utilizing Technology Acceptance Model (TAM) for driverless car technology Adoption," *J. Technol. Manag. Innov.*, vol. 13, no. 4, pp. 37–46, 2018.
- [12] R. Rauniar, G. Rawski, J. Yang, and B. Johnson, "Technology acceptance model (TAM) and social media usage: An empirical study on Facebook," *J. Enterp. Inf. Manag.*, vol. 27, no. 1, pp. 6–30, 2014.

- [13] N. Luh, N. Ayu, S. Susilawati, N. K. Sukasih, and I. M. Ariana, "Spreadsheet-based accounting application with transaction cycle approach for manufacturing company," pp. 1–7, 2017.
- [14] I. M. Bagiada, N. L. N. A. S. Susilawati, and I. M. Ariana, "Spreadsheet-Based Medical and Financial Record in the First Level Health Facilities," vol. 354, no. iCASTSS, pp. 124–128, 2019.
- [15] I. M. Sura, A. Jaya, and I. N. Sugiarta, "Development of Spreadsheet-Based Applications for Learning of Financial Management," vol. 226, no. Icass, pp. 526–529, 2018.
- [16] I. M. Ariana and I. M. Bagiada, "Development of Spreadsheet-Based Integrated Transaction Processing Systems and Financial Reporting Systems," in *JJ. Phys.: Conf*, 2018, vol. 953, no. 2, pp. 1–5.
- [17] I. M. Ariana, "Feasibility of Spreadsheet-Based Basic Accounting Practice Module with Transaction Cycle Approach," *J. Teknodik*, vol. 21, no. 2, pp. 145–154, 2017.
- [18] A. Fitriati and A. Susanto, "The accounting information system quality improvement through internal control and top management support effectiveness," *J. Theor. Appl. Inf. Technol.*, vol. 95, no. 19, pp. 5003–5011, 2017.
- [19] R. Lutui, "The relevance of a good internal control system in a computerised accounting information system," pp. 29–40, 2018.
- [20] G. Liu, W. Wang, Z. Liu, and X. Liu, "Research on internal control of accounting information system under network environment," *J. Adv. Oxid. Technol.*, vol. 21, no. 2, pp. 905–907, 2018.
- [21] A. A. B. Ahmad, "The moderating role of internal control on the relationship between accounting information system and detection of farud: The case of The Jordanian Banks," *Int. J. Acad. Res. Econ. Manag. Sci.*, vol. 8, no. 1, pp. 37–48, 2019.

ORIGINALITY REPORT

13%

SIMILARITY INDEX

12%

INTERNET SOURCES

8%

PUBLICATIONS

1%

STUDENT PAPERS

MATCH ALL SOURCES (ONLY SELECTED SOURCE PRINTED)

3%

★ Rima Rachmawati, Ferry Mulyawan, Remon Gunanta, Daniel Nababan. "Asset Management Competencies and Organizational Structure on the Effectiveness of Village Asset Management", International Journal of Engineering & Technology, 2018

Publication

Exclude quotes On

Exclude matches < 1%

Exclude bibliography Off

GRADEMARK REPORT

FINAL GRADE

GENERAL COMMENTS

/0

Instructor

PAGE 1

PAGE 2

PAGE 3

PAGE 4

PAGE 5

PAGE 6
