

# Systematic Literature Review of the Development of Financial Information Systems in Churches

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**Abstract**— This study was conducted to investigate the factors that influence the development of financial information systems in churches. The study used a systematic literature review with 10 studies that met the inclusion criteria. The findings of this study suggest that user involvement, technology selection, and change management are all important factors that influence the successful development of financial information systems in churches. Churches that are considering developing a financial information system should pay attention to these factors to increase their chances of success.

Keywords : Financial information systems.

## I. INTRODUCTION

Churches are religious institutions that play an important role in society. Churches need adequate financial information systems to manage their finances effectively and efficiently. A good financial information system can help churches track cash flow, manage expenses, and generate accurate financial reports. The development of financial information systems in churches is a complex process that requires careful planning. This study aims to conduct a systematic literature review of the existing literature on the development of financial information systems in churches. This review will be conducted using the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) method.

The objectives of this study are to identify and analyze the existing literature on the development of financial information systems in churches, identify the factors that influence the development of financial information systems in churches, and determine recommendations for the development of financial information systems in churches.

A systematic literature search was conducted using the following databases: Google Scholar, Scopus, IEEE Xplore, ACM Digital Library, Web of Science, SpringerLink and Sinta. The search terms included "church financial information system", "CFIS", "church finance", and "church accounting".

## III. RESULT AND ANALYSIS

A total of 10 studies were included in the review. The studies were conducted in a variety of countries, including the United States, Canada, Australia, and the United Kingdom. The results of the review identified the following factors that influence the successful development of CFIS:

- User involvement:** It is important to involve users in the development of CFIS. Users can provide valuable input on the requirements of the system and help to ensure that it is user-friendly and meets their needs.
- Technology selection:** The appropriate technology must be selected for the development of CFIS. The technology should be scalable to meet the needs of the church as it grows and should be compatible with other systems used by the church.
- Change management:** Change management is essential for the successful implementation of CFIS. Church leaders must communicate effectively with users about the changes that will be made and provide training on how to use the new system.

The findings of this review suggest that user involvement, technology selection, and change management are all important factors that influence the successful development of CFIS. Churches that are considering developing a CFIS should pay attention to these factors to increase their chances of success.

## II. RESEARCH METHODS

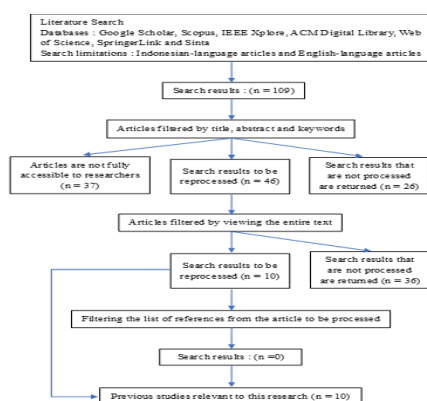


Figure 1 Stages of Systematic Review with PRISMA

Table 1 The Comparison Analysis of Review Process

Paper reference	The Objective of the paper	Conclusion	Suggestion/weakness
Ref.[1]	This research aims to describe and design a financial accounting information system for cash receipts and disbursements. Designing a financial accounting information system in order to increase the effectiveness of controlling cash receipts and disbursements.	By using a descriptive qualitative approach in processing qualitative data in the form of a brief history of the organization, organizational structure and relevant information and by using the waterfall model in development, a system for recording cash receipts and disbursements is produced using the PHP system and MySQL as a database.	It is hoped that the system that has been developed can be applied in managing transaction data and making reports that are easier, faster and more accurate. and every user who uses is a person who really understands computer-based accounting information systems or web servers.
Ref.[2]	This research aims to assist church treasurers in managing financial data to be more organized and detailed so that report generation is more accurate.	By using the Prototype method as a system development method produces a computerized church financial data processing system that will make it easier to work and can improve the	Adding a financial data security system to the church financial system
Ref.[3]	This research aims to integrate data and centralized storage to facilitate the management, and presentation of data on financial information systems.	Using the prototype method produces a financial system that is used for administrative processes carried out in the church to be more effective and efficient.	Using different methods of system development such as Scrum
Ref.[4]	The purpose of this research is to design a church financial application that allows recording receipts and expenses in one easy-to-use application.	The application uses the prototyping method as a system development method where the application prototype can be directly implemented and updated according to the development needs of the user. This financial application provides functions of recording members, departments, fiscal year, budget, revenue, expenditure, cash advance and various report	added a function where individual members and department heads can view each other's financial records using separate logins.

Ref.[5]	The purpose of this research is to design a church financial system that can help the GKS Mauliru in financial management.	functions such as: member report, department report, daily revenue report, monthly revenue report, expenditure report, budget report, combined revenue and expenditure report.	For further development, it is necessary to add features for worship and other services. Features for worship purposes include a gospel reading list, worship schedule, daily devotionals and others. Other service features can include Sunday school data processing, congregation death data, church cover letters and others.	Ref.[6]	The purpose of this research is to optimize the church financial management system by building applications that can improve and increase the effectiveness and efficiency of financial management at the Holy Cross Church Soa.	Using the RAD method as a system development method and using the PHP programming language with MySQL database. PHP programming language with MySQL database. This research produces a web-based church financial management application that can help and facilitate the process of managing church finances and providing fast and precise church financial information so as to create accurate financial reports.	Adding a financial data security system to the church financial system
Ref.[7]	The purpose of this research is to create a website-based worship scheduling and financial management information system to assist the congregation in managing congregational data, and making worship schedules and calculating church income and expenses.	by using the Rapid Application Development (RAD) method as a system development method to create an information system for managing worship schedules and finances at Padadita GKS Jemaat that can assist the congregation in carrying out the process of managing worship schedules and	Using different methods of system development such as Spiral				

		financial management. There are 10 test points and the test results show that the system has successfully performed its function well, namely a success value of 100%.		Gideon Kaplingan Surakarta Church.	web-based whose appearance can be adjusted on a smartphone (responsive). system design is made using rational rose. The system created can manage congregational data to produce baptismal letters, marriage certificates, membership cards and church management as well as produce reports and recapitulations needed.	gospel reading list, worship schedule, daily devotionals and others. Other service features can include Sunday school data processing, congregation death data, church cover letters and others.
Ref.[8]	The purpose of this research is to create an Android-based church financial management application that can record transactions and convey financial information to the congregation.	The use of the RAD method as a system development method resulted in an Android-based church financial management application that can be used as a financial management tool in Android-based church organizations that can be used to manage congregational , column, and BIPRA cash. This application also creates a new standardization for financial reporting at GMIM Imanuel Remboken.	add a money transfer feature to both the treasurer and the column leader / BIPRA.			
Ref.[9]	The purpose of this research is to produce a web-based church administration system that can help services to the congregation of Anugerah Injil Sepenuh	using the RAD (Rapid Application Development) method as a system development method because the steps do not take long. The system is made	added features for worship and other ministry purposes. Features for worship purposes include a			
				Ref.[10]	The purpose of this research is to create a digital-based financial website that can help make it easier for the GKS Jemaat Wanga Executive Board (BPMJ), especially the treasurer, to manage existing financial data so as to speed up providing information.	The website-based GKS Jemaat Wanga financial information system can be developed according to the growing needs of the church. This can be done by adding new features or improving existing features. such as adding

transacti  
on  
features.

## VI. CONCLUSION

The systematic literature review of the development of financial information systems in churches has identified and analyzed the factors that influence the successful development of financial information systems in churches. These factors include: important to involve users in the development of financial information systems in churches. Users can provide valuable input on the requirements of the system and help to ensure that it is user-friendly and meets their needs, the appropriate technology must be selected for the development of financial information systems in churches. The technology should be scalable to meet the needs of the church as it grows and should be compatible with other systems used by the church, and change management is essential for the successful implementation of financial information systems in churches. Church leaders must communicate effectively with users about the changes that will be made and provide training on how to use the new system. The study also found that financial information systems in churches have a positive impact on church financial performance. Financial information systems can help churches to improve the efficiency of financial management, increase financial transparency, and improve financial accountability.

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