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.

II. RESEARCH METHODS
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:

a. 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.

b. 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.

c. 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.
Table 1 The Comparison Analysis of Review Process

<table>
<thead>
<tr>
<th>Paper reference</th>
<th>The Objective of the paper</th>
<th>Conclusion</th>
<th>Suggestion/weakness</th>
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<tbody>
<tr>
<td>Ref.[1]</td>
<td>This research aims to describe and design a financial accounting information system for cash receipts and disbursements.</td>
<td>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 system development, a system for recording cash receipts and disbursements is produced using the PHP system and MySQL as a database.</td>
<td>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.</td>
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<td>Ref.[2]</td>
<td>This research aims to assist church treasurers in managing financial data to be more organized and detailed so that report generation is more accurate.</td>
<td>By using 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</td>
<td>Using different methods of system development such as Scrum</td>
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<tr>
<td>Ref.[3]</td>
<td>This research aims to integrate data and centralized storage to facilitate the storage, management, and presentation of data on financial information systems.</td>
<td>Using the prototype method as a system development method produces a financial system that is used for administrative processes carried out in the church to be more effective and efficient.</td>
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<tr>
<td>Ref.[4]</td>
<td>The purpose of this research is to design a church financial application that allows recording receipts and expenses in one easy-to-use application.</td>
<td>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</td>
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smoothness of the financial data input process. facilitate the work and can improve the smoothness of the financial data input process.
functions such as: member report, department report, daily revenue report, monthly revenue report, expenditure report, budget report, combined revenue and expenditure report.

Ref. [5] The purpose of this research is to design a church financial system that can help the GKS Mauliru in financial management. By using the rapid application development method as a system development method and system testing using blackbox testing, the resulting church financial information system can assist the church in managing financial reporting, so that the financial management process becomes faster and more effective.

For further development, it is necessary to added 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. 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. 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.

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. This application also creates a new standardization for financial reporting at GMIM Imanuel Remboken.

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 Gideon Kaplingan Surakarta Church.

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. Using the waterfall method as a software development method that will produce a website-based financial information system. GKS Jemaat Wanga based on a website that can help facilitate the treasurer of GKS Jemaat Wanga in managing financial data and storing financial data. This can be done by adding new features or improving existing features, such as adding...
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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REFERENCES


