

## Information Technology Training Based on the Siforterpadu Application to Improve Skills In Making Financial Reports at BKM Sejahtera Mandiri Cooperative

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### Article History

accepted 31/7/2023

approved 31/8/2023

published 30/9/2023

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### Abstract

*The skills of cooperative managers must be improved in using information technology to produce reliable financial statements. The purpose of this study is to determine how effective information technology training based on Siforterpadu applications is in improving the ability of BKM Sejahtera Mandiri Cooperative members to make financial statements. This research uses an experimental method, a pretest-posttest design, and questionnaire distribution to collect data. The research sample was selected through the purposive sampling technique, consisting of six participants. The results of this study indicate that information technology training based on Siforterpadu Application has succeeded in improving the ability to utilize information technology, efficiency in preparing financial reports, and awareness of the importance of self-development for financial managers in BKM Sejahtera Mandiri cooperative. This training provides benefits for financial managers by making them more efficient and effective.*

**Keywords:** *Information technology training, Siforterpadu Application, Skills in making financial reports*

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**Social, Humanities, and Education Studies (SHEs): Conference Series**  
<https://jurnal.uns.ac.id/shes>

p-ISSN 2620-9284  
e-ISSN 2620-9292



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## INTRODUCTION

Education has a very important role as an effort to create quality resources, be independent, creative, and have critical thinking so as to adapt to the times [1]. Education is not only formal but also non-formal [2]. Non-formal education also consists of various types of educational facilities, such as course institutions, training institutions, tutoring, majelis taklim groups, and community learning centers [3]. The Village Government can also conduct any training needed, one of which is training in the use of information systems for financial managers in cooperatives. In an increasingly advanced digital era, information technology has great potential to improve the efficiency, productivity, and competitiveness of cooperatives [4]. Financial managers in the BKM Sejahtera Mandiri cooperative do not have sufficient knowledge and skills in using information technology and Siforterpada applications for financial management [5], so the BKM Sejahtera Mandiri cooperative currently does not use information systems in its financial management.

BKM Sejahtera Mandiri Cooperative currently does not use information systems in its financial management. With the transformation of cooperatives from the use of manual systems to digital cooperatives, it is necessary to train the use of information systems in BKM Sejahtera Mandiri cooperatives [6]. If the cooperative information system (CIS) has poor data quality, cooperative organizations are more likely to remember data than to use what is already in the system [7], but this is different from what is said by [8]. Progressively, computer technology based on information technology can be applied in the company's management system to improve management efficiency and company development and will encourage overall social and economic growth. Siforterpada Application are the right solution to increase effectiveness and efficiency in managing information systems [9]. The development of collaborative information system applications was successfully carried out in accordance with the needs [10].

Utilization of information systems (IS) is a very important factor in adapting to environmental change in 4.0 [11]. Using the right application, information systems can reduce errors and present more precise information, and the use of information systems to produce accurate information for an agency can be an important basis for determining a decision [8]. Human resource information systems are costly interventions with ongoing investment requirements in the form of financial resources and specialized training for relevant people [12]. Training on the use of the Siforterpada Application in the preparation of financial statements in BKM Sejahtera Mandiri Desa Dander is very important. It is expected that through this training, the administrators can easily and quickly prepare financial reports [5]. Training on the use of applications for financial managers aims to provide an understanding of effective and efficient financial management. With this training, users will understand how to use applications to manage finances more easily and also understand the benefits of using applications, such as reducing the risk of losing data and money and simplifying financial recording [22]. This training can also help them develop their own financial management skills [23].

In the current era of rapid development of information technology, cooperatives must follow the trend and transform into digital entities in order to further maximize their services and competitiveness [14]. Along with the rapid development of information technology, the cooperative BKM Sejahtera Mandiri Desa Dander needs to design a strategy to implement digitalization in the operation of the cooperative. One of the steps that can be taken is through training and education for financial managers related to the use of information systems in cooperatives [13]. With the training and education of financial managers on the utilization of cooperative information systems, the BKM Sejahtera Mandiri cooperative will be able to carry out all its business activities easier and can increase its knowledge [15].

The Accountant Information System Application is an application specifically designed to support accounting tasks and functions in an organization [16]. Information systems include arrangements of human resources, data, processes, and information technology that are interconnected with each other to collect, process, store, and provide information as a result [9]. Sifortepadu Application involve end users, data sources, data collection, data processing, database management, general information, and feedback [6]. To achieve transparency in cooperative financial management, web and mobile application-based cooperative information system applications can be applied to the BKM Sejahtera Mandiri cooperative [14].

Industry 4.0 aims to develop a framework in which new technologies interoperate with each other and with employees, creating a smart and efficient environment [17]. Education and training are activities that focus on improving the knowledge, skills, and attitudes of individuals to carry out their duties efficiently and effectively in achieving organizational goals. Education and training are similar in their implementation objectives, but the difference lies in their scope [18]. Education and training play an important role in workforce management and are a responsibility that cannot be ignored. To support the effectiveness and success of education, it requires the serious and integrated handling of facilities and infrastructure that can improve employee abilities and performance. In response to the rapid development of information technology, it is important to conduct training and education related to the implementation of cooperative information systems at the BKM Sejahtera Mandiri Cooperative in Dander Village as an anticipatory step. Performance will be greatly influenced by the use of web-based information system reporting [19].

#### METHODS

According to Sugiyono (2019: 111), "the experimental research method is a research method conducted by experiment, which is a quantitative method, used to determine the effect of independent variables (treatment) on dependent variables (results) under controlled conditions. This research method uses experiments. This research involved financial managers from BKM Sejahtera Mandiri. This study took a sample of six participants, and the sampling method was purposive sampling. This research collected data through the pretest-posttest questionnaire distribution method. This research was conducted at the BKM Sejahtera Mandiri cooperative in Dander Village, Dander Sub-district, Bojonegoro Regency, for 2 days on July 10–11, 2023.

#### RESULTS AND DISCUSSIONS

The characteristics of the participants who took part in this training activity can be seen in Table 1. Most participants had a high school education (83%), and a junior high school education (16.7%).

**Table 1. Characteristics of Participants**

No	Name	L	P	Age	Education Level
1.	A	✓	-	39 Years Old	Senior High School
2.	B	✓	-	32 Years Old	Senior High School
3.	C	-	✓	46 Years Old	Junior High School
4.	D	-	✓	40 Years Old	Senior High School
5.	E	-	✓	35 Years Old	Senior High School
6.	F	-	✓	37 Years Old	Senior High School

*Siforterpadu Application* Training is software designed to help financial managers in BKM Sejahtera Mandiri cooperative prepare and manage financial reports in an efficient and integrated manner. The training material includes an explanation of the main features of the *Siforterpadu Application*, how to access and use the various modules, and the steps to prepare financial reports systematically. The results of the *Siforterpadu Application* Training have an important role in efforts to improve the skills of participants in using the application to prepare financial reports effectively and efficiently [20].



In this study, 3 hypotheses were tested to evaluate the relationship between information technology training and the ability to use information technology, the effectiveness of financial statements, and the need for self-development. Below are the results and discussion of each hypothesis.

**Table 2. Evaluation Results**

No	Description	Pre-test			Post-test		
		Not Proficient	Proficient	Very Proficient	Tidak Mahir	Cukup Mahir	Sangat Mahir
1.	Ability to use information technology	16.7% (1)	50% (3)	33.3% (2)	0% (0)	16.7% (1)	83% (5)

From table 2, it can be seen that for the ability to use information technology before training (Pre-test), as many as 16.7% of respondents admitted that they were not or were not proficient in using information technology, as many as 50% of respondents felt quite proficient in operating technology, and 33.3% said they were very proficient in information technology. After the training, a post-test showed that the ability to use information technology increased significantly after attending the training; 16.7% were said to be quite proficient, and 83% were said to be very proficient. Information technology training based on the *Siforterpadu* application succeeded in improving participants' skills in using information technology so that they could be more effective and productive when managing financial data in the BKM Sejahtera Mandiri cooperative [24].

**Table 3. The Results Of The Pre-Test And Post-Test**

No	Description	Pre-test			Post-test		
		Not Efficient	Moderately Efficient	Highly Efficient	Not Efficient	Moderately Efficient	Highly Efficient
1.	Effective financial statements	16.7% (1)	33.3% (2)	50% (3)	0% (0)	16.7% (1)	83% (5)

The results of the pre-test and post-test measurements showed a very significant increase in the level of efficiency in preparing financial reports after the training. Table 3 shows the results of the Pre-test, which said that 16.7% of participants in conducting financial reporting were ineffective, 33.3% were quite effective, and 50% said they were very effective. After the training (Post-test), it can be seen that the percentage of respondents who felt the process was inefficient decreased to 0%, while quite efficient decreased by 16.7%, and very efficient increased by 83%. Information technology training based on the Siforterpadu application has succeeded in increasing efficiency in the management of financial reports in the BKM Sejahtera Mandiri cooperative. Cooperatives can maximize the time and human resources used in preparing financial reports, thereby increasing the accuracy and quality of those reports.

No	Description	Pre-test			Post-test		
		Not in need	Need	Very much in need	Not in need	Need	Very much in need
1.	The need for self-development	16.7% (1)	33.3% (2)	50% (3)	0% (0)	16.7% (1)	83% (5)

The pre-test and post-test showed a significant difference in the level of awareness of self-development needs after the training. Before the training, most respondents felt that they needed self-development very much (83%), a small proportion felt that they only needed it (16.7%). And no one felt that they did not need self-development. There was a significant change in that there were no more respondents who felt that they did not need self-development, and most respondents actually felt that they really needed it (100%).

The data in Tables 2, 3, and 4 were obtained through pre-test and post-test questionnaires filled out on Google Forms. Each participant was asked to answer questions from the questionnaire on a scale of 1–3. From this study, it can be said that after the training, the ability of financial managers can be said to increase and be effective in managing finances in the BKM Sejahtera Mandiri cooperative. The results showed that there was a significant relationship between training on the ability to use information technology, effective financial reports, and the self-development needs of financial managers in the BKM Sejahtera Mandiri cooperative [24]. Financial managers in BKM Sejahtera Mandiri are better able to manage their financial transactions, can access financial information quickly and accurately, and improve the accuracy of data recording, so that it can help managers prepare and produce structured financial reports of higher quality, transparency, and accountability, and are more motivated to improve their abilities and skills in financial management [21].

### CONCLUSION

The research conclusions from the analysis of tables 2, 3, and 4 are 1. Table 2. Ability to use information technology Before the training, the majority of participants (50%) felt quite proficient in using information technology; 16.7% claimed to be not proficient. After the training, most participants (83%) felt very proficient in using information technology. By holding information technology training based on the

Siforterpada Application, participants are able to improve their ability to use information technology in the current digitalization era. Before the training, half of the participants considered the preparation of financial statements to be very efficient, and 16.7% of them considered the process to be inefficient. After the training, effective financial statements increased by 83%. Before the training, 83% of the participants felt that they needed self-development, while 16.7% felt that they only needed it. After the training, no one felt that they did not need self-development, and 100% of participants felt that they needed it very much. The training on information technology based on the Siforterpada application succeeded in raising awareness of the importance of self-development for financial managers in the BKM Sejahtera Mandiri cooperative.

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