2nd International Conference on Informatics, Engineering, Science and Technology (INCITEST 2019)

IOP Conference Series: Materials Science and Engineering
Volume 662

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18 July 2019

Part 1 of 3

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Preface

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Preface

It is our great honor and pleasure to introduce the Proceedings of the 2nd International Conference on Informatics, Engineering, Science, and Technology (INCITEST 2019). The second INCITEST was organized by Universitas Komputer Indonesia and was held in Bandung, Indonesia, on 18 July 2019. With the theme **"Building Competitive Advantage to Face Industry 4.0"**, the conference provides a platform to share ideas and current research in the areas of Informatics, Engineering, Science, and Technology with the participants from the scientist, engineers, researchers, practitioners, civil society and organization representative.

Following the success of the first INCITEST, the enthusiasm of second international conference INCITEST has increased. The high enthusiasm was reflected from high number of paper submission with more than 350 papers from the participants coming from several cities and countries. Therefore, it is allowed multinational and cultural exchange of ideas in facing the issue and challenges in Industry 4.0. In order to improve the quality of the papers and extend the publication, all papers have been carefully selected and peer-reviewed.

This conference can only succeed as a team effort. Our sincere thanks conveyed to the Rector of Universitas Komputer Indonesia for his support to the success of the event. We would also like to thank all participants for their contributions to the Conference program and for their contributions to these Proceedings. We also honored and grateful with the cooperation between the organizers of INCITEST 2019 with the international reputable publisher, Institute of Physics (IOP) for publishing the selected conference papers. We hope that the collection of the paper will be a valuable resource and will stimulate further research. Our highest appreciation also goes to the Reviewers, Editor and Advisory Boards who helped us maintain the high quality of manuscripts included in the Proceedings published by IOP. It is our pleasant duty to acknowledge the Directorate of Higher Education and Ministry of National Education for the budget support in INCITEST 2019.

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We are looking forward to the third INCITEST next year that will be held on July, 2020 at the campus of Universitas Komputer Indonesia, Bandung, Indonesia.

Thank you,

Best Regards,

Dr.Lia Warlina

The Chief of the Conference

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Accounting Application for Small Medium Enterprises

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Abstract. This paper aims to show the benefits of accounting applications for small and medium business enterprises (SMEs), as a means to shape entrepreneurs in managing business financial data, easily and safely because making financial data manually is a way that carries a high risk. The method used was a method of description that is by reviewing research that has been made before. The results of this study indicate the use of accounting applications that helps entrepreneurs in processing financial data easily, because it is done automatically and managed with real-time count. Unlike the manual recording that spends time only to register and calculate financial statements one by one. This result is observed in the way that employees do data management. Users of accounting applications are easy to record, calculate daily transactions. Whereas cafes that record manual data, they would spend a lot of time calculating their financial data one by one. The conclusion of the results of this study proves that the use of applications helps entrepreneurs in managing finances in an easy and reliable way.

1. Introduction

Financial Reports in the form of a report that informs financial statements in a company that is used to obtain managerial decisions that are beneficial for the company itself or for the investors who will give their capital [1]. SMEs are one form of entrepreneurship that supports the country's economy, like Indonesia, there are many SMEs that stand up to support the needs of the country. As Tambunan said, the important role of the existence of SMEs in Indonesia is increasingly felt in the process of national economic development in Indonesia. Initially, the existence of SMEs was seen as an important source in the creation of job opportunities and the main driving force of regional economic development in the countryside. However, in the current and future era of globalization, the role of MSMEs is increasingly significant as one of Indonesia's non-oil and gas export sources [2].

However, SMEs rarely do financial statement recording, due to the large number of SMEs that do not understand, and the lack of knowledge in recording these financial statements [3], and there are still many companies that do not understand the reporting of their company's profit and loss, so that more knowledge is needed about accounting for SMEs [4]. Gospel and Wheeler said that the use of accounting in the reporting of financial situations is needed in an entrepreneurship, therefore all aspects related to accounting software are very important and inseparable for the present age [5]. In choosing a software must consider all aspects, in accordance with the need of the company, so there is no excess usage which results in recording errors in the financial statements [6]. In the choice of accounting software, we must see the most important features that will be used later. The software used is not only one choice, so much that we can choose the device according to the company's needs [7]. Some examples of software such as MYOB and accurate are software that is often used by large companies. The following is included in the research by Breen, Sciulli, and Calvert they made research about MYOB [8], and Zahid, Murtaza,

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and Baloch research on cloud accounting [9]. However, the software is not very efficient when used on small-scale entrepreneurs such as SMEs, but that does not mean that it cannot be utilized at all, it's just that many features are not used very often. The benefits gained from the use of accounting software are to provide convenience for companies that use it, such as saving time, saving expert labor costs, and providing reports that are quite accurate and relevant [10,11].

The research, above only shows the use of computer accounting software only, now there are many gadgets accounting applications that are easier and less complicated in their use. My goal is to conduct this research to show the benefits of simple accounting applications in SMEs.

2. Method

The method used in this study is a descriptive method that is by reviewing research that has been done before, so we can compare accounting software with gadget-based accounting applications.

3. Results and Discussion

The benefits gained from the use of accounting software are to provide convenience for companies that use it, such as saving time, saving expert labour costs, and providing reports that are quite accurate and relevant [11]. To use a simple accounting recording application, SMEs entrepreneurs must register in the accounting application site by listing their business name, e-mail, telephone number, and providing a password at register menu (See Figure 1).

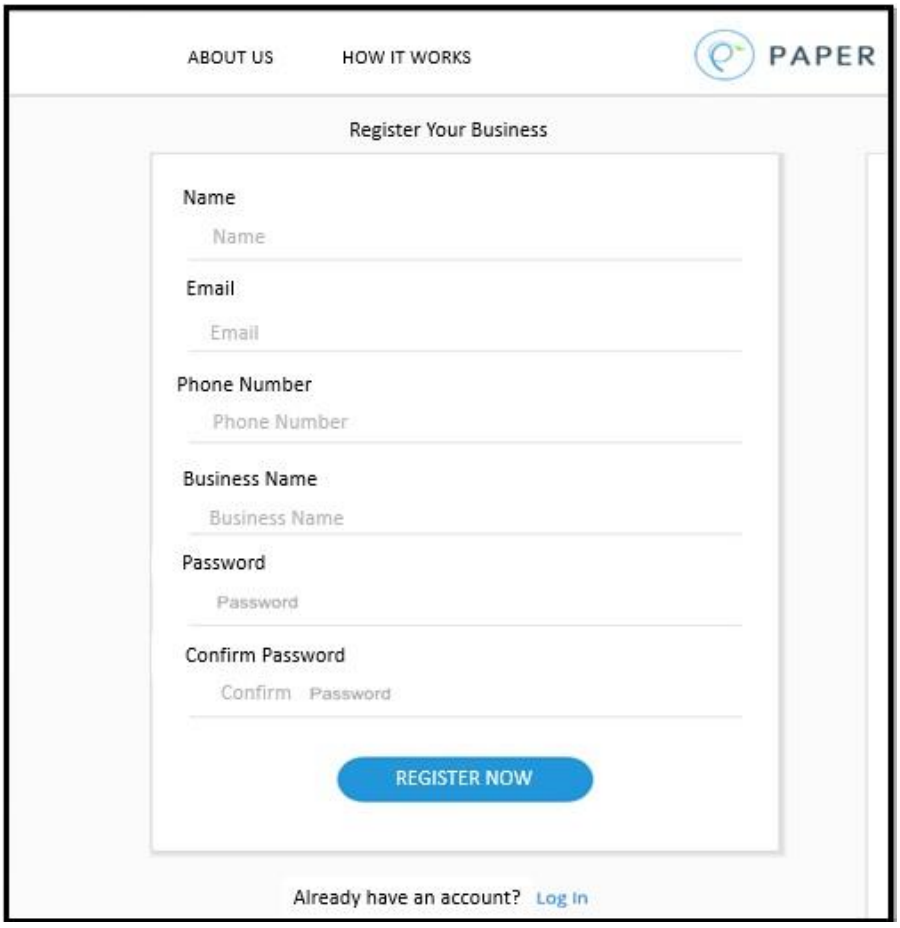

Figure 1. Register Menu. This figure was adopted from www.paper.id on October 23, 2018.

Figure 1 is the registration menu. The user must input about their company and personal data. After registering, users will be directed to the log-in menu to be able to access and process financial data by entering an e-mail address and password. To see the login page (see Figure 2).

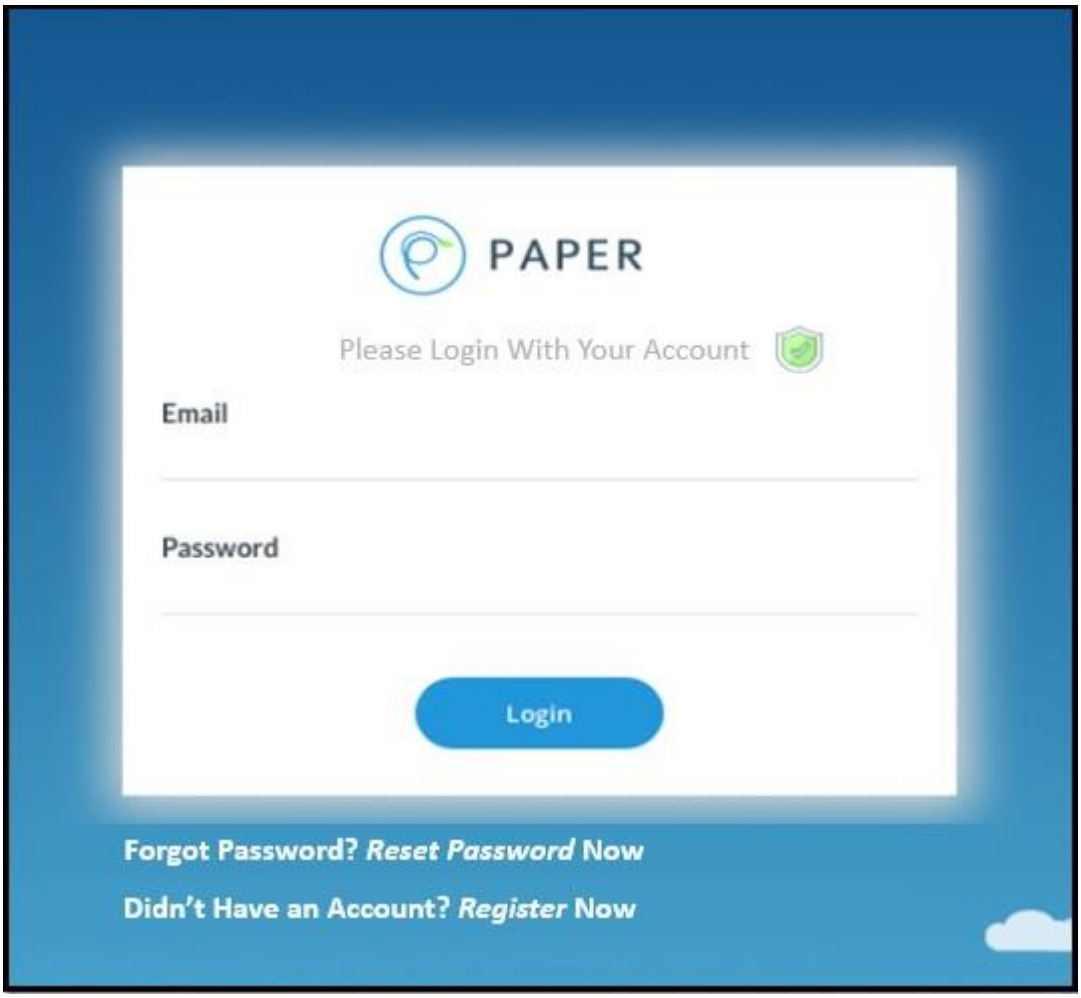

Figure 2. Login Page**.** This figure was adopted from www.paper.id on October 23, 2018.

Figure 2 displays the login page, before user enters the application, they must input their email and password. After logging in, users will be directed to the main menu where they can enter their business financial data and process their business data. In the main menu the entrepreneurs will be shown results and transactions per year and per month, the data can change automatically later. If the transaction data have been filled in, and the data needed by each entrepreneur. After that we could see the dashboard menu like in the figure below see Figure 3.

Figure 3. Dashboard. This figure was adopted from www.paper.id on October 23, 2018.

Figure 3 display dashboard menus and the picture above display income and outgo yearly. Another menu in dashboard menu is shown in Figure 4 below.

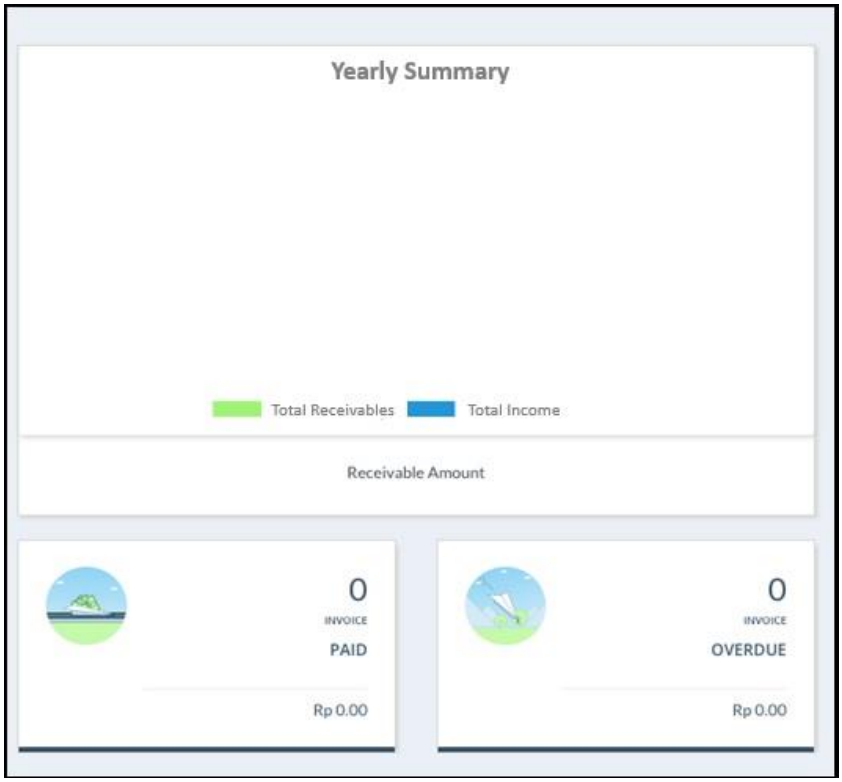

Figure 4. Dashboard. This figure was adopted from www.paper.id on October 23, 2018.

Figure 4 displays the dashboard menu and show the account receivable and an income. To see the status of invoice, you could see Figure 5 below.

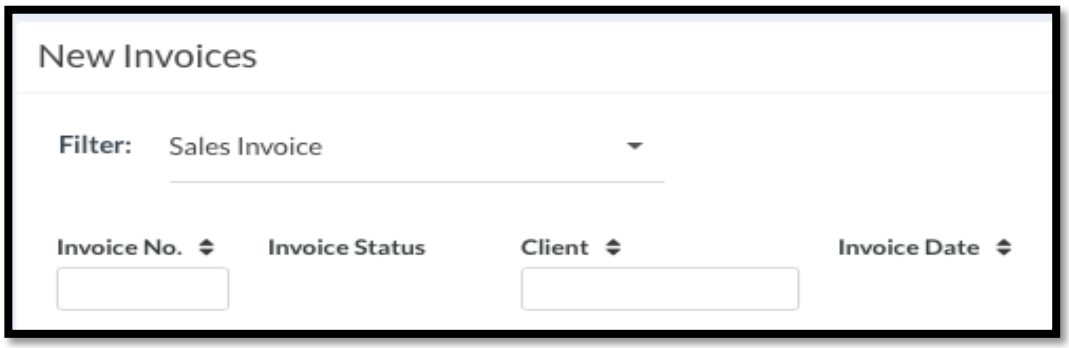

Figure 5. Dashboard Menu. This figure was adopted from www.paper.id on October 23, 2018.

Figure 5 dashboard menu show the invoice status, user willing to see all of the invoices, and create a new invoice. After that let's see partner menu as shown in Figure 6.

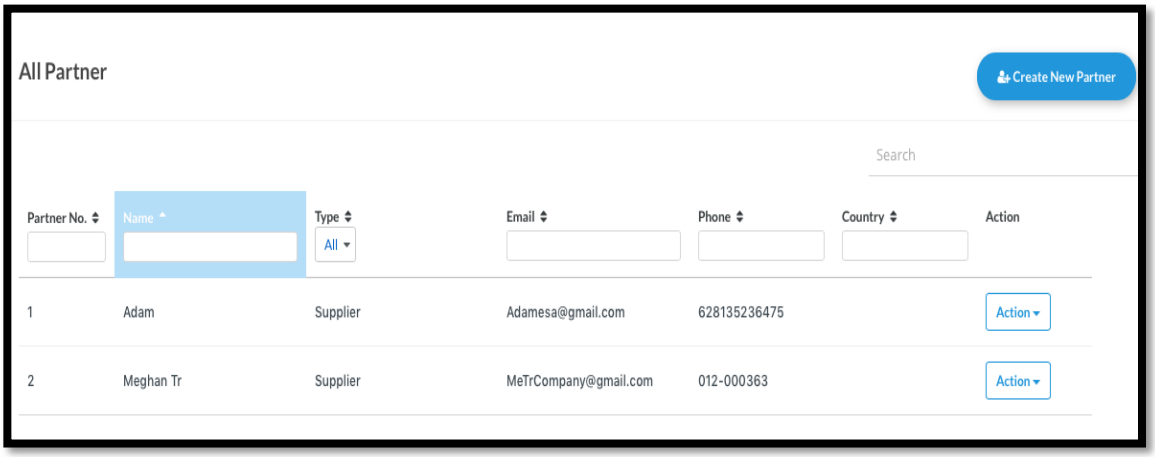

Figure 6. Partner**.** This figure was adopted from www.paper.id on October 23, 2018.

In Figure 6, we will see the partner menu. On the menu, we can fill our partners such as customers and suppliers, to find out data on invoices, orders, payments, and costs that we spend, which will be shown in the next menu. Furthermore, there are several sub-menus that are displayed, in the form of a menu that is useful for filling in data based on the specified data place so that users are not confused in filling out financial data. Next, we can see data in our finance account (see Figure 7).

Figure 7. Financial Account. This figure was adopted from www.paper.id on October 23, 2018.

Figure 7 displays contain data on expenditure, income, costs and expenses that must be paid. In Figure 8, we can see the accounting menu.

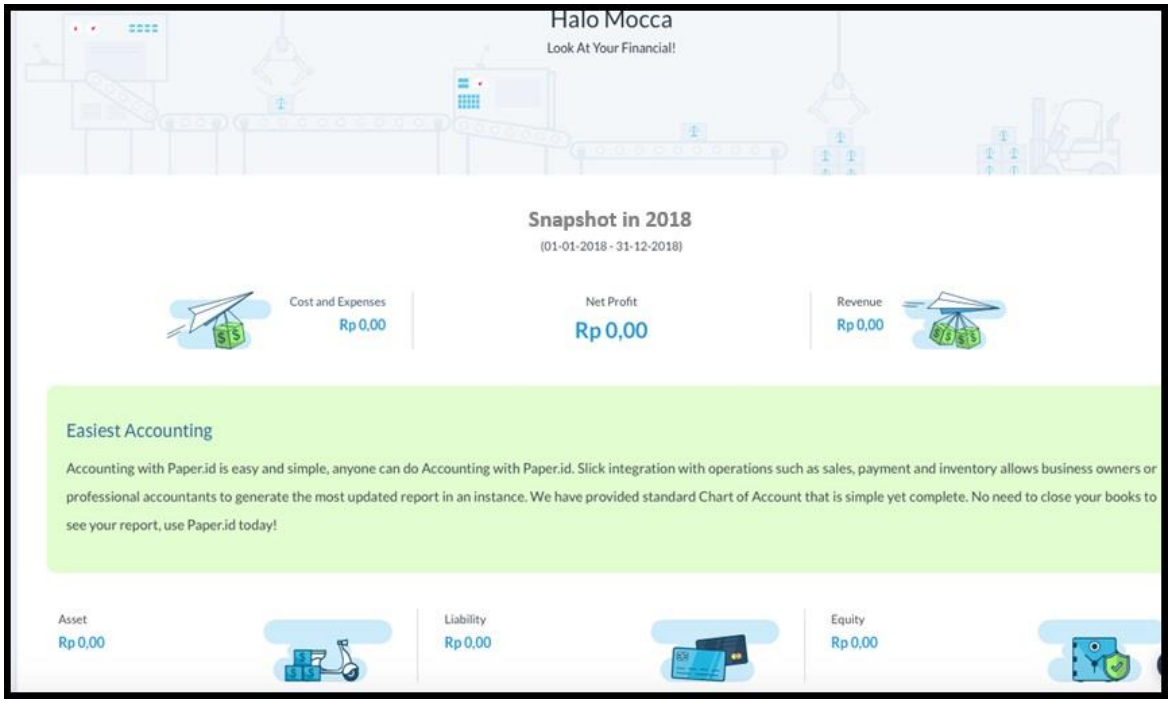

Figure 8. Accounting Menu. This figure was adopted from www.paper.id on October 23, 2018.

In the accounting menu at Figure 8 above, we can see data on asset data that we have, the obligations that must be paid and the remaining capital in an accounting period. In the accounting menu, we can see the journals which are automatically made by the application. Last, Figure 9 is showing reports menu.

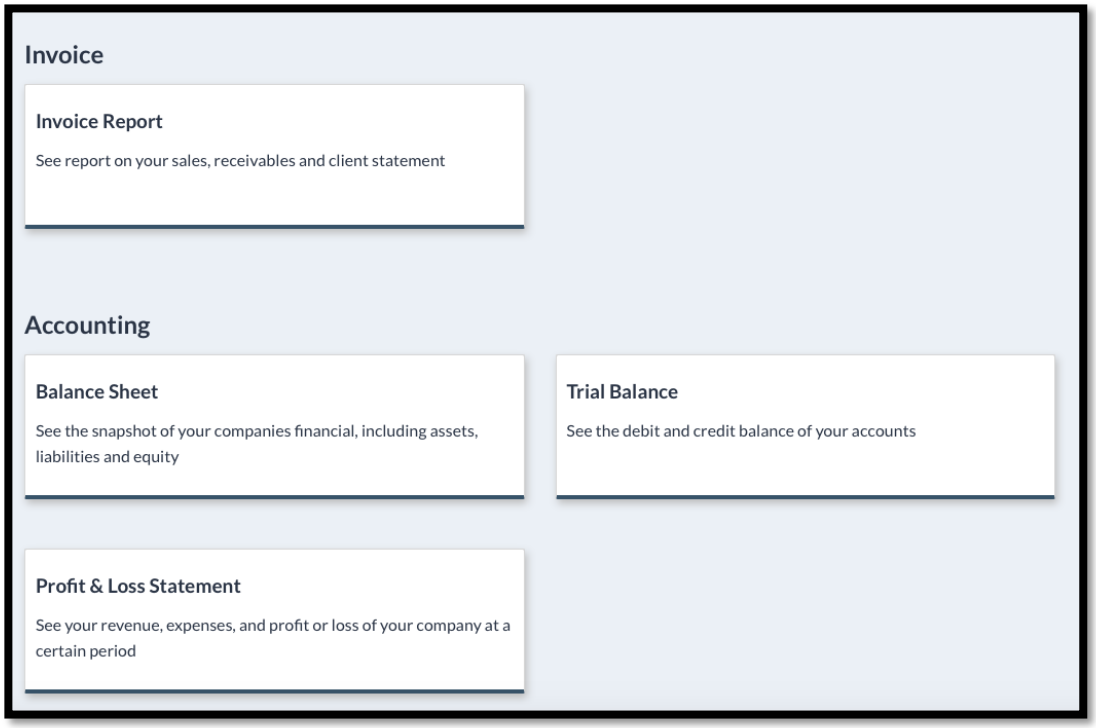

Figure 9. Reports Menu. This figure was adopted from www.paper.id on October 23, 2018.

Figure 9 report menus, we can see the results of the company's financial situation, and have been automatically recorded from the previous menu, such as transactions, stock and capital that we have. Which we can see before the workers report to us, so it doesn't waste time for the workers to make a report.

4. Conclusion

The concluison of this research are that by recording financial data, in the form of financial statements, does require a lot of time and effort. Through this accounting recording application, entrepreneurs do not need to spend a lot of time, they just have to fill in the data needed for their business ventures, record all transactions in a form that is light and easy to understand. Entrepreneurs can see their business development using only their gadgets anywhere and anytime, and can also save their business finances because they don't have to pay more an expert worker whose costs are quite expensive.

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