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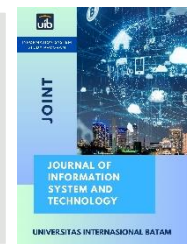
Implementation Of Cloud Computing Technology in MSME Booking System

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Abstract

MSMEs (Micro and Small and Medium Enterprises) have an important role now in the economy. 96% of companies in ASEAN are MSMEs. Although MSMEs have shown their role, they still face various obstacles and constraints such as lack of information, transaction record tech, weak branding, promotion and infrastructure. The application of information technology will certainly make it easier for MSMEs to strengthen branding, business processing and enable cooperation with other parties to provide added value to MSMEs. The application of cloud computing or cloud computing is considered suitable for MSMEs that have limited resources in the form of capital, human resources (HR) and information technology infrastructure. Responding to the importance of the application of information technology to these MSMEs, the research aims to design and build systems that can facilitate MSMEs by utilizing cloud computing technology with SAAS (software as a service). The system expectedly can produce the output which are the record of the transaction and its report for supporting the MSMEs business.
Keywords: MSMEs; transaction record; information technology; cloud computing

I. INTRODUCTION

Transaction sales is one of the most important thing for MSME because recording transaction have a very big influence on the income of the MSME. Most of the MSMEs still do it manually. Why? Because there are still many who say that because the business is small, there is no need to use the technology. In fact, recording transactions is very important, no matter how small the business is. With the manual method, a lot of fraud can occur. For example, it could be that the employee manipulate prices, the amount of stock, or even use supplies owned by the MSMEs for their own interests. Therefore,

supervision and accuracy are really needed in doing recording transaction so it was make sure that there is no mistake. With the development of technology, cloud computing is one of the solution to make it easy for MSME in doing recording transaction because it is more effective and efficient compared to write down the transaction manually.

II. PRELIMINARY

The application of information technology will certainly provide convenience to MSMEs. The government has issued Peraturan Pemerintah no. 23 tahun 2018 which regulates

the imposition of FINAL Income Tax (PPh) within a certain period of time for MSME business players who have a turnover of less than Rp. 4.8 billion a year. According to the explanation in the UMUM Section of PP No 23 tahun 2018: By paying attention to the results of the evaluation of the implementation of PP No. 46 tahun 2013, in order to provide convenience and simplicity for taxpayers in carrying out their tax obligations, the income from business received or obtained by taxpayers who have a certain gross circulation is subject to final income tax with a certain period of time.

The enactment of a certain period is intended as a learning period for taxpayers to be able to do book keeping before being subject to Income Tax under the general regime. Cloud computing technology is a solution that is expected to optimize the management of MSMEs. The application of cloud computing has high efficiency and effectiveness because all computing processes, software and infrastructure are done virtually without having to invest large capital for procurement. This technology is considered suitable for businesses that have limited resources, especially human resources and information technology infrastructure such as MSMEs that have limited resources in the form of capital, human resources (HR) and information technology infrastructure.

III. PROGRAM OFFERED

As a response to the problems faced by MSMEs, we have launched a simple book keeping application for MSMEs. Implementing the cloud in recording transactions by creating a transaction recording system for MSMEs that can record expenses, income and also create transaction reports to make it easier for MSMEs to see profit and loss.

IV. PROGRAM IMPLEMENTATION

How to Implement Cloud Computing into the MSME Book Keeping System? The Solution we offer is Using a Cloud Admin and Saas. Cloud admin as a service provider has access to log in and process MSME admin data. The MSME admin has access to log in, process sales data, and process MSME data.

E-commerce application in the form of software as a service (SaaS) is a model for delivering software applications by a software vendor that develops web applications that are designed and built with ready-to-use features to facilitate users via the Internet. This term has recently begun to be preferred by related industries as a substitute for the term application and on-demand service providers.

V. PROGRAM INFLUENCE

With the implementation of cloud technology in the MSME book keeping system, it is expected that the functions and features contained in the system can produce the output expected by the user. Because by utilizing existing technology, MSMEs no longer do manual book keeping which can help MSMEs to be more efficient and effective in carrying out book keeping and are easier to monitor profit and loss so that they can find out the fund allocation arrangements and also the book keeping reports needed by users are structured neatly so that users do not need to make reports manually anymore.

VI. CONCLUTION

Along with the development of technology, a business also needs a technological change. Likewise with the implementing cloud technology on MSMEs will greatly help MSMEs to be more effective and efficient, which no longer requires manual book keeping and will reduce the risk of incompatibilities in the number of transactions with existing books. In addition, including technology in the business will also make the business more developed following current developments.

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