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Implementation of PC Replacement to Vcloudpoint Products to Support Space Effectiveness and Efficiency

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Abstract

Technological developments in the workplace today focus not only on computer speed, but also on how the technology can make the workspace tidier and more efficient. This paper discusses the implementation of PC replacement with VCloudPoint products to support the effectiveness and efficiency of space at PT Lima Benua Koneksindo. As a company that provides VCloudPoint solutions, PT Lima Benua Koneksindo applies this technology comprehensively to all operational computers in its office. The method used in this study is descriptive qualitative. Data were collected through direct observation during the internship and interviews with staff in the office administration department. The results of this study indicate that the use of VCloudPoint (zero client) on all office computers is very successful in saving work desk space because it no longer requires a large conventional CPU. In addition to making work desks in all divisions more spacious, the removal of this CPU also reduces the problem of messy cables, and eliminates heat and fan noise in the office space. This tidier, quieter, and more comfortable room condition has been proven to help office operational activities become more focused and effective, including in completing the daily tasks of the student intern administration department. In conclusion, the comprehensive implementation of VCloudPoint in the internal environment has been proven to have a very positive impact on space efficiency and work comfort.

Keywords: VCloudPoint, PT Lima Benua Koneksindo, PC Replacement, Space Efficiency, Office Administration

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INTRODUCTION

In today's digital era, companies are required to work quickly, effectively, and efficiently. However, efficiency in the office is not only determined by the systems or software used, but also by the physical layout of the workspace. A neat, clean, and spacious desk can psychologically make employees feel more comfortable, less stressed, and more focused on completing their daily tasks. Therefore, the selection of technological devices in the office must be carefully considered to avoid making the space feel crowded and cramped, especially for companies with high work mobility.

PT Lima Benua Koneksindo is an IT infrastructure solutions provider focused on efficient computing technology, one of which is as the official provider of the VCloudPoint (zero client) product. As a company that sells IT efficiency solutions to the public, PT Lima Benua Koneksindo took a strategic step by implementing this technology comprehensively on all operational computers in their own offices. This full-scale implementation not only serves as a work facility, but also serves as a tangible proof (role model) of product efficiency for anyone who visits their office. This comprehensive implementation certainly has a direct impact on the entire office work ecosystem, including the administration department which is responsible for managing all internal data circulation, typing meeting minutes, and managing the administration and files of the growing number of intern students.

Before the system was fully implemented, a common obstacle encountered in the workplace was the use of conventional PCs (Personal Computers) with large CPUs on each employee's desk. The presence of these numerous CPUs took up a lot of desk space, leaving limited room for student interns to store documents. Besides making the desks feel cramped, the numerous PC cables from each division also made the space look cluttered. Another problem was the accumulation of fan circulation from the many conventional CPUs, which generated heat and noise in the office, which could disrupt staff's concentration when they needed to focus on their tasks.

As a concrete demonstration of its product implementation, PT Lima Benua Koneksindo has replaced all conventional PCs in the office with VCloudPoint. The VCloudPoint device is pocket-sized and can be attached directly to the back of the monitor, eliminating the need for a separate CPU on or under the desk, as all data processing is redirected to a central server. As a result, all work desks in the office are more spacious, there are no more messy cables in each division, and heat or noise from the CPU can be eliminated from the room.

Based on direct experience during an internship in the administration department of PT Lima Benua Koneksindo, the technology transition implemented on all office computers has had

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a very real and interesting impact on the physical environment and is interesting to study. The company's steps in implementing its own products throughout the work area have proven to provide direct benefits that are felt by staff and interns in their daily work. Therefore, this journal article was created to explain how the implementation of replacing PCs with VCloudPoint products supports the effectiveness and efficiency of the workspace at PT Lima Benua Koneksindo.

RESEARCH METHODS

This research uses a qualitative descriptive approach. This approach was chosen because this study aims to understand and describe in-depth phenomena regarding the impact of changes in technological infrastructure on office workspaces. Using descriptive methods, the author describes and explains the condition of office layout, level of tidiness, and staff work comfort after the implementation of VCloudPoint at PT Lima Benua Koneksindo. This study does not use complex statistical calculations, but rather focuses on presenting real-life facts and conditions encountered during the internship.

A qualitative descriptive approach was deemed appropriate because it allowed the authors to obtain a more comprehensive picture of the changes that occurred after the technology was implemented. In addition to observing the physical conditions of the work environment, this approach also allowed the authors to understand users' experiences and perceptions of the technology used in their daily operations. Thus, the research results not only describe the physical conditions but also demonstrate the impacts directly felt by users.

This research was conducted at PT Lima Benua Koneksindo, located at Jalan Raya Panjang Jiwo 48/B-18 Surabaya. The research activities were conducted during the internship period, from January to May 2026. Observations were made in the office work environment that uses VCloudPoint devices as a replacement for conventional computers, particularly in the administration area where the internship took place.

The data used in this study consists of primary and secondary data. Primary data was obtained through direct observation of workspace conditions and interviews with administrative staff and VCloudPoint users. Meanwhile, secondary data was obtained from company documents, activity documentation, company profiles, and various references relevant to the research topic.

Data collection techniques included participant observation, structured interviews, and documentation. Participant observation involved directly observing work activities within the office environment. Interviews were conducted with administrative staff and several

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VCloudPoint device users to obtain information on the benefits and impacts of using this technology. Administrative documentation was collected by collecting photographs of workspace conditions, administrative documents, and various other supporting data related to the research.

The collected data was then analyzed using the Miles and Huberman data analysis model, which consists of three stages: data reduction, data presentation, and conclusion drawing. In the data reduction stage, the author selected and focused on data relevant to the research objectives. Next, the data was presented in a systematic, descriptive manner for ease of understanding. The final stage was drawing conclusions based on the analysis results to answer the research problem formulation.

RESULTS AND DISCUSSION

1. Implementation of VCloudPoint in Supporting Workspace Efficiency

Based on observations during an internship at PT Lima Benua Koneksindo, all computers used in the company's operations are equipped with VCloudPoint devices. This device is one way technology can support employee work activities, particularly in the administration department.

Based on interviews with company staff, before using VCloudPoint, the company was still using conventional computers equipped with CPUs on each desk. These CPUs required significant space, limiting workspace. Furthermore, the sheer number of devices used also led to messy cable management.

After using VCloudPoint, the workspace appears more organized because the devices are smaller and mounted behind the monitor. This allows for optimal desk utilization to support daily administrative activities.

During the internship, the author observed that the administrative work area had ample space for various documents, stationery, and other work equipment. This facilitated staff in performing various administrative tasks involving multiple documents simultaneously. Furthermore, the more spacious work desks also made work more comfortable.

Using VCloudPoint also improves the tidiness of the work environment. Fewer cables are used compared to conventional computers, resulting in a cleaner and more organized work area. This tidiness not only makes the room more comfortable but also makes it easier for staff to maintain a clean work area.

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Beyond the layout, the use of VCloudPoint also contributes to workplace comfort. Observations indicate that the work environment in the administration department feels quieter due to the absence of CPU fan noise, which is common on conventional computers. This helps create a more comfortable work environment for employees in carrying out their daily activities.

Based on observations and interviews, it was found that using VCloudPoint provides benefits in creating a tidier, more comfortable, and more efficient workspace. This is one of the factors that supports the smooth implementation of administrative work in the company.

2. The Impact of Space Efficiency on Administrative Work Effectiveness

A comfortable and organized work environment impacts the performance of administrative tasks. Observations during the internship revealed that a neater and more organized workspace helps staff better perform various administrative tasks.

One of the activities the author undertook during her internship was compiling meeting minutes. This activity required precision and concentration, as all meeting discussions had to be accurately recorded for company documentation. During the process of compiling minutes, a comfortable work environment was crucial for smooth work flow.

A spacious work area allows the writer to place supporting documents, meeting notes, and work equipment simultaneously without disrupting the main workspace. Furthermore, a quiet work environment also helps improve focus when compiling meeting minutes into a systematic document.

In addition to preparing minutes, administrative tasks for interns are also part of the internship process. These include managing internship application letters, acceptance letters, attendance records, activity reports, and various other administrative documents.

Based on observations, a well-organized workspace facilitates the process of grouping and storing documents. Files currently being processed can be arranged more neatly, making it easier to find them when needed. This helps streamline daily administrative tasks.

Interviews with administrative staff revealed that using VCloudPoint provides a more comfortable work environment, allowing for a more spacious work area and eliminating the need for bulky computers. According to staff, this allows for more organized work and simplifies the management of various company documents.

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From a Human Resource Management perspective, a comfortable work environment can support employee effectiveness. An organized work environment helps employees focus better and reduces distractions during their work. This is consistent with the conditions observed during an internship at PT Lima Benua Koneksindo.

Based on observations and interviews, it can be concluded that the use of VCloudPoint not only provides benefits in terms of workspace efficiency but also supports the effectiveness of administrative work. A more comfortable and organized work environment helps staff complete work more orderly and effectively.

3. Analysis of VCloudPoint Implementation in the Work Environment

Based on research conducted, the use of VCloudPoint at PT Lima Benua Koneksindo demonstrates that technology can have a positive impact on the work environment. The perceived benefits extend beyond the use of work equipment to the comfort and effectiveness of daily work.

From a Human Resource Management perspective, the work environment is one factor that can influence employee performance. A comfortable and organized work environment can help employees focus and support a conducive work environment.

Observations indicate that using VCloudPoint helps create a tidier and more organized workspace. Interviews also indicated that staff benefit from a more comfortable workspace and easier administrative tasks.

Thus, the implementation of VCloudPoint at PT Lima Benua Koneksindo can be said to support workspace efficiency while also helping to create a work environment that supports the effectiveness of administrative tasks. From an HR perspective, this is a plus because a positive work environment can help employees perform their jobs more optimally.

Workbench Documentation After Using VCloudPoint Products:



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CONCLUSION

Based on observations, interviews, and documentation conducted during an internship at PT Lima Benua Koneksindo, it can be concluded that implementing VCloudPoint as a replacement for conventional computers provides benefits in supporting efficient workspace utilization. The use of a more compact device compared to a conventional CPU allows for a more organized, neat, and comfortable work area for daily operational activities.

Based on interviews with company staff, the use of VCloudPoint also helps reduce desk space and facilitates better organization of work equipment. Meanwhile, observations indicate that a more organized workspace facilitates various administrative tasks, such as preparing meeting minutes, managing internships, filing documents, and other administrative tasks.

From a Human Resource Management perspective, a comfortable and organized work environment is one factor that can support employee effectiveness. The implementation of VCloudPoint not only provides information technology benefits but also contributes to creating a more conducive work environment, helping employees better carry out their duties and responsibilities.

Thus, the implementation of VCloudPoint at PT Lima Benua Koneksindo can be said to support the effectiveness and efficiency of the workspace and positively impact administrative work. The results of this study indicate that utilizing appropriate technology can be one way for companies to create a work environment that supports human resource performance and productivity.

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