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Analysis of Technology Acceptance (pedulilindungi) as Citizens Health in Kelurahan Air Hitam of Samarinda City

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ABSTRACT / ABSTRAK

The Peduli Lindungi application is an application designed as health information that was launched during the Covid 19 pandemic. This study aims to analyze the acceptance of the application technology of care to protect as citizens of health in the Black water of Samarinda City. Research methods used by quantitative types of research with a cross-sectional study approach. The population and samples were all residents in the Bersama complex in the black water village who used the peduli lindungi app as many as 60 people. The acceptance of the Peduli Lindungi application is quite accepted by the public due to the urgency of use and the transformation from a change in community behavior to a digital society so that in the future the development of the peduli lindungi application will be very useful as a digital public health information center.

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1. INTRODUCTION

Information technology, which is known as a combination of information technology and communication technology, is the result of people's needs in the information age. The form of information technology is characterized by the emergence of the internet as a comprehensive communication and information network. The establishment of IT has become part of all industries, especially healthcare today. IT has important functions of collecting, processing, generation, storing, retrieval, and disseminating information to improve work efficiency, consistency, and accuracy.

Information technology plays an important role in the development of the healthcare industry. In recent years, there have been many innovations and developments in the field of information technology that help improve the quality of health services and facilitate access to information about health for the public. One example is Electronic Health Records (EHRs), which is currently also an example such as the peduli lindungi application, which is an electronic system that stores and manages patient health data in an integrated manner. It helps doctors and nurses to monitor the patient's progress easily and make appropriate diagnoses.

Mobile apps and devices are also widely used in the healthcare industry. There are many apps that help patients monitor their own health conditions, such as recording daily meals and exercises, or monitoring stress levels. Health monitoring also plays an important role in the development of health information technology. Tools such as heart rate monitors, blood sugar level monitors, and sleep quality monitors help patients to monitor their health condition constantly.

Robotics and artificial intelligence also have great potential to help in the healthcare industry. For example, robots can be used to perform hospital tasks such as helping patients move or assisting medical personnel in performing medical procedures. Overall, the development of information technology has the potential to provide great benefits for the health industry, help improve the quality of health services and facilitate access to information about health for the public. However, it is important to remember that technology must be used wisely and in combination with good clinical practice to provide optimal results.

The purpose of the PeduliLindung program is to track contact history and deliver notifications in areas infected with Covid-19. The Minister of Communication and Informatics explained that currently the total users of the PeduliLindung application are 4,025,861 people with a good rating that is included in the user friendly category. TAM is used to learn and understand consumer behavior in handling information. TAM proposed by Davis is a basic theory for studying and understanding user behavior in adopting and using information systems. Based on the above submission, the title "User Behavior Analysis of the PeduliLindung Application Using the Technology Acceptance Model (TAM) Framework" was chosen based on the government's efforts to force Indonesian citizens to have the PeduliLindung application on their personal phones. equipment such as media and medical information center Covid-19.

The changes in digital society in Indonesia are very pronounced after the emergence of the Covid 19 virus in Indonesia. The change in people's lives has transformed from conventional behavior to a digital society that makes it easier for everyone to access anything. In response to the changes / transformations of society,

this research seeks to assess the public's acceptance of application technology to protect the Black Water village in Samarinda City.

2. MATERIALS AND METHOD

This type of research is quantitative research with a cross-sectional study approach. The population and samples were all residents in the Bersama complex in the black water village who used the peduli lindungi app as many as 60 people. Data collection used research questionnaires distributed to respondents. Data analysis uses descriptive analysis to explain the analysis of the acceptance of application technology as citizens of health.

3. RESULTS AND DISCUSSION

The Pedulilindungi application is an application product developed in collaboration between the Ministry of Communication and Informatics and PT. Telkom Indonesia. Before releasing the Peduli Lindungi application, the Ministry of Communication and Informatics released a similar application called "TraceTogether" in March 2020. However, the use of the TraceTogether app did not last long after its release due to the similarity of names and working on the app created in Singapore.

Peduli Lindungi is a list of tracking programs developed by the Indonesian government to help relevant agencies monitor the spread of coronavirus disease (Covid-19). This program relies on community participation to share location information with each other while traveling to trace the contact history of Covid-19 patients. This application relies on community participation to share location information when traveling, so the history of PeduliLindungi records a tracking program developed by the Indonesian government to help relevant agencies monitor the spread of the corona virus (Covid-19). This program relies on community participation to share location information with each other while traveling to trace the contact history of Covid-19 patients. This program relies on community participation to share information about a place to trace history while traveling.

Table 1. Distribution of Respondents to The Acceptance of Technology Caresfor Lindungi As *Citizen Of Health* In Samarinda Ulu District

Community Acceptance Model	Sum	
	n	%
Ease of Use		
Enough	42	70
Less	18	30
Total	60	100
Usefulness of Information		
Enough	40	67
Less	20	33
Total	60	100
Application		

Enough	47	78
Less	13	22
Total	60	100
User Conduct		
Enough	39	65
Less	21	35
Total	60	100

Based on the results of data collection from the results of the analysis of the acceptance of PeduliLindungi technology in samarinda ulu village, it is known that there are four variables which are technology acceptance models (Technology Acceptance Models) invented by Fred Davis and Richard Bagozzi in 1989. TAM is one of several models used to understand how and why individuals receive and use information technology. The model focuses on two main factors, perceived usefulness and perceived ease of use, and shows how these two factors influence the intention to use the technology. This model also helps to understand how factors such as social, environmental, and cultural can influence the acceptance of technology (Primahadhiputra, 2021)

Ease of Use of PeduliLindungi in the category is sufficient (70%), the usefulness of PeduliLindungi information in the category is sufficient (67%), the application of PeduliLindungi in the category is sufficient (78%), the behavior of PeduliLindungi users in the category is sufficient (65%). The ease of use is known through the easy access to the application to be used at any time, especially the integration of the peduli lindungi application on several digital platforms such as in ecommerce applications so that it makes it easier for users to access it, the main thing is about the display care protect where some users have felt the ease of display which is user friendly As for those who feel less about the ease of the peduli lindungi application also has certain reasons such as factors understanding of technology or the intent of the images or writings displayed on the application. Research conducted by Rachim, N. A. (2021) the ease of application should continue to be improved considering the number of users who are increasing every day in all age groups

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4. CONCLUSION

The acceptance of the Peduli Lindungi application is quite accepted by the public due to the urgency of use and the transformation from a change in community behavior to a digital society so that in the future the development of the peduli lindungi application will be very useful as a digital public health information center. The suggestion to become a citizen of health application certainly has its own challenges, including user data security issues that during the study were complained about so that researchers suggested that the use of databases needs to be managed independently with a high level of security.

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