Implementation Of A Satpam Hebat Application Based On Smartphone

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ABSTRACT

Security guards as a form of concern from the company to assist the function of the National Police as security personnel to carry out security in the company so that they can run their business or business smoothly without any obstacles and obstacles from all situations and conditions that can harm the company, but the current condition of the data collection process The security guard in the South Sumatra region has not been fully integrated by the South Sumatra Regional Police so that the coordination and communication process between the security guard and the police has not run optimally. The purpose of this research is to improve the evaluation and monitoring of security guards in the area of South Sumatra by using information technology. The research uses the SDLC system development method. The results of improving communication and coordination using the Great Security Guard application have gone very well, it can be seen that data collection and supervision of security guards in the South Sumatra region can be found properly. The conclusion of the Great Security Guard application as an innovation in the use of information technology and to monitor security guards in helping to minimize crimes that occur, Great Security Security also provides visualization in the form of digitally mapping the position of security guards (geolocation), this aims to determine the position of the security guard who is on duty..

Keywords:
Innovation, Security, Smartphone, Technology.

1. Introduction

The progress of a nation will be assessed from its circumstances, security conditions as one of the major circumstances, its security factor is a very impressive stance as a benchmark to help change different events, even every strategy of a nation will continue to be closely related to existing and existing conditions. environment (Octaviarini et al., 2021).

Security is the key in every implementation of improvements that will be carried out, if security helps the implementation of the economy and repairs will run too, carried out quickly and on time following what is regulated (Rahman et al., 2016).

Starting from the expectations of the Indonesian government in expecting domestic security. To create a sense of security in the eyes of the public (Ramdhani, 2017), the ability of the National Police becomes a benchmark for security in the local climate, with the aim that the task of the Police is expected to further develop extraordinary skills in every police officer in the area. Central and Regional levels as regulated in Law of the Republic of Indonesia Number 2 of 2002 concerning the State Police of the Republic of Indonesia.

Security in the eyes of the public is not only the task of the police, but all levels of society play a role and offer a very big role to make the nearby security climate, this cooperation is very important for the area itself, in that case, it is followed from the obstacles the police can not have a choice to serve every task that is their commitment regardless of the number of police officers who do not have the option to serve every business turns into their obligation, when viewed from the vast territory of the Indonesian state and consists of thousands of islands coupled with the population in Indonesia which continues to grow from one year after year while the number of police officers is not relative to circumstances (Shahputra & Kristiana, 2021).

Security is very important in the field of business or business in State Enterprises as well, privately owned businesses expect and maintain security in their business areas, and organizations have taken steps to complete the registration and arrangement of security officers. Security officers are leaders in the organization so no irritation will hinder the organization's presence in carrying out business fields, both
The security guard is a security force unit that is in the midst of the community as well as in the company environment to assist the role of Polri functions in the place where the security guard works; in Companies, Housing, Shops, Hospitals, Hospitals, and other places, to maintain public order and security to avoid any disturbances in the kamtibmas. The presence of security guards is very important assistance and participation from the participation of the community to participate in maintaining security to create a sense of security in their environment (Martínez et al., 2017).

Security guards as a form of concern from the company to assist the function of the Police as security personnel to carry out security in the company so that they can run their business or business smoothly without any obstacles and obstacles from all situations and conditions that can harm the company, the presence of security guards in the company very important and very prioritized as the spearhead of the company to support all activities in the company, both general in nature; maintain within the company environment, maintain order in the company's workers/labor, supervise the company’s vital tools, as well as those of special nature; accompanying company officers to collect or deliver money to or from the Bank.

However, the current condition of the security data collection process in the South Sumatra region has not been maximally integrated by the South Sumatra regional police so the coordination and communication process between the security guard and the police have not gone well, this is especially true if the security guard has problems in the field when carrying out the guard service, reporting received by the police still takes a long time (Samudi, 2015). Therefore, good innovation is needed so that the problems of security guards when on duty in the field can be overcome as early as possible, one of which is improving communication (Alviyansyah & Ramadhani, 2021). The implementation of the Great Security Guard application is used as an innovation in collecting data and monitoring security guards throughout the South Sumatra region.

2. Methodology

Application design refers to the system development life cycle which is often called SDLC (Systems Development Life Cycle), in systems engineering and software engineering is the process of creating and changing systems as well as the models and methodologies used to develop the system. This concept generally refers to a computer or information system. SDLC or Software Development Life Cycle or often called the System Development Life Cycle is the process of developing or changing a software system by using models and methodologies in developing the system. The stages in the SDLC are in the picture.

Figure 1 System Development Method

a. Planning Develops a project management plan and other planning documents.

b. Analysis of requirements (requirements analysis) Analyze the needs of users of the software system (users) and develop user requirements. Create functional documents.

c. System Design Stage (System Design) At this stage the system analysis has got an overview of the system that will be made. Transforming detailed requirements into complete requirements, system design documents focus on how to fulfill the required functions.

d. System Implementation (Implementation System) Includes implementation preparation, software
implementation in the user environment, and carrying out the resolution of problems identified from the integration and testing phase. At this stage, the system is ready to operate.

Research Stages Based on the SDLC reference, this research method uses the Prototyping Model with the following stages:

![Research Framework Diagram]

- **Study Literature** Exploring the literature related to research both theories and concepts, by looking for references that are relevant to research cases from books, journals, research report articles, internet.
- **Data Collection** The process of collecting data and measuring information about the targeted variables of this research, such as data collection.
- **Analysis of needs problems** At this stage of problem analysis, several methods are carried out including descriptive methods, in this method data collection is carried out, compiled and grouped, analyzed, and provides an overview of the research problem. So from the analysis of the problem, the data is drawn to a conclusion to get a solution to the problem.
- **Design and Development of Applications** The design stage is the process of making a design framework using a model or design tool and then translating it into an application form by utilizing a programming language.
- **Testing and Implementation** of the program At this stage, testing of Satpam Hebat application that has been built is carried out by conducting several tests and evaluations with the application that is made and can be implemented.

### 3. Result and Discussion

#### 3.1 Result

The results of the research that have been carried out are based on the stage that refers to the research framework by conducting a literature study first to find out the problems that occur as well as previous research that is relevant to the research process to be carried out. Furthermore, the data collection process is carried out as an effort to collect information on the study to be carried out, it can be seen that in the South Sumatera area, security guard data collection in all agencies is still not optimal so the process of coordinating and supervising security guards is difficult, especially many members of the security guard who do not have a security card member.

Collecting data through field observations so that the data process obtained becomes valid, can be seen in the condition that the number of security guards on duty is not on the police side.

The process of implementing a great security guard application as a means to collect data on all security guards in the south Sumatera region to coordinate optimally by the police is an opportunity so that actions and elements of a crime when security guards carry out their duties can be detected as early as possible, in addition to the presence of The great security guard application can help all
security guards have a member card, the registration process for the great security application can be accessed through the www.satpamhebat.com page with the main screen shown in Figure 1.

Based on Figure 1. You can see the main screen of the great security guard application with several menu features including user instructions, about applications, downloading applications, and registering to become members.

So that the application can be used on a smartphone, the user can use the application download feature, then to get a security guard identity number, you must register by completing several files such as your identity.

The implementation of the great security guard application has been designed with several indicators so that users can easily use the application with some simple, visible, and innovative indicators as shown in Figure 2.

The great security application provides much easy access for security guards including managing membership cards (KTA), an extension of KTA, and completeness of administrative files that can be done online. With the great security guard application, it provides visualization by mapping the position of the security guard while on duty digitally which aims to find out the position of the security guard who is on duty, in the hope of helping minimize crimes that occur within the company or the place of the security guard. The profile of a great security guard is shown in Figure 4.
Figure 3.3 Great Security Guard Application Profile

Based on Figure 3.3, it can be seen that the initial idea of innovation for the reformer of the great security guard application was inspired by the president's speech at the opening of the 2018 national security services industry conference, where the great security guard has the functions and duties as the front guard to maintain and protect the work environment, both shops, offices, residential areas, housing, industrial premises, and so on, the application of a great security guard is to help increase performance productivity quickly and precisely.

3.2 Discussion

Based on the implementation of the great security guard application, it is felt by the user that the presence of the great security application is very helpful for security guards in coordinating with police officers, besides that with the great security application the process of submitting a membership card extension, as well as new member registration can be done only using the application, This has an impact on the ease of mobility in registering for new members.

The concept of a very good application supports the process of monitoring security guards who are on duty at the work site. This is one of the advantages of using a great security application, the police are very easy to monitor and detect security guards in carrying out their duties through the geolocation feature.

The great security guard application is very helpful in collecting data on all security guards in the South Sumatra region, with this condition it is expected that all security guards have a member card as an official identity.

4. Conclusion

The implementation of the great security guard application that has been carried out can be concluded as follows:
1. Great Security Security provides convenience for every security guard who wants to do online KTA extension, registration, and other administrative processes.
2. Great Security Guard also provides visualization in the form of digital security mapping (geolocation), which aims to determine the position of the security guard who is on duty.
3. Monitoring security guards through smartphones is expected to help minimize crimes that occur in the company and residential environment.

References


