Development of an Information System for Reporting Violations of Norms and Law in a Boarding House in Pabelan

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Abstract

Data 2022 shows that the total number of UMS students is 36,712 students. With such a number, the impact on the high demand for temporary housing (kos). With this large number of boarding houses, violations of social rules and norms are also high. Based on this, this community service aims to develop an information system that makes it easier for members of the public to report violations. The methods used in this activity are situation analysis, system creation, socialization, and system handover. The results of the activity show that community service activities are going well with the main indicator, namely the information system has been successfully created and socialized to residents and the UMS Disciplinary Team. However, for its implementation, further coordination is still needed with Bagmawa UMS, as well as improving the system according to needs.

1. Introduction

Surakarta is one of the reference cities for continuing education at the college level, besides Yogyakarta and Semarang. In 2018 there were 36 levels of higher education in various categories starting from universities (10); institutes (2); high schools (11); academies (10); as well as polytechnics (3). The total number of students is 110,962, of which 81,744 are at the university level (Thama, 2020). Such data shows that public interest in continuing their studies in Surakarta is quite high.

One of the institutions that is the main destination for both parents and prospective students is the Universitas Muhammadiyah Surakarta (UMS). The campus, which was established in 1958, annually accepts at least 9,000 new students. Overall, data for 2022 shows that there are 36,712 active students at UMS, meaning that almost 30% of students in the Surakarta area are UMS students (UMS, 2023).

With such data, the need for temporary housing while studying is very primary. Temporary housing, commonly known as a boarding house, is a room that is rented at an

agreed time and has several functions, ranging from temporary housing to a place to study or rest (Hartono & Gianawati, 2013). The results of a study conducted by Hajar et al identified the reasons that were considered by students to choose boarding houses, namely: environment, costs, security and services provided (Paruntu et al., 2021).

The number of UMS students is directly proportional to the number of existing boarding houses. With this large number of boarding houses, the potential for violations of social rules and norms is also high. It can be said that the boarding house environment is one of the areas prone to violations of order and security. One of the areas adjacent to UMS is Pabelan Village. In that area, it is quite dense with UMS student boarding houses and there are frequent cases of violations of order and theft. However, not all violations that occur in the boarding house environment are reported to the UMS' disciplinary team.

The Kartasura Police, in 2014, after receiving reports from the public, interrogation 8 unofficial couples who were in a boarding house in the UMS area. A total of 16 people who were arrested, still holding student status, were taken to the sectoral police for data collection. The authorities raided this young couple after receiving reports from residents around the boarding house.

Apart from that, in 2014, UMS students were also caught committing immoral acts in boarding houses. During the raid, one of the perpetrators tried to hide his friend by closing and locking the room from the outside. Worse, when the process of extracting information, what is done by the perpetrators is not the first time. In fact, he added that what he did was normal and was also done by other students (Astuti, 2014).

In the process of handling these violations, so far the community has taken settlement actions independently. The procedure was carried out starting with receiving information, monitoring the location, and continuing with the raid. However, not all cases of these violations were accepted by the UMS Disciplinary Team and only stopped at a settlement within the community. This happened because the community found it difficult to report incidents of violations to the campus.

Some of the cases above show that the Rukun Warga (RW) and Rukun Tetangga (RT) are the first to know and handle when there are violations of order and security around the boarding houses. Fast and accurate reporting of incidents to the authorities (Police and the UMS Disciplinary Team) is also an important factor in the accuracy and speed of handling cases that do occur. Therefore, the role of residents around the boarding house environment is very important in improving order and security of the boarding house environment.

Based on the situation analysis described above, the partner's problem is that there are obstacles in handling violations of order and security in the boarding house environment around the UMS campus. Thus, the solution offered in this activity is the development of an information system for handling violations of order and security for boarding houses around the UMS campus.

2. Methods of Implementation

To achieve the goals that have been set, there are several stages carried out by the executor in collaboration with partners, namely the administrators of RW IV, Pabelan Village, Kartasura and also the UMS Student Affairs Division as the beneficiaries of this program. The process of the stages of community service activities is presented in Figure 1 below.
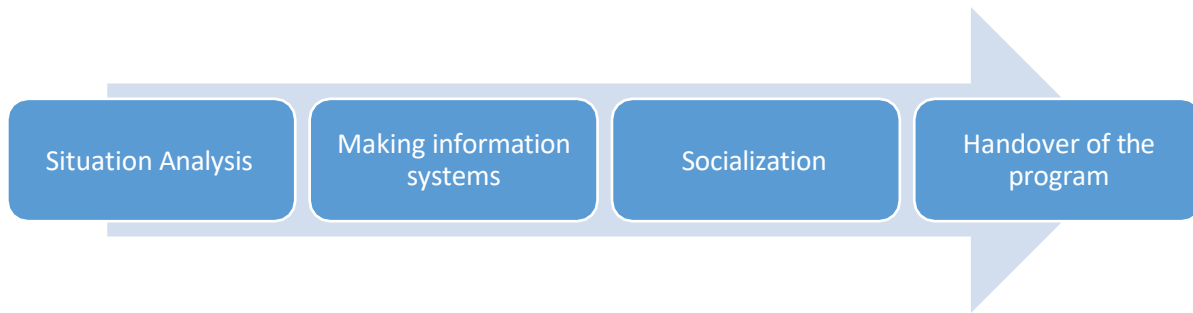
Figure 1. The process of community service activities

a) Situation Analysis

This situation analysis activity was carried out in order to gain a comprehensive understanding of the problematic ethics/norms/law violations committed by UMS students in their boarding house environment. This is necessary in order to get the right solution regarding the importance of integrated communication and information systems in order to minimize student violations in the boarding house environment from the side of weakness.

b) Making information systems

In this digital era, information systems that are connected via an online internet network are a basic need for organizations at all levels. With this background, the executor will develop an information system for reporting student violations in the boarding house environment. The existence of this information system will make it easier for members of the public to report violations of the norms/ethics/laws that apply in society. Based on the needs analysis carried out between implementers and partners, in general, the content of the information system will provide information about the complainant, the reported party, the type of violation, and the location of the incident.

c) Socialization

After the construction of the information system is complete, socialization activities are needed so that the information system is able to become a means of communication between residents and the campus. For the website socialization process, the executor did it in 2 stages, namely with the UMS Student Affairs as the person in charge of the students on campus, as well as the RT/RW administrators in the Pabelan Village environment.

d) Handover of the program

Program sustainability is the most important element in community service activities. In this regard, implementers and partners agreed that the implementation and maintenance of the boarding violation reporting information system would be handed over to the UMS Disciplinary Team and Student Affairs Bureau.

3. Results and Discussion

This service program aims to develop an information system for reporting student violations in the boarding house environment. The development of information technology is so rapid, offering convenience to make communication that so far seemed stuck.

This time the service involved RW IV Pabelan Village management partners as a sample

and also the Disciplinary Team and the UMS Student Affairs Bureau as the parties that had been responsible for the problem of violations of the order and UMS student affairs. To achieve this goal, executors and partners carry out several activities. Results and discussion contain the results of the implementation of community service activities along with the discussion. Write down the findings obtained from the results of the implementation that has been done and must be supported by adequate data. Explain well, the conditions before and after the implementation of community service activities. Mention the obstacles and obstacles that may be encountered.

a) Focus Group Discussions

This activity was carried out on December 2, 2019, at the house of the Head of RW IV Pabelan Village. On this occasion, the administrators of RW IV and RT were present. This activity is carried out as an effort to analyze the situation of the information system to be developed. Based on the information received, the RT/RW administrators who were present expressed their gratitude to UMS where its presence was able to move the local community's economy. This can be seen from the business units initiated by the community such as boarding houses, food stalls, laundry services, etc. However, as a side effect of the existence of boarding houses by students, it creates discomfort in the community as an effect of student behavior.

Partners said that in fact, the environment has prepared various instruments in order to maintain conduciveness and environmental stability. However, it is not uncommon for students to be found committing violations such as: fighting, playing loud music until late at night, entering guests of the opposite sex into rooms, etc. The actions taken by the RT/RW administrators were tiered, starting from a warning to expulsion.

Based on the experience of the RT/RW administrators, the enforcement actions that have been carried out are considered not to have a deterrent effect. In fact, expulsion from the boarding house only shifted the problem elsewhere. The partners added that a new deterrent effect emerged if students who committed the violation were reported to the campus and followed up by UMS. It's just me, the partner complaining about not knowing who to report to and what needs to be included in the report.

For this reason, partners really hope that a communication channel will make it easier for partners to report violations to campuses. What's more, reporting can be done online, either through a website or application that can be accessed anywhere and of course also documented and can be followed up immediately

Based on this explanation, partners, and implementers agreed to develop an information system for reporting student violations in community-based boarding houses. With this information system, it is hoped that it will facilitate access to reporting so that the level of student order in the community runs well.

b) Making Information Systems

An information system is a system that consists of components that are interrelated and work together to collect, store, process and disseminate information within an organization or business. Information systems can include software, hardware, networks, databases, and human resources involved in collecting, storing, processing, and distributing information (Irwanto, 2021).

The purpose of the information system is to provide timely, accurate and relevant

information needed by decision makers in the organization to improve business performance and efficiency. Information systems can be used for various purposes, such as business management, financial reporting, human resource management, supply chain management, sales and marketing, and so on (Sutiyono & Santi, 2020)

The stages of making an information system start from designing the website design that will be used. The use of this media is a solution to the difficulty of accessing manual-based reporting. Based on a needs analysis conducted between implementers and partners.

- → Immoral / Obscene
- → Get drunk
- → Persecution
- → Gambling
- → Drugs
- → Fights
- → Destruction

Violation of order in the boarding house

The UMS Discipline Team

Informer → **Informer Registration** → **Generating Information** → **Processing Information**

✓ Chairman of the neighborhood
✓ Denizen

✓ Telephone Number
✓ Identity Card Number

✓ Student Card of Offender
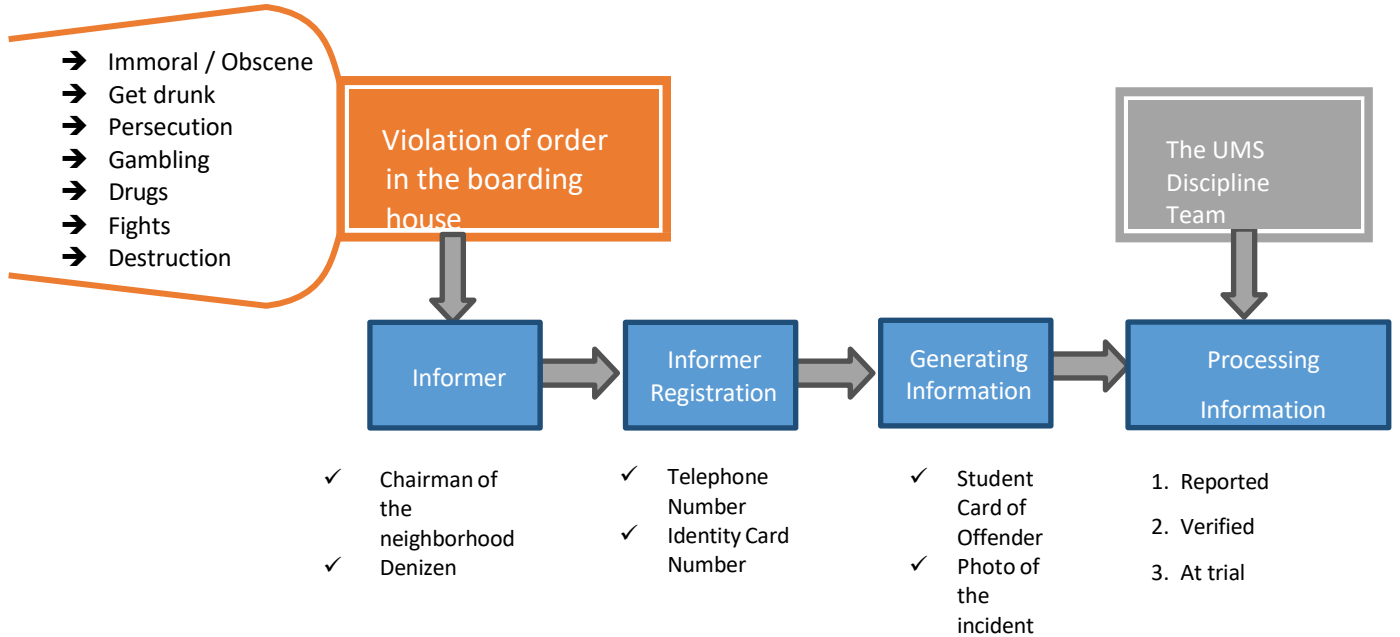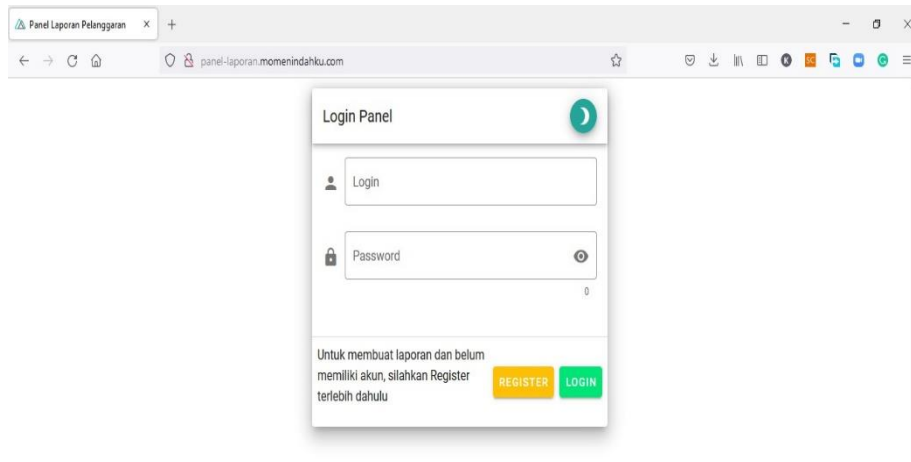✓ Photo of the incident

1. Reported
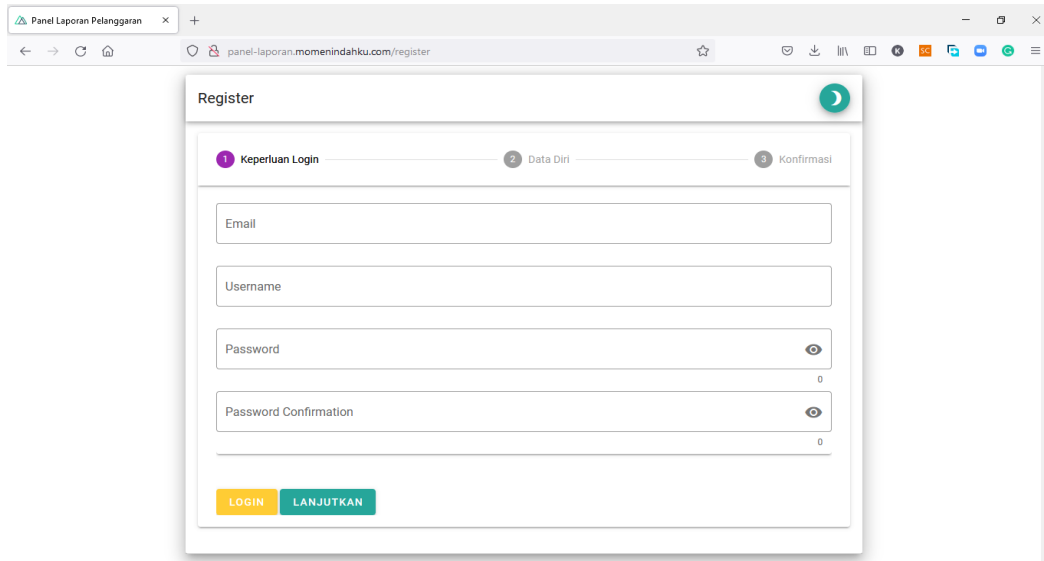2. Verified
3. At trial

Figure 2. Stages of using the boarding house order reporting information system

In full, the following is a view of the information system page:
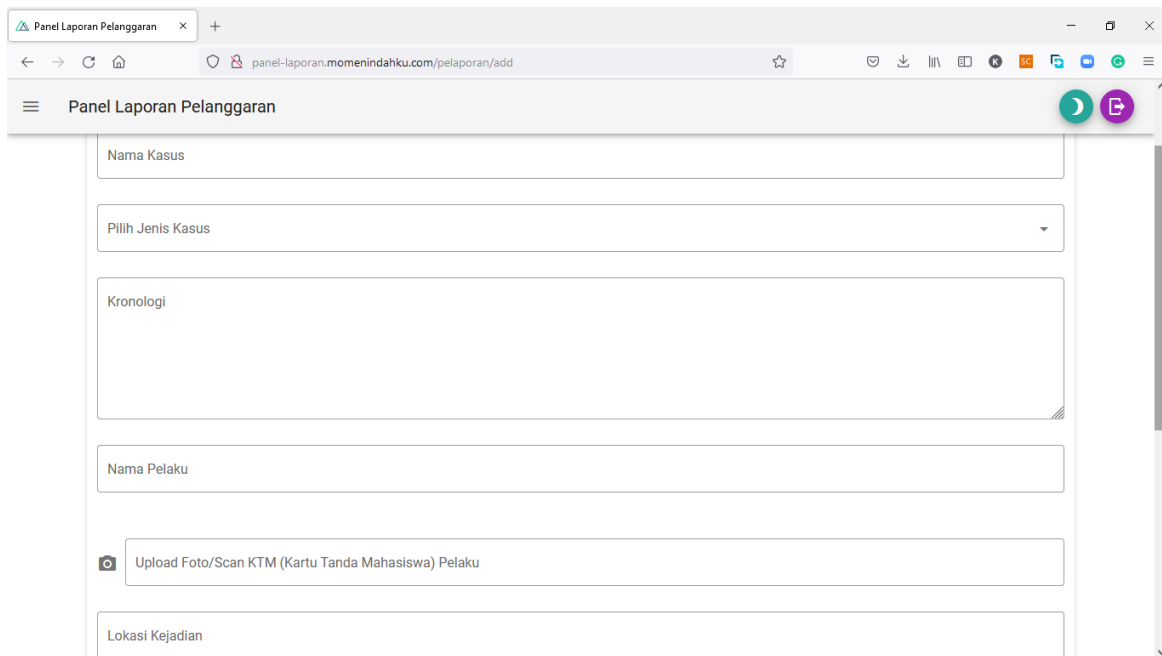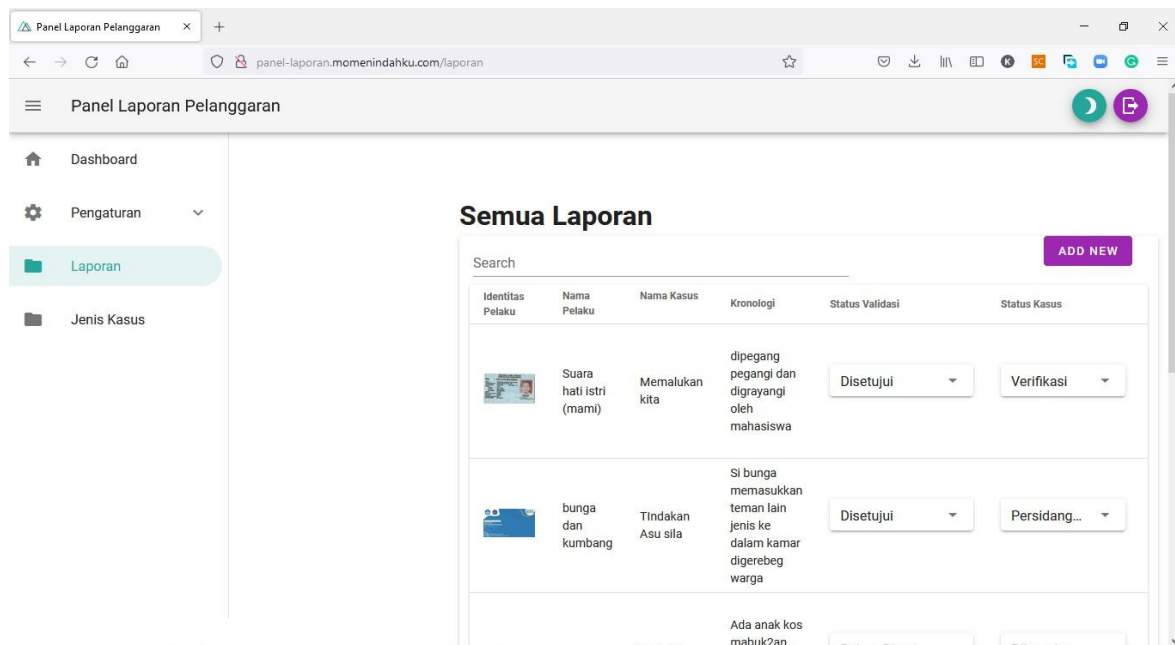

(a)

(b)

Figure 3. (a) Home page, (b) Reporter's registration/registry page

(a)

(b)

Figure 4. (a) Violation case reporting page, (b) Report status page.

c) Socialization

The information system that has been created will not have a significant impact if it is not accompanied by publication/dissemination to the public regarding the existence of the information system. This socialization activity was carried out in two stages with two audiences, namely:

a)   Disciplinary Team and Student Affairs Bureau of UMS

The socialization with the UMS Discipline Team and Student Affairs Bureau was held on Thursday, September 30, 2021 which was attended by Mr. Bambang Sukoco, S.H., M.H. (Head of the UMS Disciplinary Team) along with all members of the UMS Disciplinary Team and Mr. Ir. Ahmad Kholid Al-ghifari, S.T., M.T. (Head of Student Affairs Bureau) along with UMS student affairs. On this occasion, partners welcomed the explanation from the implementing team regarding the existence of this information system in the hope of being able to increase community participation to become 'supervisors' of students in the boarding house environment.

Partners also provide input based on experience that has occurred in relation to the process of reporting violations of the rules. Input from these partners is very important to cover the gaps in the system being developed. One of the important points is related to the types of violations that must be adjusted to the rules at UMS.

Figure 5. Socialization with the UMS Disciplinary Team and the UMS Student Affairs Bureau

In closing, partners are willing to maintain the information system in the future, meaning that the system will be managed by Bagmawa UMS. The follow-up reporting mechanism will be discussed further.

b) Society

After the socialization with Bagmawa, the team made improvements to the information system which was developed based on the input/experience that had so far occurred. The next stage is socialization to the public regarding the existence of a reporting information system. In this activity, the executor conducted a demonstration and also asked partners to carry out a reporting simulation.

With the socialization carried out, we hope that the community can be proactive in taking a role in reporting violations committed by students. So that the existing communication barriers can be anticipated with this information system.

4. Conclusion

From the service activities that have been carried out, it can be concluded that the service program has gone according to plan starting from situation analysis, designing and manufacturing of information systems, and also outreach to systems that have been made.

For this reason, Bagmawa's willingness to accept this system is a very good and proactive step in order to improve student order in the boarding house environment. Of course, this system still needs improvement by adjusting what is in the field. In the future, we hope that this information system can develop into an application that certainly facilitates reporting. And of course, the crucial aspect that needs to be anticipated is

system security and also verification/validation of incoming reports and their follow-ups.

5. References

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