Application of the Active Learning Model in Admin Panel Development as Application Development Support at PT Kinema Systrans Multimedia

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ARTICLEINFO	ABSTRACT
	This research aims to explore the application of the active learning model in admin panel development as an integral part of application development at PT Kinema Systrans Multimedia. In the rapidly developing digital era, developing applications is becoming increasingly important as a tool to support business operations. However, developing an admin panel, which is a user interface for managing and monitoring applications, requires an appropriate learning approach in order to achieve optimal results. In this research, we focus on the application of active learning models, which involve students directly in the learning process, to understand how this approach can influence the development of admin panels. Various active learning models such as problem-based learning, project-based learning, and cooperative learning will be explored in the context of information technology development. The research method used includes data collection through observation of the learning process, interaction between developers, and evaluation of the results resulting from the application of the active learning model. Qualitative analysis will be conducted to identify the benefits and challenges of implementing this learning approach in the context of admin panel development. It is hoped that the results of this research will provide valuable insight for PT Kinema Systrans Multimedia and the academic community about the importance of appropriate learning approaches in developing effective information technology. Thus, it is hoped that this research can become a basis for increasing the efficiency and effectiveness of admin panel development to support application development at PT Kinema Systrans Multimedia.

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1. INTRODUCTION

The context of implementing the active learning model in admin panel development as support for developing applications at PT Kinema Systrans Multimedia includes several aspects. First, there are limitations in conventional learning approaches that may have been used in previous research, creating a gap in understanding of the potential of active learning models. Second, in a competitive business environment, continuous innovation is needed in admin panel development to meet customer needs, and this research can explore how active learning models can be a source of innovation. Third, the importance of developing soft skills in addition to technical skills in admin panel development is also

a concern, and research gaps could include how active learning models can improve the development of these skills. Finally, the involvement of stakeholders, including end users, in the admin panel development process is also an important factor that can be improved through implementing an active learning model. By identifying and filling these gaps, it is hoped that this research can provide valuable insight into the application of the active learning model in the context of admin panel development at PT Kinema Systrans Multimedia.

2.   METHODS
This research method will use a qualitative approach with a focus on collecting data through observing the learning process, interactions between developers, and evaluating the results resulting from implementing the active learning model. First, observations will be made of the learning process involving the development of the admin panel at PT Kinema Systrans Multimedia, paying attention to how the active learning model is applied in this context. Next, interactions between developers will be observed to understand the dynamics of team work and the role of each individual in the development of the admin panel. The data obtained from observations will be supported by interviews with developers and project managers to gain a deeper understanding of their experiences in implementing active learning models. Qualitative analysis will be conducted on the data collected to identify the benefits and challenges in implementing this learning approach. Thus, this research method will provide comprehensive insight into the influence of the active learning model in the development of admin panels to support application development at PT Kinema Systrans Multimedia.

3.   RESULTS AND DISCUSSION
The following is a user registration display. When the user doesn't have an account, the user can register an account, where the user will be asked to fill in some data and choose their purpose for using this application.
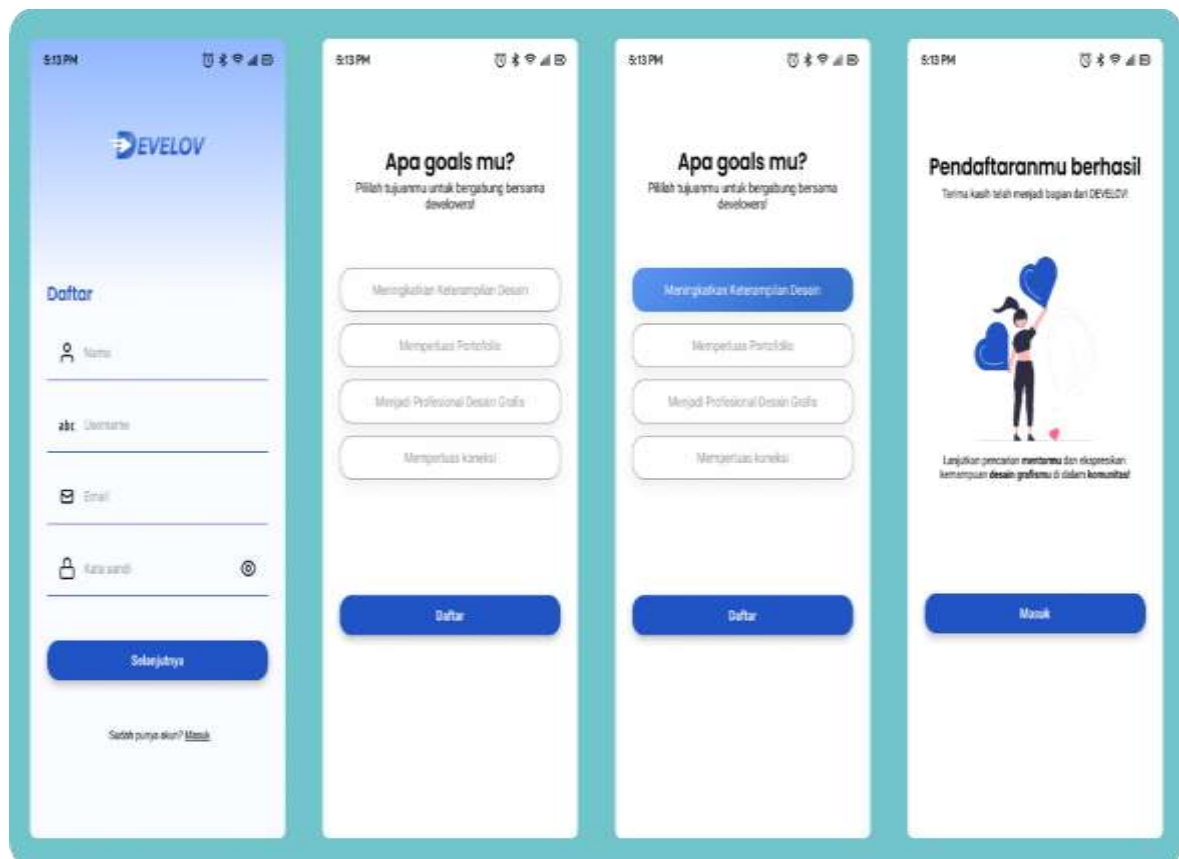

Figure 1. DeVelov Application Registration.

The following is the homepage of our DeVelov application, in this section users can see several menus such as your appointments, history, community and profile.
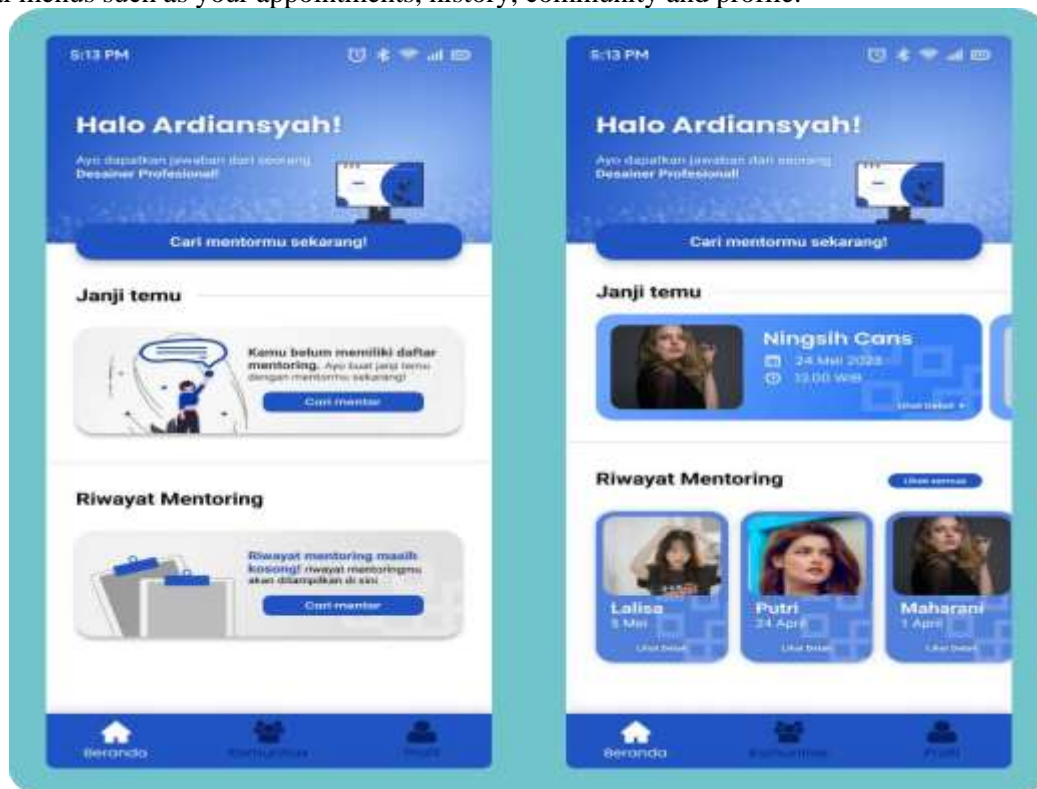

Figure 2. DeVelov Application Homepage

The following is a demo when users are looking for a suitable mentor. Users can see the expertise of existing mentors and can arrange schedules that are suitable for both mentors and users.
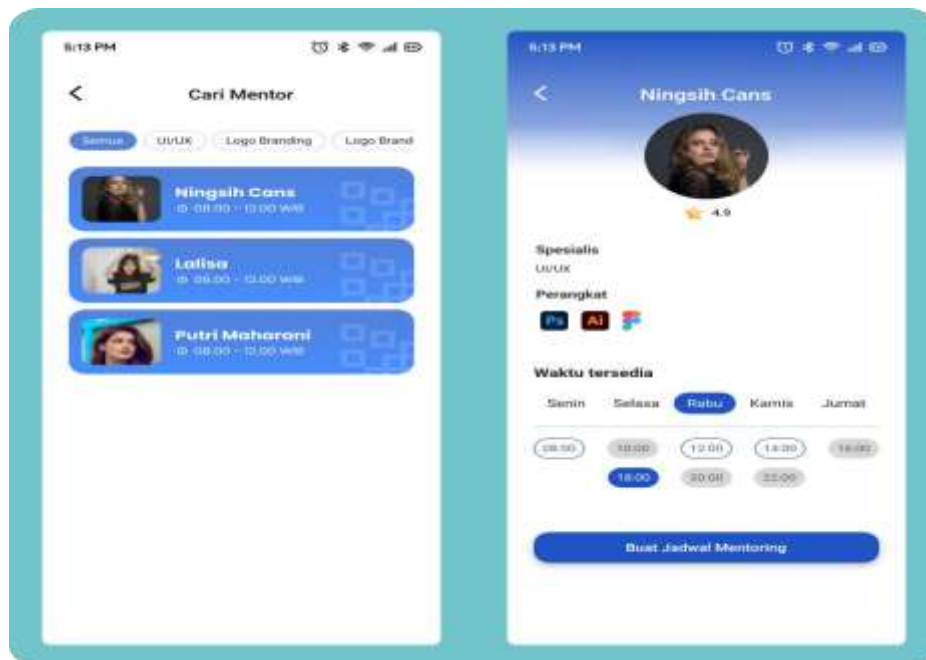

Figure 3. Demo 1 DeVelov Application Mentor Search Feature

The following is a demo application. After users set a schedule and appointment, they will be asked to make a payment. Users can use the methods that are available in the application. D
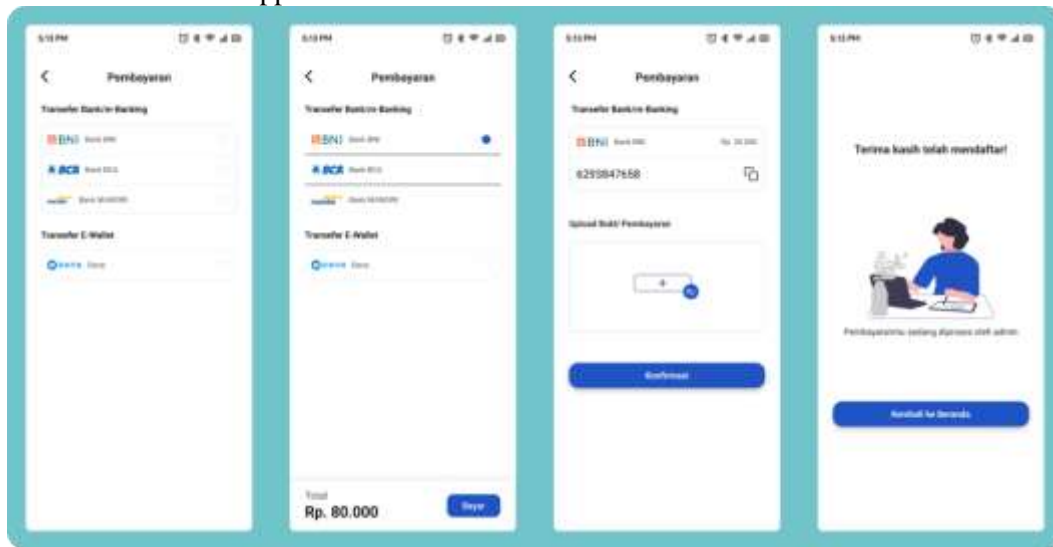

Figure 4. DeVelov app payments

The following is a history page, on this page users can see their history. In addition, users can see a link to direct them to a mentoring session when the user has not yet mentored. But when the user has done mentoring, the user can see a link to see the recording recorded by the admin.
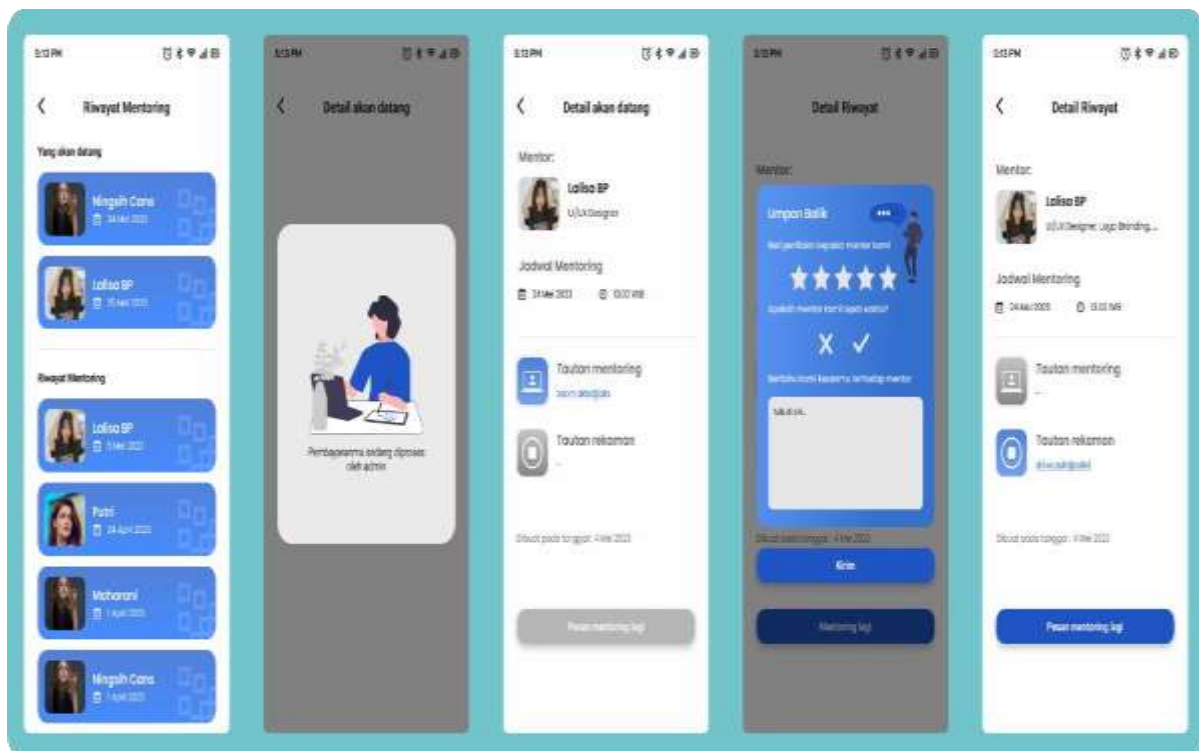

Figure 5. Develov Application History

The following is a demo of the community features in the DeVelov application. This feature was created with the aim of allowing users to discuss with each other, and give each other criticism and suggestions.
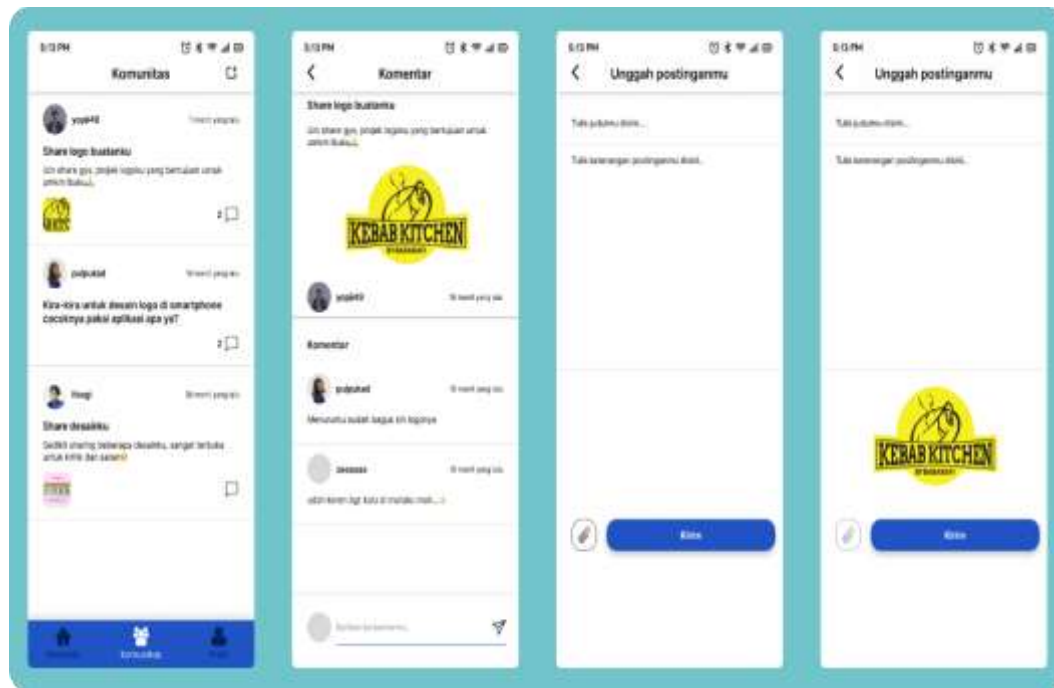
Figure 6. DeVelov app Community Features

The following is the profile menu of the DeVelop application, in this menu users can manage their personal information, users can also see their posts on the community feature.
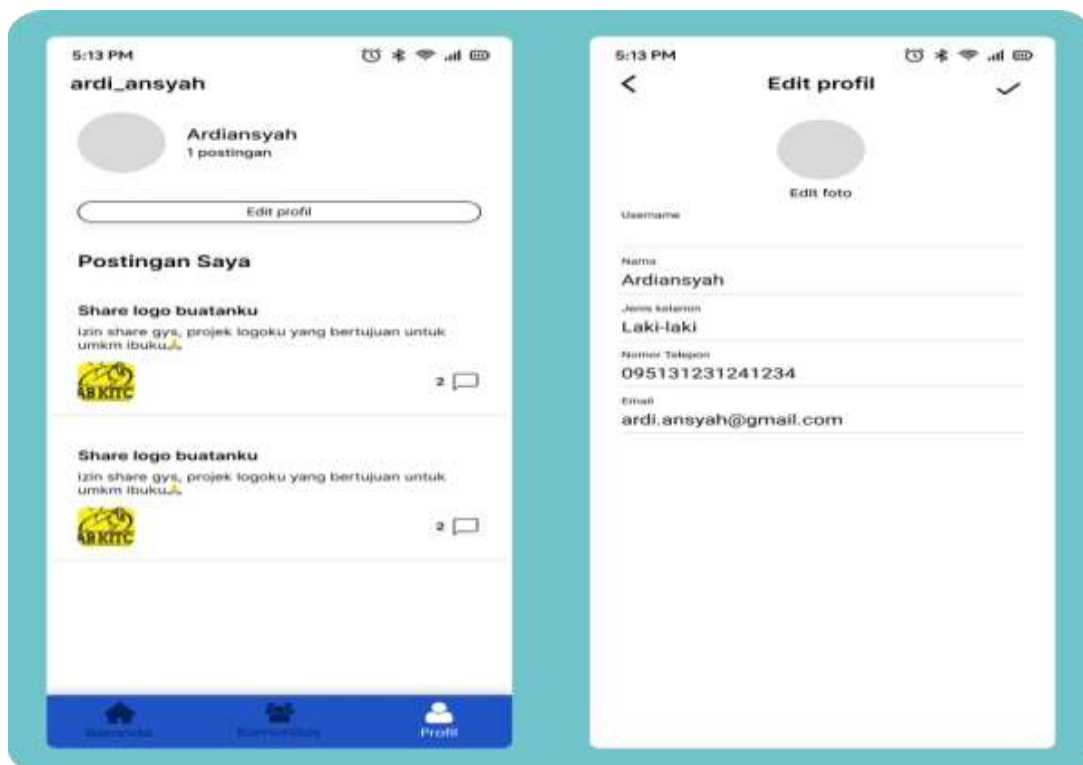

Figure 7. DeVelov Application Profile

The following is a login page specifically for admins, users cannot access it because access to this admin page has been restricted.
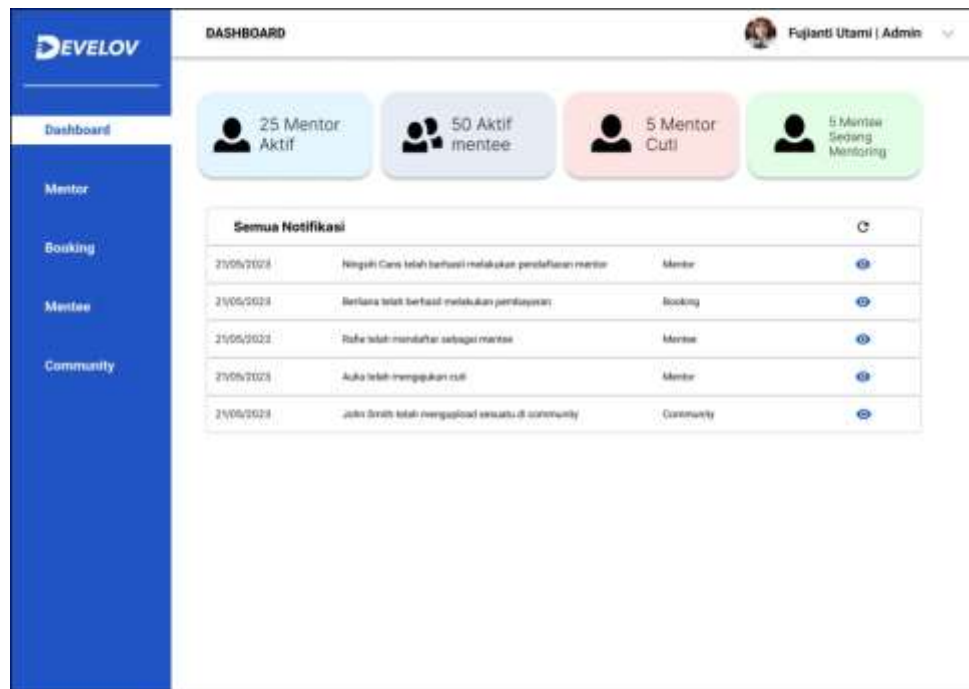
Figure 8. DeVelov Admin Dashboard

The following are parts and demos from the mentor menu in the DeVelop admin panel. In the mentor menu there are three sections, namely mentors, where the admin can delete and activate the leave feature for mentors who want it, then there is an add mentor menu, where the admin can fill in data from mentors who want to register and have met the standards. Then there are mentor details, where the admin can view and change the details of the relevant mentor.
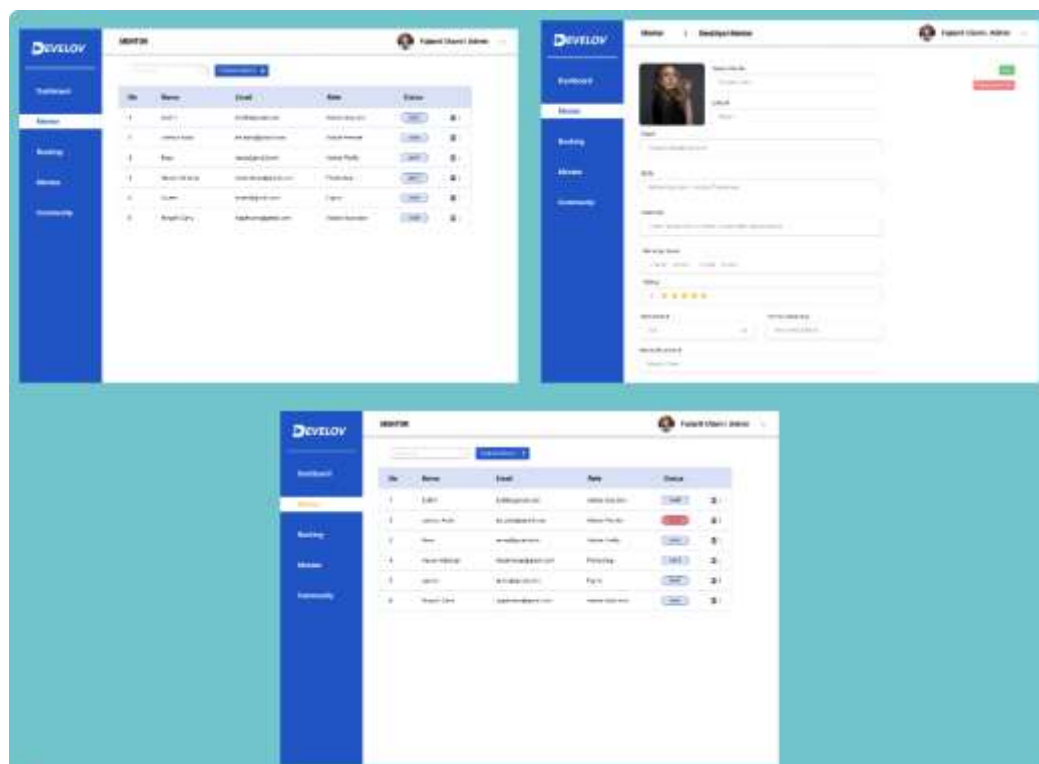

Figure 9. Mentor Menu in the Develov Admin Panel

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The following is a page from the booking menu, when a user makes a booking for mentor services it will be entered and recorded on this page, the admin can also find out whether the payment has been made or not.
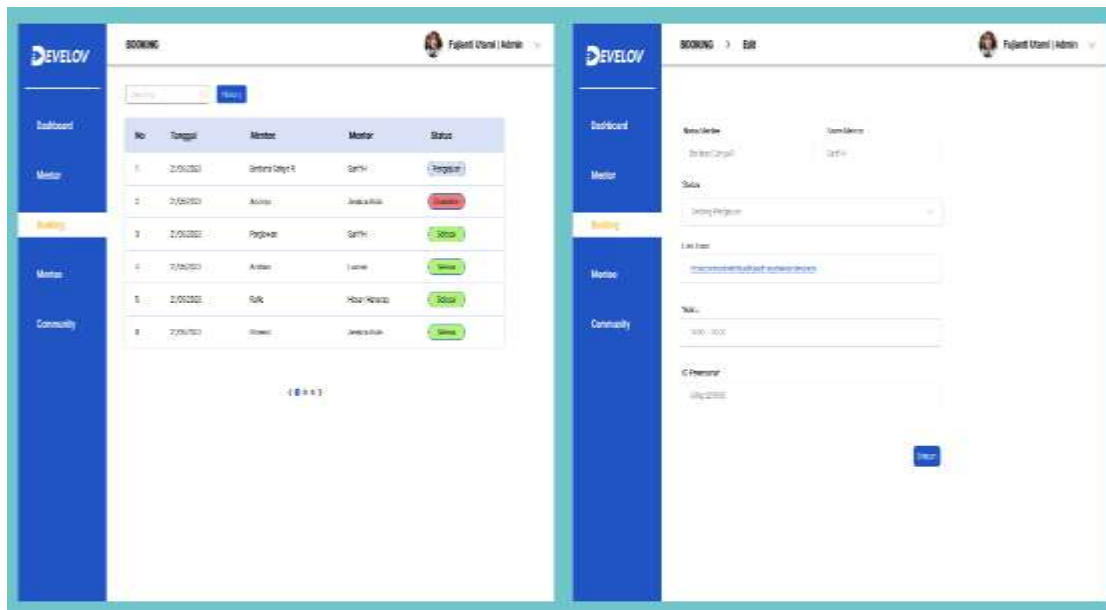

Figure 10. Booking Menu in the DeVelov Admin Panel

The following is a history menu where admins can view and monitor mentoring activities.
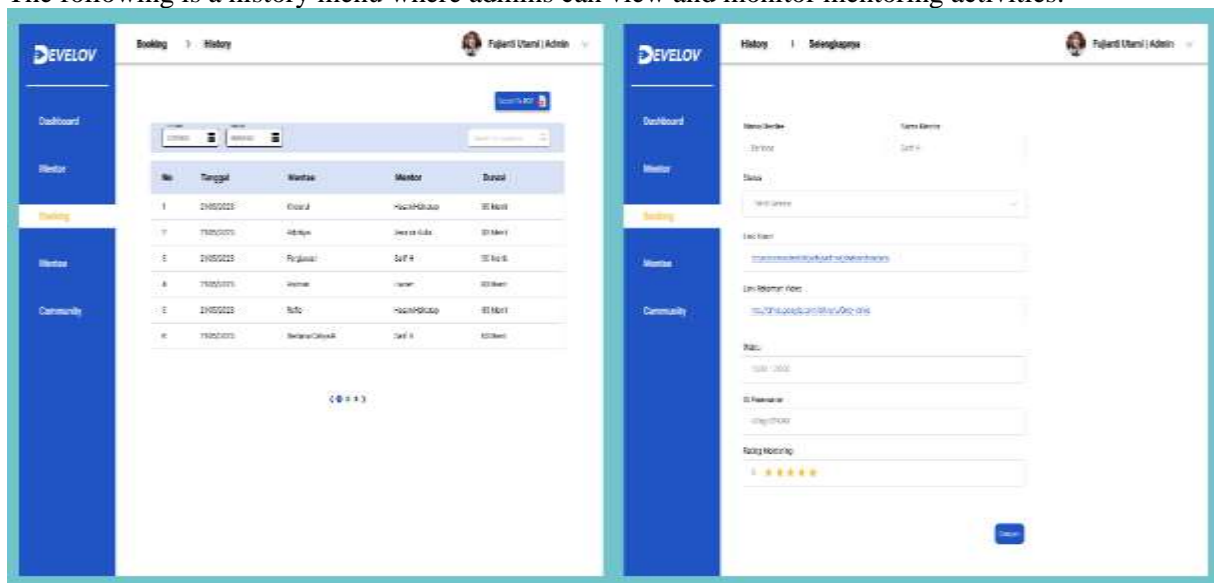

Figure 11. History menu in the DeVelov Admin Panel

The following is the community menu available in the admin panel, in this community the admin does not interact with users, but the admin's job is to monitor posts and comments that are mental breaks so as not to cause hatred and gaps between users.

4. CONCLUSION

In its conclusion, this research underlines the importance of implementing an active learning model in developing admin panels to support application development at PT Kinema Systrans Multimedia. By looking at research gaps that include the limitations of conventional approaches, the need for continuous innovation, the importance of developing soft skills, and stakeholder involvement, this research provides a strong basis for implementing active learning models in information technology development

environments. It is hoped that the results of this research will provide valuable insight for companies and the academic community about the benefits of implementing active learning models in facing challenges and exploiting opportunities in developing admin panels to support application development. By strengthening the learning approach used, companies can increase the efficiency and effectiveness of the admin panel development process, which in turn will provide major benefits in increasing competitiveness and customer satisfaction.

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