



## A-LAREAL (*APP LAW AND REPRODUCTIVE HEALTH*): INNOVATION OF SEXUAL VIOLENCE LAW APPLICATIONS AS A PROMOTIONAL AND PREVENTIVE EFFORT

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### ABSTRACT

**Background:** Adolescent are one of the targets in reproductive health. Sexual violence is considered a major adolescent health problem with short and long term effects on physical and mental health. Sexual violence is considered a major adolescent health problem with short and long term effects on physical and mental health. Correct sexual knowledge will lead adolescents towards rational and responsible sexual behavior and can help make important personal decisions related to sexuality so that they can avoid reproductive health problems. Knowledge of legal issues related to community sexual violence in Indonesia is still lacking.

**Purpose:** The major aim of the study is to find out A-LAREAL (*App Law and Reproductive Health*) effective as a promotive and preventive effort to improve reproductive health.

**Methods:** In the development of this application the method used is: ADDIE, there are stages in the method ADDIE that is *Analyze* (Analysis), *Design* (design), *Development* (Development), *Implementation* (Implementation), *Evaluation* (Evaluation), data collection using *study literature* and distributing questionnaires to 40 respondents.

**Results:** The major findings of the research in this paper show that respondents' perceptions of A-LAREAL in the very good category (57.5%), good (32.5%), pretty good (10%). In general, the perception of health workers, legal experts, teachers and youth towards A-LAREAL is very good. It is hoped that the development of this application will soon be realized so that it becomes one of the efforts to promote and prevent reproductive health and can be immediately used by the wider community.

**Conclusion:** With this application, it is hoped that adolescent, parents, teachers, and the public can use A-LAREAL in accessing information about reproductive health education, legal assistance, counseling, and sharing.

**Keywords:** *Application; A-LAREAL; Reproduction Health*

Preliminary

Adolescence is a period of transition from children to adulthood, where at this time there are many changes, both physical changes and mental and psychological changes (Aisyaroh, 2020). Physical changes in adolescents are characterized by primary sex signs, secondary sex signs, mental and psychological changes marked by emotional changes and intelligence changes (Setyorini, 2017). Conditions that appear include physical changes that occur rapidly which are not balanced with psychological changes, both mental and emotional (Yuhbaba *et al.*, 2022). Sexual violence is considered a major adolescent health problem with short- and long-term effects on physical and mental health (Kemenkes RI, 2014).

Based on a national survey of the life experiences of children and adolescents in 2018 at the age of 13-17 years, children in rural or urban areas experience one type of physical contact violence, namely sexual violence during their lifetime, 5%-7% of which occur in boys and 9 %-10% occurs in girls. Meanwhile, those who reported the incident within the last 12 months were 3%-6% in men and 5%-6% in women. Knowledge about services to anticipate violence as much as 12%-24% of children and adolescents know this, of those who say they know as much as 10-22%, who are able to show the need for services needed when experiencing violence (KPPPA, 2018).

These problems are related to sexual behavior carried out in adolescence. Sexual behavior in adolescents is influenced by many factors. Knowledge is part of the individual factors that influence adolescent sexual behavior (Andrew L. Cherry, Valentina Baltag, 2017). Correct sexual knowledge will lead adolescents towards rational and responsible sexual behavior and can help make important personal decisions related to sexuality so that they can avoid reproductive health problems Ummah, Susanto and Susumaningrum, (2019). Knowledge of legal issues related to community sexual violence in Indonesia is still lacking (Hidayatulloh, 2022). Voges, Palilingan and Sumakul, (2022) Limited access to and information on reproductive health and legal protection for adolescents in Indonesia is still considered a taboo and not to be discussed openly, therefore an innovative idea is needed in the form of A-LAREAL.(*App Law and Reproductive Health*) as a means of information, counseling, and legal assistance services regarding sexual violence. Application in the form of A-LAREAL (*App Law and Reproductive Health*) is a mobile application that is digitally integrated and easily available on the internet *play store* nor *appstore*. The

application provides information services on reproductive health, sexual violence counseling, and information on the legal umbrella for sexual violence, therefore we have made a scientific paper entitled A-LAREAL (*App Law and Reproductive Health*): Sexual Violence Law Application Innovation as a Promotive and Preventive Effort.

Research Method

In developing this application, the ADDIE method is used, while the stages in the ADDIE method are Analyze, Design, Development, Implementation, Evaluation. This method was chosen because it uses a systematic approach (Endang Mulyatiningsih, 2016). Analyze, data collection the data collection technique in this paper is carried out by study *literature*. Design A-LAREAL app design (*App Law and Reproductive Health*) will start from the homepage, after that enter the start page and register an account, then 3 menus namely account, main menu and exit. Next, on the main menu page, there are 4 menus, namely the legal basis for sexual violence, counseling, sharing among users, reproductive health education.

Flowchart Modeling (Application Flow)

The process flow of the application starts with "START" which means that you continue the application first and then display a list and login menu. Next, it displays 2 choices of conditions, namely "Y" or "T" which can also be called branching to make decisions. Next will display the menu contained in the application as shown in the flowchart.

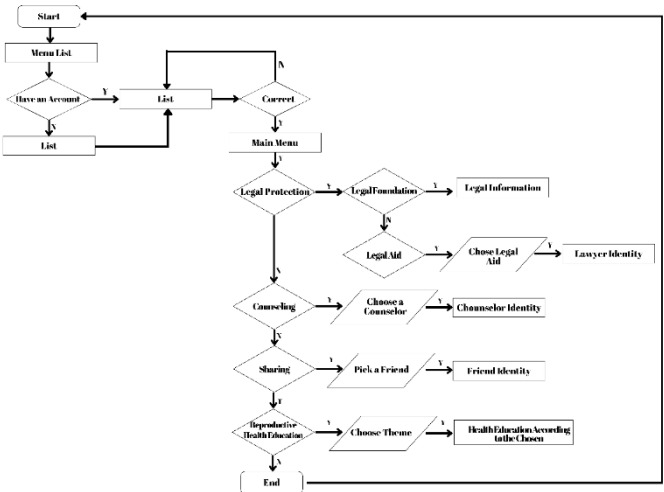


Image 1. Flowchart

The population in this study were health workers, legal experts, teachers, and adolescent. Samples were taken from health workers, legal experts, teachers, adolescent each 10 people with a total of 40 respondents. The sampling technique in this study uses a cluster sampling technique. Perceptions are related to needs, values and expectations, the needs needed by health workers, legal experts, teachers and adolescent

that can speed up and facilitate the community in making complaints. In this questionnaire there is a frequency of perception on the implementation of applications that have been developed. The questionnaire in this study used a perception questionnaire designed by researchers consisting of 8 questions that had been tested for validity with the results of 0.340-0.648 and a reliability test of 0.634. The frequency of perceptions on the implementation of applications that have been developed. The frequency of perception in this paper are:

Interval	Category
>30	Very good
25-29	Good
20-24	Pretty good
15-19	Not good
<14	Not Very Good

**Table 1.** Perception and Interest Assessment Norms

The analytical method used in this paper is descriptive analysis, validity test, reliability test using SPSS version 23 *for Windows 7*.

**Result**

**1. Descriptive Analysis**

a. Respondents by Gender

Based on primary data collected through questionnaires, the profile of respondents based on gender is obtained in the table below.

Gender	Frequency	Percentage (%)
Man	21	52,5
Woman	19	47,5
Amount	40	100

**Table 2.** Respondents by Gender

Based on table 2 shows a total of 40 respondents, it is known that the gender is quite varied, so it can be concluded that the sex of the most dominant respondents is male, namely 21 people or 52.5%, this data can be interpreted that there are more male respondents than female.

b. Respondent by Age

Based on the primary data collected through the distribution of questionnaires, the profile of the respondents was obtained based on what is shown in this table.

Age (years)	Frequency	Percentage (%)
12-21	10	25
22-31	10	25
32-41	19	47,5
>42	1	2,5
Amount	88	100

**Table 3.** Respondents by Age

Based on table 3 shows a total of 40 respondents, it is known that the age is quite varied, so it can be concluded that the age of the most dominant respondents is 32-41 years old, which is 19 people or 47.5%.

**2. Perception Test**

The result data on respondents' perceptions of the A-LAREAL application in detail the results of the questionnaire assessment are as follows:

Category	Interval	F	%
Very good	>30	23	57,5
Good	25-29	13	32,5
Pretty good	20-24	4	10
Not good	15-19	0	0
Not very good	<14	0	0
Amount		40	100

**Table 5.** Calculation of Respondents' Perception Categories

Based on table 7, it is known that respondents' perceptions of A-LAREAL in the very good category (57.5%), good (32.5%), Pretty good (10%).

**Discussion**

Based on the results of the study from 40 respondents, it was found that the percentage of men (53.5%) and women (47.5%), who filled out the questionnaire, were 32-41 years old (47.5%). The items of the questionnaire statement respondents agree more with the A-LAREAL Application (*App Law and Reproductive Health*) developed is indicated by the percentage of each item, namely, item 1 (50%), item 2 (55%), item 3 (47%), item 4 (40%), item 5 (55%), item 6 (35%) , item 7 (32%), item 8 (55%).

Based on the validity test with the help of SPSS version 23 *for Windows 7*, it shows that the items of the distributed statement are valid because the value of *r* count > *r* table. Based on the reliability test with the help of SPSS version 23 *for Windows 7* shows that the statement items are distributed reliable because each alpha value exceeds the *cut off* value of 0.60 then all variables are reliable.

Based on the calculation of the respondent's perception category, it is shown that the respondent's perception of A-LAREAL is varied, however, most of the respondents have a positive perception of A-LAREAL. Respondents with perceptions in the very good and good categories strongly agree that A-LAREAL was developed. The application referred to here is an application that can help adolescents for reproductive health counseling, sexual violence legal side such as counseling with psychologists and sharing with people who experience the same thing.

Respondents with a very good category perception based on research data are 57.5%, this shows that there are some respondents who think A-LAREAL is a positive thing in everyday life. Respondents in this category want A-LAREAL to be developed and realized immediately so that it can help adolescents and the wider community in preventing sexual violence and reproductive health. The results of the study are in line with the results of research conducted by Delfinan, et al. (2021) which shows that there is a significant relationship between knowledge about sexuality and anticipation of the risk of sexual violence in adolescents. Good knowledge about sexuality is

very important for adolescents to avoid the risk of sexual violence (Susiana, 2019). Adolescent are advised to remain vigilant and do not be afraid to report immediately to parents, teachers, and the police so as to avoid the negative effects of sexual violence (Muhid *et al.*, 2019).

Adolescent who experience sexual violence can report using the A-LAREAL application as a promotive and preventive effort. Adolescent, parents, teachers, and the public can use the application to access information about reproductive health, report, and obtain legal protection from legal aid agencies listed in the application. Adolescent and victims of sexual violence do not need to be worried, ashamed, and afraid to report incidents of sexual violence they have experienced (Isnawati and Khosianah, 2022).

Wang, et al. (2016) stated that the use of applications can effectively provide improvements for users in carrying out various physical activities and exercises. The results of research conducted by Purnamasari and Panjaitan, (2020) are that the *e-reporting* application can facilitate the process of reporting street light damage so that the repair process can be carried out immediately. A-LAREAL can make it easier for adolescent, parents, teachers or the community to seek legal assistance. The results of research conducted by Hendrawan, et al., (2022) showed that educational media were used to introduce health protocols to children in an interactive and innovative way from *mobile* devices so that they were easy to understand and easy to understand and could be used as information media. A-LAREAL can be used as information for youth, parents, teachers or the public looking for a legal basis, legal assistance, and reproductive health education (Permatasari and Suprayitno, 2021).

The difference in respondents' perceptions in this paper is inseparable from the influence of the perceptual selection aspects of each respondent. Each individual basically has different experiences, needs and adaptation processes. Someone with good experience can benefit and make A-LAREAL the main choice of application to find out about sexual violence, legal protection and counseling as well as being effective as a promotive and preventive effort for reproductive health (Johariyah and Mariati, 2018). In this paper, this is in the form of the type of application, the size and suitability of the application as well as the *supporting system* of the application used (Mulyati, Ramadina and Pangestuti, 2021).

## Conclusion

Based on the results of the research and discussion, it can be concluded that in general

the perception of health workers, legal experts, teachers and adolescents towards A-LAREAL is very good. Respondents' perception of A-LAREAL in the very good category is 57.5%, good is 32.5%, 10% is sufficient. Through applications that are used to help find information. Adolescent who experience sexual violence can report using the A-LAREAL application as a promotive and preventive effort. Adolescent, parents, teachers, and the public can use the application to access information about reproductive health, report, and obtain legal protection from legal aid agencies listed in the application. So that adolescent and victims of sexual violence do not need to worry, be ashamed, and be afraid to report incidents of sexual violence they have experienced. The difference in respondents' perceptions in this paper is inseparable from the influence of the perceptual selection aspects of each respondent. Each individual basically has different experiences, needs and adaptation processes. Someone with good experience can benefit and make A-LAREAL the main choice of application to find out about sexual violence, legal protection and counseling as well as being effective as a promotive and preventive effort for reproductive health.

## Suggestion

It is hoped that the development of this application will soon be realized so that it becomes one of the efforts to promote and prevent reproductive health and can be immediately used by the wider community. With this application, it is hoped that adolescent, parents, teachers, and the public can use A-LAREAL in accessing information about reproductive health education, legal assistance, counseling, and sharing.

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