

Children Safety: Education Game for Child's Sex Education

FajarAs'ari

Department of Information Systems, Faculty of Computer Science
Soegijapranata Catholic University (SCU), Semarang, Indonesia
asari.fajar@gmail.com

Fx. HendraPrasetya, ST., MT

Department of Information Systems, Faculty of Computer Science
Soegijapranata Catholic University (SCU), Semarang, Indonesia
ridwan@unika.ac.id

Dr. RidwanSanjaya

Department of Information Systems, Faculty of Computer Science
Soegijapranata Catholic University (SCU), Semarang, Indonesia
ridwan@unika.ac.id

Abstract – Some people still cannot talk freely about sex education. On the other hand, some of them have an assumption that teaching sex education will lead to free sex behavior. Sometimes parents are afraid to talk about sex education with their children, even some parents think that sex education is not important for children.

In fact, children need to know about sex education for their own good. To children, sex education is to explain differences between male and female and to know well about themselves. Creating media to deliver sex education is the way to teach children about sex education. Among many media, game is one option to deliver this education.

This research will discuss game for child's sex media education. The reason for using game as media for sex education is that game has capability to deliver message. Through game concept of picture and animation, game delivers sex education to children with the objective to prevent the child from sexual abuse. However, when the children play the game they need to be guided and accompanied by adults to make sure that children understand the meaning of game message through game story.

Keywords: game, game education, sex education, sex education game, child's sex education.

I. INTRODUCTION

Sex education; some people are unfamiliar with this term. Some of them feel awkward

and the others feel afraid, especially parents who cannot speak freely with their children about sexuality. Parents have an assumption that talking about sex education means talking about sex too, and sex is just for adult[1].

Indeed, sex education also teaches about sexuality but sex education also teaches another aspect like moral aspect, social behavior, law, until culture, according to Ulwan [2]. In addition, Sarwono added that sex education could be a preventive way to keep away from the negative effects of sex deviation[2]. Sex education for children itself is to introduce children about gender and how to take care of it[3]. Child's sex education can be delivered to children when the children are in playgroup (3-4 years old). This is intended to give explanation to children about similarities and differences between female and male so in the end, children know about themselves, as stated by Dr. Rose Mini AP., M.Psi [2].

Sex education can also be delivered through game. A research developed by Applied Research Center for Health & Lifestyle and intended for teenagers discusses about prototype of a game which materials are about reproduction, proper birth control, and also sexually transmitted infection (STI) [4]. Another research discusses sex education that

can be adapted into a game to introduce differences between male and female[3].

Children Safety Game is one of the games that adapt sex education material intended for children. This game teaches children to anticipate sexual abuse. This game has five stages to deliver education about child's sex abuse anticipation and three information support in game story. Survey has been done to thirty people who have already known sex education to evaluate materials on the game by playing Children Safety.

II. LITERATURE REVIEW

2.1 Education Game

Game is an organized and structured rule to create a room which can be enjoyed by adults who play the game too. Video game itself is a player experiences that is described in a game character. On the other hand, video game can give lesson. Through delivering some issue then player will catch the information from the issue while playing a game[5].

Education game delivers an information to enrich knowledge and support learning process through interactive media[6]. Game is a bridge to know the fact, correlate idea, or help relating two different knowledge[5]. To motivate and create interest on learning an education game benefit, according Pivce and Koubeck[6].

2.2 Children Safety Game

Children Safety is a game that is intended to anticipate child sexual abuse and this game is in Indonesian. When children play the game they need a companion to explain the information which is hard to be understood by children. Five game stages begin by introducing family members, differentiating between male and female, simulation story when a child's private organ is touched by another person, then simulation story when a child meets a stranger, and the last stage is a simulation story when a child meets someone who has already known by the children. Three

information is also added to support the information delivered through the game story.

Children Safety Game is intended to children grade 1-3 elementary school with sex education materials that have been adjusted. To avoid children misunderstandings when interpreting the story or information in the game story, children need a companion.

2.2.1 Game Start



Fig 2. 1 Start Menu in Children Safety Game

On game start, player needs verification code to go to stage menu. Verification code should only be known by the companion.

2.2.2 Game Stage



Fig 2. 2 Stage Menu in Children Safety Game

In game stage menu, there are five stages. Stage two until five are locked; to open it a player should play previous stage. For example, to open stage two a player should play and finish stage 1; to open stage three a player should play and finish stage two, and so on.

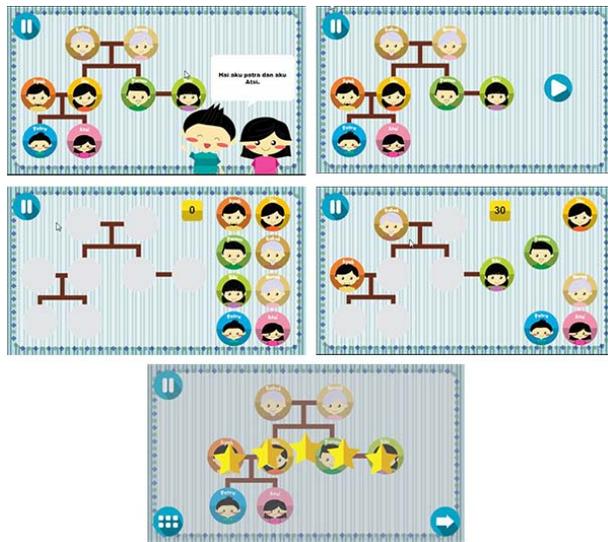


Fig 2. 3 Stage 1 Children Safety Game

Arranging family tree from game Children Safety character, Patra and Atsi. This puzzle game is intended to teach children to know who Patra and Atsi family members are. So when playing another stage, a player knows who Patra and Atsi family members are, and who are not family members.



Fig 2.4(a) Stage 2 Children Safety Game (1)



Fig 2. 4(b) Stage 2 Children Safety Game (2)

Stage 2 is when Patra and Atsi are going to school and meeting many people on their way.

Then they categorize people they meet by male or female. In this stage, the player or children are asked to differentiate a gender by appearance; beside appearance text on dialog box can be a hint to know whether this NPC male or female.



Fig 2. 5 Stage 3 Children Safety Game

Stage three, simulation story when another person touches Patra's private organ and this person asks Patra to keep this as a secret. Then Patra feels uncomfortable and a afraid, and a button with options whether to tell about what happened or not appears. This game stage is to teach player especially children to tell their secret to their parents, especially a secret that makes them worried.



Fig 2. 6 Stage 4 Game Children Safety

On the stage 4, Atsi is playing outside with her friends. Atsi meets two people, Aunt Ama and a stranger. When she meets Aunt Ama, she gives Atsi a cake and her mother is around there. Then a button comes up with an option "terima" as accept or "tolak" as reject. If the children choose "tolak" there is an explanation, when the parents are around the children and someone gives something such as, candy, cake, etc. the children can take it. However, if the parents are not around them, children should not take it, even if the one who gives it is someone whom the children have already known.

Atsi also meets a stranger who gives her candy and asks Atsi to go out. Children will choose the button to accept or reject everything that a stranger asks. If the children choose the button to accept, an explanation will show up that children should reject the allurements. In the story line, the stranger will force Atsi to go out then on the screen a button "tolong" to shout help will appear then a button "lari" to look for help will also appear.



Fig 2. 7 Stage 5 Game Children Safety

Stage 5 has the same pattern as stage 4, the differences are on the potential offenders who are the people whom children have already known. In this stage, setting of story is in the park where Patra is playing. The offender is

someone who is called uncle by Patra. In the story, the uncle gives Patra a ball then a button to choose "accept" or "reject" appears. Then uncle and Patra talks together, and Patra gets a hug which makes Patra feels uncomfortable. After that buttons of button "tolong" and "lari" will appear on the screen as in stage 4.

2.2.3 Menu Info



Fig 2. 8 Menu Info Game Children Safety

Info Menu is created to support the information that is delivered through the game story.



Fig 2. 9 Info 1 Children Safety Game

The first info is about child's private organs that the other should not be allowed to touch. They are mouth, chest, and areas around pants or skirt. Around the pants or skirt are crotch and butt described by picture[7][8].



Fig 2. 10 Info 2 Children Safety Game

The second info explains the places where sexual abuse could happen, such as around the house, school, and public places. It also explains that nobody cannot force children to do something that makes children feel uncomfortable, even if that someone is a person whom the children love or know[7][8].



Fig 2.11(a) Info 3 Children Safety Game (1)



Fig 2. 11(b) Info 3 Children Safety Game (2)

The third info is about the events when someone can touch child's private organ. For example, when a doctor examines children and the parents accompany them. Also, this info explains safe touch for children like handshake, stroked the head, coupled, embrace or hug.

III. RESEARCH METHODOLOGY

Distributing questionnaire form into 30 respondents to survey Children Safety game has already be done. Before the respondent fills the form, they have to play the game first. Respondents are those who have already known sex education or child's sex education.

IV. RESULTS AND DISCUSSION

The result of the questionnaires distributed into 30 respondent is described in bar charts.

How hard to play game Children Safety?

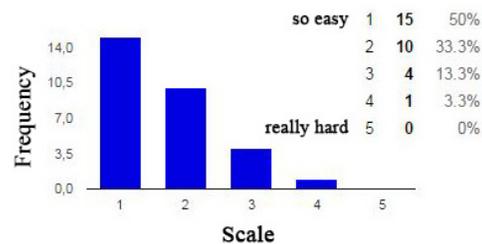


Fig 4. 1 Difficulty to play Children Safety.

Are you agree if game Children Safety as a media to deliver sex education?

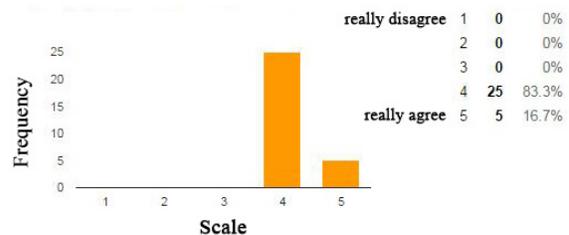


Fig 4. 2 Children Safety as a sex medium education.

As a sex media education, is it the material of sex education on game Children Safety relevant for child's sex education?

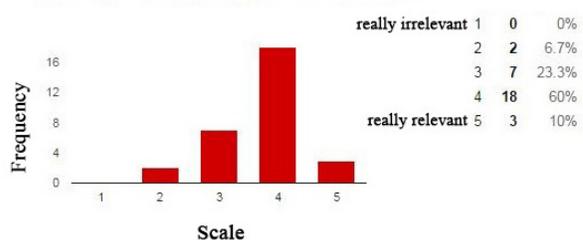


Fig 4.3 Children Safety is a satisfactorily sex education material.

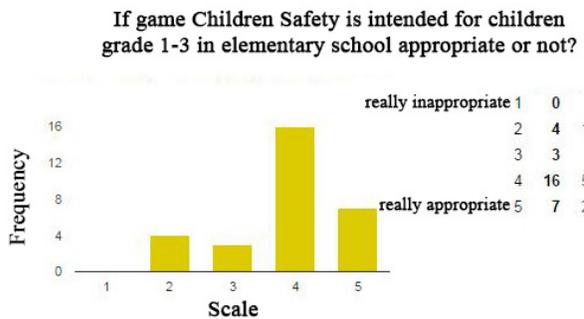


Fig 4.4 Children Safety is appropriate for children grade 1-3 in elementary school.

From the survey, the respondents' opinion on Children Safety game as an education game can be summarized as follows:

- The game is easy to be played by adult, someone who will accompany children to help or teach children how to play the game.
- Children Safety game can be a media to teach child's sex education.
- Sex education materials on the game are relevant to teach child's sex education.
- The game can be sex media education for children grade 1-3 in elementary school.

Some respondents stated that the materials of child's sex education have a deficiency in the way the game shows human genital organs. The game just shows where the genital organ is implicitly by showing the part of the body where the organ is located. This happened because not all parents are ready to show the genital organ explicitly even through sketch picture to their children.

V. CONCLUSION

Game can deliver information and become a medium of education as in an education game. Sexual education is one of the education that could be adapted into education game. One of the education games with the topic of sex education is Children Safety game.

Overall, Children Safety game can be a tool to help deliver sex education for children. Sex education materials are also relevant for sex education especially child's sex education. To

adjust the game with public readiness, summarizing the material about sex education has done. It makes some respondents give their opinion that the material have a deficiency from sex education perspective.

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