Design of Sex Educational Material in Children as Early Anticipation of Pedophilia in Medan City and its Dissemination through Information and Communication Technology

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Abstract. Every child occupies the most important composition for the sustainability of this State of Indonesia development, so should any form of deviant treatment done to the child should be prevented as early as possible. Why is this worth noting?, because the more frightening thing is that children who used to be victims will imitate what ever happened, which is a predator of children aka revenge for what has happened to him. Almost all pedophiles have been the victims of pedophilia itself, especially when in their youth. Containers to fill it all are formal and in formal education. Therefore, in both containers the child's affective space is filled, grown and developed. In observing the lively pedophile disparity of late, with the declaration of Medan, Denpasar and Batam as the three major cities, the highest number of pedophiles in Indonesia. These three cities are considered to be "childless cities". Now that should we do, as educators?. The author feels the need to do an urgent effort, namely preparing the intellectual maturity of children, so as not to be easily deceived by the pedophile persuasion directed to him. This paper departs from the notion that no amount of legal sanction formulated or imposed in a provision of the Act will not be able to suppress the rate of pedophilia in Indonesia. Information and Communication Technology on the other hand can facilitate the dissemination of information about the dangers of pedophilia and other dissemination of teaching materials that have been produced so that it can be accessed by the whole community. Therefore this paper tries to touch other aspects of pedophilia handling, that is through educational pathways, with more courage to introduce sex education materials to children as early as possible and its dissemination through information and communication technology.

1. Introduction
National concerns about pedophilia have increased due to the recent spectacular cases of child abuse, murder and sex scandals. The recent media attention through television sessions, such as Catch a Predator, has raised concern about children's threat to sexual offenders[1]. The social justice principle must be consider in the interaction with the children[2], [3], [24]. According to the WHO definition (cited above), a pedophile is someone who has sexual preferences for children. Please note that a pedophile according to this definition may never act according to its own preferences to qualify as a pedophile. Pedophilia covers many different disciplines, particularly psychology, psychiatry and criminology. But it is also a sub-area of sexual ethics and as such a concern about ethics[4]. Pedophilia or sexual interest in young children has long been recognized as unusual and deviant, often associated with sexual behavior involving young people and pre-adolescent children. Even early cultures that
aggravated the marriage of older men with teenage women, or sexual relations between older men and teenage males (pederasty) have been largely condemned and questioned by individuals who have preoccupied with preferential sex practices with very young children not yet reached the age of puberty[5]. Sexually abused children and adolescents are "endangered" populations for a wide range of mental health disorders and adaptation problems. In addition to physical consequences, the experience of abuse is associated with the development of a wide range of psychiatric disorders and these associations persist in the period of adolescence and adulthood[6].

Information and Communication Technology can play an important role in the dissemination of teaching material. Walsunsinski using information and communication technology as a visual media for his teaching material in parkinson disease[7]. Batista et al. develop dynamic teaching materials for university in Japan and Brazil[8]. Simanihuruk et al. using internet for determining the best lecturer[9]. The process of develop teaching material using ICT must consider the viability of material, and for this reason, must have the benchmarking process for the material[10]-[11]. Teaching designed materials should consider the information grouping so that no information is lost during the classification process[12][13] and also the sensitivity[14].

2. Related Works
Changes in media attention and legislation have increased society's awareness of the prevalence of pedophilia, but at the same time have caused the wrong social prejudice that pedophilia is synonymous with sexual abuse. The analysis of pedophilia and sexual offenses as a global health problem often focuses on the effects on victims or on treatment to reduce relapse and not on preventive methods of treatment to stop the pedophile from being a sexual offender. Social stigma, legal consequences and other deterrents are likely to have a negative impact on the rate of treatment aimed at minimizing the phenomena of pedophile fantasies and sexual crimes[15]. Arikan use the internet for dissemination the teaching material of Grammar for online examination[16].

3. Research Methodology
3.1. VCT Method
Minangkabau adat values is also a reflection of the values of Pancasila which means can be developed and taught through Value Clarification Technique learning techniques in basic education. In value-based learning, such as KDP Elementary, Religion, Character and other learning, a teacher can adopt value clarification methods (VCT), into a model of learning. Value Clarification Technique is a technique of clarifying values or trying to foster values on the basis of objective rational principles, by engaging noble minds in assessing the values believed and maintained as behavioral guidance in the community someday (Daryono 1998: 134) But in this method there are still many shortcomings of substance, so it is not appropriate to answer and solve various value problems that developed in the community. VCT method spelled out a new method in teaching Pancasila Education and Citizenship. The birth of this method is an attempt to foster the values believed in society, in connection with the emergence of value blurring or value conflict in the midst of community life.

The VCT method or technique of clarifying this value tries to foster value on the basis of an objective rational principle, meaning it involves sublime human reason, in examining the values that are believed and maintained as objective behavioral guidelines in society in the future. Through VCT techniques students are taught to: 1) assign value to something; 2) make a rational and accountable judgment; 3) have the ability and the tendency to make decisions concerning the value issue clearly, rationally, and objectively; and 4) understanding and practicing the values prevailing in people's lives [17].

This method has several advantages over other methods of learning value in Pancasila education and citizenship: a) students learn more actively and b) students get clarity about morally defensible values. While the weakness is the problem of value (value) is an abstract problem so difficult to express concretely; the occurrence of differences of opinion on the issue of value is difficult to avoid, especially coupled with the lack of public sensitivity to the value that is considered good, so that
sometimes invite students confusion; the issue of value is a matter of what is desired, it should be
normative, hence there is often a gap with what happens in real practice[18].
Wahab et al [19] explains that the characteristics of PPKn are: Learning that gives birth to citizens and
citizens who are Pancasila, faithful and devoted to God Almighty who knows and understands their
rights and obligations based on awareness and responsibility his answer as a citizen, can make
decisions appropriately and quickly, whether for himself or for others, does not pollute people's lives
and damage the environment.

3.2. Sex Education
The importance of addressing the needs of young people's sexual health emphasizes the Health
Strategy of the Nation, which contains targets to reduce the level of sexually transmitted infections and
pregnant pregnancies. Sexual education can contribute to the promotion of sexual health,
provides an important environment for reaching out to most children and young people[20].
The lack of good educational curricula of sex education in many countries and school districts allows
teachers some flexibility in identifying the subjects being taught. The School Teacher
Survey found that about two-thirds of teachers incorporated a comprehensive program of sexual
education into their curriculum. The authors also found that one-third of sex education teachers did
not receive any education in sexual education. The aim of this study was to examine the content and
effects of sex education in public and private schools in the state of the frequency rate.

Often children are very curious about the questions posed regarding the differences in male and
female genitals. Parents should be wise in giving this explanation in accordance with the ability of
cognitive development so that children get the correct understanding. In addition, to understand gender
identity, children often imitate their mother or father, for example by using the clothes of his father
and mother. At this time, children feel happy and proud if they can show their genitals to others, even
though they do not yet know the purpose of their behavior[21]. Often children are very curious about
the questions posed regarding the differences in male and female genitals. Parents should be wise in
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correct understanding. In addition, to understand gender identity, children often imitate their mother or
father, for example by using the clothes of his father or mother [24]. At this time, children feel happy
and proud if they can show their genitals to others, even though they do not yet know the purpose of
their behavior[23]. Here is how to provide an explanation of sex education to children aged 1-5 years.

1) **Introduce the difference in the opposite sex**
Explain that God created men and women who had sex differences. This is what causes some things to
be different, such as how to dress, hair style, how to urinate. Explain also that boys when they are
older will be fathers and daughters will be mothers.

2) **Introduce sex organs**
Introduce sex organs to children can be done at the time of bathing the child. Briefly introduce the
child's organs such as hair, head, hands, feet, abdomen, and the child's genitals (penis / vagina).
Parents must also explain genital differences from the opposite sex.

3) **Avoid the child from possible sexual harassment**
Parents should explain to the child that genitals should not be displayed in vain. Parents also have to
explain if anyone touches her genitals without being noticed by parents, then the child should yell
loudly and report to his parents. Parents should also develop a sense of shame in children, for example
when out of the bathroom should wear clothes or a towel cover.

4) **Inform about the origin of the child**
Parents should also explain how the child originated. For example, a child will ask where he or she
came from or a common question such as the origin of the baby. Parents can explain that the child
comes from the mother's belly, for example while pointing at the pregnant mother's belly. Along with
age, explain that a child comes from a mother's ovum that is fertilized by a sperm that comes from the father. Parents should remind that conception should or may be done after married women and men.

5) **Preparing for puberty**

Parents should also explain to the child that as they get older, the child will experience change and development. Girls when already entering puberty will experience menstruation and breasts will begin to grow. While boys when it's entering puberty will experience wet dreams, body shape, and sounds that weigh.

4. **Result and Discussion**

4.1. **The Design of Teaching Material**

Protection of children, which has been dominant in the form of legal protection, but as urgent course early prevention is needed. One crucial step that can be done, is to prepare for maturity of sexual knowledge of children, in order to have the power filter against the arrival of sexual deviation from teaching him. The study began from a literature study that put pedophilia as serious problem that must be addressed by all aspects of government society educations and government itself either central or local government. The next step formulate the draft of teaching materials sex education along with indicators of achievement. which serves as reference in the manufacture of teaching materials on the subject of attitudes and values, namely PPKn. Through the application of sex education materials into this resource, it is expected that children are able to do the process of thinking and determining the best attitude that will be the choice of value. The design of teaching materials that can be seen in Table 1.

**Table 1. The Design of Teaching Material**

| Assessment | Indicator | Alternative Assessment |
|------------|-----------|------------------------|
|            |           | 1 | 2 | 3 | 4 |
| Material   | 1. Difference of the opposite sex | | | | |
|            | 2. Pedophilia mitigation | | | | |
|            | 3. Introducing sex organs | | | | |
|            | 4. How to avoid sexual harassment and pedophilia | | | | |
|            | 5. Knowledge of heredity and the origin of the fetus | | | | |
|            | 6. Preparing for puberty | | | | |
|            | 7. Legal knowledge of the types, traits, and rules governing deviant sexual behavior | | | | |
|            | 8. Gradual and tiered reproduction | | | | |
| Matter that suits the purpose of Sex Education | 1. Provides insight into the physical, mental, and emotional processes of maturity | | | | |
|            | 2. Reduce fear and anxiety about sexual violence | | | | |
|            | 3. Establish a whole attitude and understanding of sex | | | | |
|            | 4. Synergize with the moral needs of children | | | | |
|            | 5. Gives intact knowledge of deviant sex | | | | |
|            | 6. Providing knowledge about the fight against exploitation | | | | |
|            | 7. Prepare mentally and knowledge of deviant sex | | | | |
| The suitability of the content of the content with the function of attitude education | 1. Establish a positive attitude | | | | |
|            | 2. Forming a negative attitude | | | | |
|            | 3. Ego defense functions | | | | |
|            | 4. function value statement | | | | |
|            | 5. function of knowledge | | | | |
4.2. Use Case Diagram of Teaching Material Website

The Use Case Diagram can be seen in figure 1[23].

![Use Case Diagram](image)

**Figure 1. Use Case Diagram**

4.3. Discussion

Based on the results of the discussion, it can be seen that the existence of Sex Education will be able to reduce the level of pedophilia through a good understanding of a child about sexual deviant behavior and will complicate the pedophile in the conduct of the action.

5. Conclusion

As for the results of research there are several things that we can take as follows. First, sexual violence against children in Medan City has reached an alarming stage. Second, the negative impacts of pedophilia inflicted on children are so great that we must strive to ensure the safety of children. Third, children need to be given an understanding of sexual education so that it can make it easier for us to anticipate the presence of pedophile actors. Fourth, the existence of sex education material will be able to anticipate the development of pedophilia is quite worrying.

Acknowledgement

The research was supported by grants from DRPM Ministry of Research, Technology and Higher Education (KEMENRISTEKDIKTI) of the Republic of Indonesia.

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