



Skills in Completing KPSP: An Android-Based Pre-Developmental Screening Questionnaire of Diploma Midwifery Students

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ABSTRACT

Objective: To find out the description of student skills in filling in the Android-Based Pre-Developmental Screening Questionnaire.

Method: This type of research is descriptive quantitative, the population in this study is Level II Semester IV students of Diploma Midwifery STIKes Muhammadiyah Ciamis as many as 23 people, the sample is taken using a total sampling technique, namely, the entire population is sampled, the analysis used in this research is univariate analysis, an instrument using the Android-Based Pre-Developmental Screening Questionnaire filling assessment checklist sheet.

Result: The study's results showed that out of 23 students scored a quality of 4.0 with an A symbol, of 48%.

Conclusion: In this study, it can be concluded that student skills in completing the Android-based KPSP are declared to obtain a passing score.

Keywords: kpsp, midwifery student, pre-development, screening, skills

Introduction

Development is the addition of more complex body structures and functions in gross, and fine motor skills, speech and language as well as socialization and independence. The development of this child is significant to note (Rosenberg et al., 2008). Thus, the first five years of life is a period that is very sensitive to the environment or known as the golden period. However, research results show that children at this age experience developmental problems, and early detection and appropriate referral are very important. The delay occurs due to a lack of stimulation in the brain, causing less optimal development of gross motor, fine motor, and socialization skills (Fiva A Kadi, Herry Garna, 2008).

Stimulation is an activity that stimulates children's basic abilities to grow and develop optimally. This stimulation can be carried out by the closest family, mother, father and other closest family. Lack of stimulation causes disruption of child development (Apriningrum et al., 2018; Aulia Fauzi, 2020; Danaei G, Andrews KG, 2016; Yulianti et al., 2018).

Based on the problems above, the role of health workers is very important. These health workers, especially midwives, begin by first receiving education. One of the midwifery education programs in Ciamis Regency is the D3 Midwifery Study Program STIKes Muhammadiyah Ciamis. D3 Midwifery Study Program produces excellent graduates according to their competence (Prodi D3 Kebidanan STIKes Muhammadiyah Ciamis, 2019). One of the competencies that must be acquired by midwifery students is monitoring child development by filling out the Developmental Pre-Screening Questionnaire (KPSP). KPSP is an instrument used to determine normal child development or deviations .

In the implementation of practicum learning which is carried out online to achieve optimal values/results, a study guide is used in the form of an application obtained from the results of research conducted by lecturers of the Midwifery D3 study program. namely the Android-based KPSP design as a learning medium. The background of this research was that previously the KPSP was filled out manually/conventionally using sheets of paper, so a new breakthrough was made, namely an application that can be used on Android cellphones (Fauzi et al., 2021). The application can be used repeatedly as a learning exercise for student competency.

The competency of these students needs an assessment, especially in the skills to fill in the Android-based KPSP. This assessment is carried out in the learning process of neonatal, infant and toddler care courses as assignment values given to students. Several studies have shown that skills through online lectures produce good results and are in the graduate category.

Objective

The purpose of this study was to describe the description of students' skills in filling out the Android-based KPSP.

Method

This type of research is descriptive quantitative, the population in this study is Level II Semester IV students of Diploma Midwifery STIKes Muhammadiyah Ciamis as many as 23 people, the sample is taken using a total sampling technique, namely, the entire population is sampled, the analysis used in this research is univariate analysis, an instrument using the Android-Based Pre-Developmental Screening Questionnaire filling assessment checklist sheet.

Results

Table 1. Absolute Score Value of student skills in filling in the Android-based KPSP

Skill Value	F	%
≥ 90	3	13
≥ 80	8	35
≥ 75	11	48
≥ 70	1	4

Based on the table above, the highest score of student skills in filling in the Android-based KPSP is 90 with 3 people (13%).

Table 2. The value of the quality score of students' skills in filling in the Android-based KPSP

Skill Value	F	%
A	11	48
B+	11	48
B	1	4

Based on the table above, the value of student skills in filling out 48% of android-based KPSPs gets a value with the symbol A.

Discussion

Based on the results above, it can be explained that the acquisition of student skill scores through individual evaluation is above the passing standard value. From these results obtained a skill score of 48% with an A value and 48% with a B+ value. This value indicates that students have understood filling in the Android-based KPSP. This android-based KPSP is one of the research products in the form of an application carried out by lecturers of the D3 Midwifery Study Program STIKes Muhammadiyah Ciamis who have been tested before. In addition, students also have understood the material presented before.

From the aspect of benefits, most students have felt that the benefits of Android can help in learning activities, such as facilitating and helping learning and providing motivation. This android-based KPSP makes it easier for students to carry out practicum learning which was previously done conventionally in the form of papers that must be printed. Filling in the KPSP is important for students to do as learning will later be applied in the field. This KPSP is an instrument used to monitor child development, and determine whether the child's development is within normal limits or there are deviations. Android-based KPSP can help students learn and practice development monitoring screening directly anytime and anywhere.

As a midwife, you must be able to provide midwifery care to children under five, especially in monitoring the growth and development of children. This is one of the competencies that must be possessed (James P. Guevara, Marsha Gerdes, Russell Localio, Yuanshung V. Huang, Jennifer Pinto-Martin, Cynthia S. Minkovitz, Diane Hsu, Lara Kyriakou, Sofia Baglivo, Jane Kavanagh, 2013). The competence of midwifery experts is the ability possessed by graduates of the Three Midwifery Diploma Education which includes knowledge, skills and attitudes in providing midwifery services for newborns/neonates, infants, toddlers and preschoolers, during pregnancy, during childbirth, during the postpartum period, family services planning, and basic midwifery clinical practice skills (Prodi D3 Kebidanan STIKes Muhammadiyah Ciamis, 2019). A midwife also has the authority to provide child health services as stated in the Midwifery Law number 4 article 50 letter c.

In addition, one of the obligations of midwives towards their profession is that every midwife must always develop themselves and improve their professional abilities in accordance with developments in science and technology . KPSP based on android is an innovation in providing health services, namely in monitoring child development which can assist midwives in carrying out their duties (Myint et al., 2016).

The results of students' skills in filling in the Android-based KPSP became the basis for researchers to develop further midwifery practice. Students' understanding of filling in the Android-based KPSP will affect their willingness and ability to use this application.

Conclusion

The results of students' skills in filling in the Android-based KPSP became the basis for researchers to develop further midwifery practice. Students' understanding of filling in the Android-based KPSP will affect their willingness and ability to use this application. For next researchers, it is hoped that it will focus on understanding the communication theory that students carry out in conveying screening to parents.

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