

# Factors Related To Graduation Of The Alumni Competency Test Of D-III Midwife Students Jayapura Poltekkes Kemenkes Jayapura

Siska Olha Felle

Student Post Graduate Public Health Science of  
Cendrawasih University, Jayapura Indonesia

Samuel Piter Irab

Sarce Makaba

Assistant Professor Public Health Faculty of Cendrawasih  
University, Jayapura Indonesia

Hasmi

Yacob Ruru

Septevanus Rantetoding

Assistant Professor & Dean of Public Health Faculty,  
Cendrawasih University, Jayapura Indonesia

**Abstract:** *Competency testing is a process of measuring the knowledge, skills, and behavior of students at higher education in the health sector as one of the requirements for obtaining a Competency Registration Certificate, including midwifery, but the midwifery competency test graduation from 2018-2020 did not reach 55%. Motivation, learning methods and family support can be related to passing the midwifery competency test. The purpose of the study was to determine the factors associated with the passing of the D-III Midwifery Student Alumni Competency Test in Jayapura Poltekkes, the Ministry of Health, Jayapura.*

*This type of research is analytic observational with a cross sectional study approach. The population is the 2018-2020 D-III Midwifery student alumni who take the competency exam. The sample is 63 people. data obtained using a questionnaire and analyzed using chi square.*

**Research results** *There is a relationship between learning motivation and passing the competency test of alumni of D-III Midwifery Jayapura Poltekkes Kemenkes Jayapura (p-value 0.002; RP = 2,293 CI95% (1.443-3.645). There is a relationship between learning methods and passing the competency test for D alumni -III Midwifery Jayapura Poltekkes Kemenkes Jayapura (p-value 0.007 RP = 2.112 CI95% (1.29 – 3,437) There is a relationship between learning method and passing competency test of alumni of D-III Midwifery students of Jayapura Poltekkes Kemenkes Jayapura (p-value 0.002 RP = RP = 2.171 95% CI (1.378-3.421).*

**Keyword:** *Graduate, Competency Test, D-III Midwife Student*

## I. PENDAHULUAN

Health higher education has internal challenges and global challenges. The internal challenge is quality health services and prioritizes patient safety, while the global challenge is the challenge in responding to the priorities of the AEC (ASEAN Economic Community), namely that graduates of health workers must be able to compete with health workers

from other countries in the world of work. The relevance of the competence of graduates to the needs of the community and the health system has not been met, so it is necessary to improve the quality of midwifery education and the quality of health workers. (Ministry of Health Data and Information Center, 2014).

Quality education is a learning achievement obtained in the learning process, so efforts to improve it are things that

must be done well. Education quality assurance aims to protect the public in order to obtain services from educational outcomes as promised by education providers. The quality of education is influenced by many factors, namely students, education managers, environment, quality of learning, curriculum, infrastructure and financing (Stronge, 2017).

Competency Test (UKOM) is a method to evaluate the cognitive, affective and psychomotor abilities of health workers. UKOM is one of the quality management instruments, namely applying nationally applicable standards to produce information to make decisions about how education has met the standards, including whether students meet the quality standards applicable to the level/type of education taken. Health workers who pass the competency test will be given a competency certificate as evidence of recognition of their competence, as the basis for registration and licenses/licenses to carry out professional work. This is intended so that services to the community throughout Indonesia have the same quality standards. Competency testing is a prerequisite for obtaining a competency certificate or professional certificate which is followed by students in the health sector at the end of their education period. Competency tests are held by universities in collaboration with professional organizations, training institutions or accredited certification bodies (BPPSDM, 2017).

Competency testing is a process of measuring the knowledge, skills, and behavior of students in health universities. The basis for implementing the Competency Test includes Law no. 36 of 2014 concerning Health Workers, Law no. 38 of 2014 concerning Nursing, Law no. 4 of 2019 concerning Midwifery, and Permendikbud No. 2 of 2020 concerning Procedures for Implementing Student Competency Tests in the Health Sector. In addition, the Competency Test is an effort to guarantee the quality of graduates, implement the curriculum and serve as the basis for developing the quality of education in the health sector for the relevant ministries.

Participants who pass the national competency test will get a competency certificate for graduates of vocational health education, or a professional certificate for graduates of professional education. "Certificates of competence or professional certificates are used as requirements for obtaining Registration Certificates (STR) and Practice Permits (SIP) for Health workers. STR is a requirement for health workers to be able to practice or work in the X/2018 period and 13,146 participants in the XI/2018 period. The average pass rate for the period is still low, namely 55%. In 2020 the percentage of passing the competency test for midwives in Indonesia is 60.7%, (KEMENDIKBUD RI, 2020).

Competency Test is the final stage for a midwife to get competent qualifications. This competency test, hereinafter referred to as UKOM, is a very frightening specter for every alumni who will face it, especially for alumni who do not have the preparation. Is it true that students do not have preparation for the exam? In fact, preparation for studying has been carried out, namely studying for 3 years, but there are still many alumni who still fail the competency test and the possible causes are the many responses from fate, lack of preparation, lack of confidence, not knowing how to read the questions and many others.

Competency tests are carried out to achieve graduates who meet performance competency standards. Midwife competencies are oriented towards the quality of performance in providing comprehensive midwifery services. In connection with the above background. Based on the results of a preliminary study conducted at the D – III Midwifery Study Program, Department of Health, Poltekkes, Ministry of Health, Jayapura, the 2018 Diploma III Midwifery competency test was attended by 55 participants with a pass percentage of 40%. The competency test in 2019 was attended by 48 participants with a passing percentage of 52.8%. The competency test in 2020 was attended by 40 participants with a passing percentage of 70%. The Competency Test in 2021 was attended by 43 participants with a passing percentage of 98% where in 2021 they used a different assessment system in the previous year.

There are various factors that can affect the pass rate in taking the competency test. Factors that have a significant influence on students' ability to pass the competency test are academic factors, cognitive factors, and individual factors (Sears et al., 2017). Sutriani's research results found that GPA was related to UKOM graduation for Midwifery D3 students (Sutriani, 2020). The results of research by Ayu Hartni, et al. found a relationship between readiness, academic achievement and the role of institutions with UKOM graduation (Hartina et al., 2018). The results of Ustawun Hasanah's research found a relationship between motivation and passing the Competency Test (UKOM) (Khasanah et al, 2017). The results of Alvin Abdullah's research found a relationship between learning styles and UKOM graduation (Abdillah, 2016).

The aim of the research is to find out the factors related to the success of UKM in D-III students of Midwifery Poltekkes Jayapura?

## II. SUBJECT AND RESEARCH METHODS

This type of research is analytic observational with a cross sectional study approach. The population is the 2018-2020 D-III Midwifery student alumni who take the competency exam. The sample is 63 people. data obtained using a questionnaire and analyzed using chi square.

## III. RESULTS AND DISCUSSION

### A. LEARNING MOTIVATION WITH SUCCESSFUL PASSING OF THE D-III MIDWIFERY COMPETENCY TEST

The results of the study obtained that there was a relationship between learning motivation and passing the competency test for alumni of D-III Midwifery Jayapura students, Poltekkes, Ministry of Health, Jayapura. The low learning motivation of D-III midwifery students has a chance of not passing the competency test by 2.293 times higher than that of D-III midwifery students who have low learning motivation.

Research in line with research conducted by Khasanah (2017) found that there was a relationship between student

learning motivation and passing the midwifery competency test. Lack of motivation to prepare properly for the competency test, such as holding a try out at least 3 times, causes low motivation for midwifery students.

The internal motivation to study in midwifery students is high due to the motivational factor to easily get a job because the development of education and the adoption of the world of midwifery work is supported by the requirement for midwifery competency test graduates. On external factors, it was found that high learning motivation was caused by female students getting motivation from the support from the Midwifery Study Program in giving try outs to prepare for the competency exam.

The results showed that the low learning motivation of D-III midwifery students had a 2.293 times higher chance of not passing the competency test than those of D-III midwifery students who had low learning motivation. This can be seen from the results of the graduate test which did not reach 52% of the graduates of the D-III midwifery student alumni in 2018-2020.

Motivation is a psychological condition that encourages a person to get good learning outcomes. This motivation is a driving force that causes behavior towards a goal. Learning motivation is very necessary because someone who does not have the motivation to learn will not carry out learning activities well (Hadina, 2017). The strategy taken so that the graduation rate reaches the specified standard is by designing a special curriculum.

Learning motivation is very important in achieving good learning achievement because motivation in learning is an important factor where it is a condition that encourages students to learn. Motivation has a role in determining one's perseverance in learning. Someone who has been motivated to learn something will try to learn it well and diligently. With the hope of obtaining good achievements (Astuti, 2021).

The high motivation of D-III Midwifery students in the readiness of educational institutions to motivate students to face midwifery competency exams can help students mentally prepare for the exam. There are institutional efforts to provide tutoring or debriefing in the face of competency tests so that students have thorough preparation for the exam. The institution requires students to take part in a try out held by the Association or the Ministry of Education and Culture, and the institution holds an internal try out every semester. Creating group discussions to discuss UKOM standard questions so that students are often exposed to questions that will increase students' understanding in facing the exit exam.

The low graduation rate for midwifery D-III student alumni in 2018-2022 is due to the lack of motivation from good students to seek and study well. Students who have good motivation will try to study well and pursue competency targets as required by education. Student motivation can be done by taking extra tutoring and getting tutoring and preparing for the competency test by increasing the number of practice case questions, as well as studying lecture material, especially midwifery care competency test material.

## B. LEARNING METHOD BY PASSING THE COMPETENCY TEST FOR ALUMNI OF D-III MIDWIFERY STUDENTS JAYAPURA POLTEKKES KEMENKES JAYAPURA

The results showed that there was a relationship between learning methods and passing the competency test for alumni of D-III Midwifery students in Jayapura, Poltekkes, Ministry of Health, Jayapura. The learning method of D-III midwifery students who have a low chance of not passing the competency test is 2.112 times higher than that of D-III midwifery students whose learning methods are lacking.

The results of research conducted by Abdillah (2016) show that there is a relationship between learning styles and UKOM graduation for nursing students. This research is in line with previous research conducted by Kismiyati (2019) that the learning method by following tutoring has an effect on passing the competency test on students. Learning methods with enrichment and provision of analysis of questions in the form of vignette, analysis of try out questions in each department and conducting internal try outs for final year students before conducting a national competency test. Poltekkes Kemenkes Jayapura also periodically conducts departmental item workshops and item reviewers for lecturers to improve the ability of lecturers to make competency test questions.

The learning method applied from the Midwifery Department Campus to D-III Midwifery students can provide input on good learning methods or methods in preparing for competency exams. However, the efforts of the student learning method are not applied anymore at home, so that mastery of the material is lacking. The application of good learning methods applied by D-III students of Midwifery Poltekkes Kemenkes Jayapura there were several students who did not pass. This is related to self-confidence or experiencing anxiety when taking the midwifery competency exam.

The failure of students in the competency test due to small errors that often occur in filling out the computer answer sheet (LJK) which can result in failure to pass are: first; Participant's identity is not filled in/incomplete, the absence of identity on the LJK will be considered as the participant's inability to take the exam. Second; question code, this small error often occurs and the effect is very fatal because because of the wrong question code, the key applied is also wrong. Third; the use of pencils, many participants underestimate the use of pencil 2b even though in the scanning process it will be a problem or blacken less black then the scan results are also not optimal. Therefore, tryout exercises need to be carried out maximally and repeatedly, so that students are ready to take the competency exam.

The learning method used is the key to developing performance in learning. It is necessary to realize how one person absorbs and explores information and can make learning and communicating easier with their own style. Some students can learn best with facilities such as books, internet media and group tutoring. However, from the results, there are students who study best in groups, while others choose to study alone which is the most effective for them (Qodriyah, 2011).

Anxiety is an individual's emotional status that arises from environmental conditions, both from within and from the external environment against the threat of perceived danger so that feelings of discomfort, discomfort, fear, anxiety and guilt arise and anticipate possible threats that will occur (Lungguh, 2018). . Anxiety that often occurs in students is when they face things such as exams. Factors that influence the occurrence of anxiety in students when facing competency tests include test supervisors, test sites, skills, and feelings of fear, nervousness and worry about not passing the test or distrust of one's own abilities will succeed in the competency test (Malfasari, 2018).

Increased student understanding and mastery of learning materials will reduce student anxiety levels and increase student confidence in the learning process, so that psychological readiness, mind power and a healthy body are needed (Buhari et al., 2020). To achieve optimal learning outcomes requires a strong level of awareness and high motivation from the students themselves, and vice versa if students are not ready the results will not be in line with expectations (Nabillah et al, 2020).

Self-confidence is a basic psychological condition in order to achieve success in doing something as expected. The higher the student's self-confidence, the lower the anxiety and the less doubt. A person whose learning method is good but lacks self-confidence can lead to low grades he receives. This needs to be emphasized to students to continue to practice alone at home by trying or repeating try outs at home, so that midwifery students are well prepared. With good learning methods and good self-control skills, it will be optimal in obtaining a midwifery competency test pass.

#### C. THE RELATIONSHIP BETWEEN FAMILY SUPPORT AND PASSING THE COMPETENCY TEST FOR ALUMNI OF D-III MIDWIFERY STUDENTS IN JAYAPURA POLTEKKES KEMENKES JAYAPURA

The results showed that there was a relationship between learning motivation and passing the competency test for alumni of D-III Midwifery Jayapura students, Poltekkes, Ministry of Health, Jayapura. Family support that is less supportive of D-III midwifery students has a chance of not passing the competency test by 2.171 times higher than that of D-III midwifery students whose families support the passing of the competency test. This is in line with Lestari's research (2021) that family support has an effect on passing the competency test of Midwifery D-III students.

Family and parental support is one of the psychological needs for children entering adolescence, if this need is not met it will result in a child not having much motivation in learning. Several factors of learning achievement are influenced by two factors, namely internal factors and external factors. Internal factors are factors that come from within students which consist of psychological factors (intelligence, attitude, talent, interest and motivation) and physiological factors (illness or disability). External factors are factors that come from outside the student which includes the social environment (parents/family). The family environment in question is how parents can have a good or bad impact on learning activities and student learning outcomes.

Family support for D-III Midwifery students in the less supportive category as many as 15 people (78.9%) did not pass the competency test and family support for D-III Midwifery students in the supportive category as many as 16 people (36.4%) did not pass the competency test midwifery. Researchers identified that between family and peer support the positive category. The family is the first place for a child's personal development. Children begin to learn various things that are important for their lives, both as social beings and as individual beings in their families. How children carry out their roles in the future is more or less determined by what they get from the family, such as sharing experiences, giving or receiving, carrying out existing values and norms, distinguishing what is good or bad, right or wrong. Through the family too, children learn various things that are needed in their social life in society

According to Pierce (in Yigzaw, 2015) social support is a source of emotional, informational or assistance provided by people around the individual to deal with every problem and crisis that occurs everyday in life. Adequate group support makes it easier for graduate nurses to adjust to their environment, thus creating peace of mind when taking competency exams.

UKOM graduation for Midwifery D-III students is a form of success in the learning achievement of midwifery students, where learning success can never be separated from the support of several internal and external factors. One of them is family/parental support. Family and parental support is one of the psychological needs for students, if this need is not met it will result in a child not having much motivation in learning.

Basically, the parents of the D-III Midwifery Study Program students have given great support to their children to study seriously, but this support is not comprehensive, only limited to reminding their children to keep studying, facilitating their learning needs and financing their needs. student finances. As for the encouragement related to the achievement of UKOM graduation, the parents have not been fully. This is because there are still many parents who do not know much about and understand UKOM.

The UKOM trial was introduced in 2013, where the UKOM was first implemented in 2015 so it is only natural that parents/families don't know much about UKOM. There are still many parents who understand that the level of education is only up to D-III Midwifery graduates without knowing the results of the UKOM test. Regarding the requirements that must be possessed by students when they finish undergoing the D-III Midwifery Study Program, namely Passing the Competency Test with evidence of the issuance of Registration Certificate (STR), parents do not understand it much. Therefore, it is necessary to increase socialization related to UKOM to students' families/parents.

Family is an undeniable component for the achievement of a teenager. Parental involvement with peers, apart from being an important source of emotional support throughout the adolescent transition, can also be a source of stress for adolescents.

The results of this study found that family support had a significant relationship with the UKOM graduation achievement of D-III Midwifery students. However, there are midwifery students whose families support but these students

are not successful in achieving the midwifery competency test pass. Family social support as a source of emotional, informational or assistance provided by people around the individual to deal with every problem and crisis that occurs everyday in life.

There are several interventions that can improve UKOM graduation results, namely group support during tutoring and tryouts. Conditions in the field, between groups of students from the Midwifery D-III Study Program, provide mutual support to their friends, especially regarding the Competency Test (UKOM). However, on the other hand, they too are in the same situation, namely preparing themselves to achieve the predicate of competence at UKOM to get STR. So that the support provided by a good family does not fully provide the success of the competency test, but also from high motivation to study and prepare for the midwifery competency test graduation.

#### IV. CONCLUSION

Research results There is a relationship between learning motivation and passing the competency test of alumni of D-III Midwifery Jayapura Poltekkes Kemenkes Jayapura (p-value 0.002;  $RP = 2,293$  CI95% (1.443-3.645). There is a relationship between learning methods and passing the competency test for D alumni -III Midwifery Jayapura Poltekkes Kemenkes Jayapura (p-value 0.007  $RP = 2.112$  CI95% (1.29 – 3,437) There is a relationship between learning method and passing competency test of alumni of D-III Midwifery students of Jayapura Poltekkes Kemenkes Jayapura (p-value 0.002  $RP = RP = 2.171$  95% CI (1.378-3.421).

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