

Health Counseling to Increase Ma'arif MA Students' Knowledge of Covid 19 Vaccination

Novriyanti Lubis^{1*}, Novita Rosalia², Sution³, Putri Widia⁴, Robi Asran Nugraha⁵
Syifa Aladawi⁶, Ikbal Taufikurohman⁷

^{1,2,3,4,5,6,7}Universitas Garut

*Corresponding author, e-mail: novriyantilubis@uniga.ac.id.

Abstract

Starting the new academic year 2021 of Indonesian education, since the COVID-19 pandemic, the government plans to implement new policies, one of which is the implementation of vaccines for students, where the aim is to accelerate the prevention of COVID-19 in Indonesia and can also be used as a requirement for schools to hold face-to-face learning advance. To support this government program, everyone 12 years of age and older in now eligible to get a Covid 19 vaccination the University Pharmacy team through the Community Service Program in Cikelet village wants to contribute knowledge and knowledge to Madrasah Aliyah Ma'arif school students through health education on the topic of the importance of vaccination for students. The activity begins with a pretest and then provides counseling related to the topic vaccination and continues with a posttest where the expected output is an increase in students' knowledge of the material.

Keywords: Covid-19; Health Socialization; Students; Vaccination.

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Introduction

Cikelet village has several senior schools and madrasah aliyah with a large number of students. For almost 18 months, the schools are conducting distance learning or online. Entering the new academic year 2021, the world of education in Indonesia and the government is currently focusing on organizing a vaccination program that will be carried out simultaneously and gradually in schools in all regions of the archipelago. It is hoped that this program can be the first step for the world of education to start the face-to-face learning system again after almost a year and a half vacuum due to the COVID-19 pandemic. All Schools at Cikelet village, almost adopted the learning system combination online and offline depend on the situation and base on agreement between student parent and school authorities.

Vaccination can provide students with self-protection against the corona virus, learning process direct in school can take place safely. Currently there are several strategies in the development of vaccination where the general goal is to build human immunity (Tim Kerja Kementerian Dalam Negeri, 2020). Immune system is the body's immune ability to fight infection, eliminating the work of toxins and other virulent factors that are antigenic and immunogenic. Antigen itself is a substance or compound that can stimulate the formation of antibodies. Antigens can be proteins, fats, polysaccharides, nucleic acids, lipopolysaccharides, lipoproteins and others (Siswanto. et al., 2014).

Madrasah aliyah Ma'arif is one of the schools in Cikelet village, until September 2021 the students at the school have not been given the covid 19 vaccine, while since the new school year, the learning system there has been done face-to-face, Seeing this problem through the KKN program by group 4 from the Department of Pharmacy, Garut University wants to contribute to the government's programe for the success of national vaccination for students. Based on circular letter no. 02.02/I/1727/2021 from the Ministry of Health of the Republic of Indonesia regarding the provision of vaccines to children aged 12-17 years which aims to reduce the spread of the COVID-19 virus in the school environment (Kementerian Kesehatan RI, 2021). The education provided to these students by way of counseling through brochures, it is hoped that

after this socialization an increase in students' knowledge about the importance of being vaccinated and the need for students to study offline can be carried out properly and with a sense of security.

Metode Pelaksanaan

The activity is carried out in two stages, namely the preparation stage and the implementation stage which will be explained as follows:

Service Team Preparation Stage

1. The Service Team from the Uniga Faculty of Pharmacy held a team coordination meeting to prepare, by paying attention to listening to the problem of readiness of Cikelet village school students to be vaccinated
2. The community service team coordinates school teachers, discusses effective counseling or socialization methods, class meeting schedules are arranged by an odd and even absent number system. In addition, educational preparations related to the implementation date and the determination of the number of participants were also discussed.

Activity Implementation

The service method used is counseling with the aim of building education and increasing awareness and knowledge of MA Ma'arif School students in Cikelet village, which is carried out in several stages.

1. As the beginning of the activity, an online pre-test and manual questionnaire were conducted regarding knowledge about the importance of being vaccinated.
2. Counseling is carried out by providing material through brochures with the title "Vaccine is important, why is it?" followed by direct discussion.
3. Evaluating the increase in students' knowledge through pre and post test of extension materials.

Result and Discussion

An important vaccination counseling activity for students will be held in September 2021 located in Cikelet village and the counseling team comes from the Garut University Pharmacy team from group 4 KKN in Cikelet village. The students who attended the counseling came from the MA Ma'arif school consisting of grades 1, 2, and 3 with the following percentages.

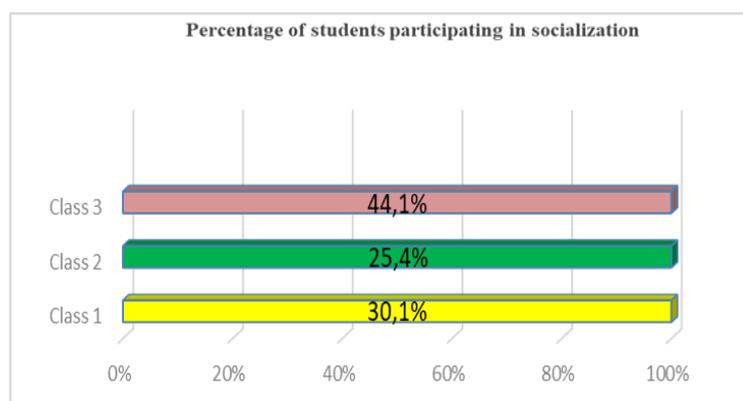


Figure 1. Total of Students

The total of students who participated in the counseling about vaccines was 60 people spread from several classes, and the most who participated in the socialization were from grade 3, namely 44%. During the implementation of school activities, the face-to-face system applies odd and even absentee numbers, so that the number of students attending is quite limited. Schools are currently of great concern to the government, because during this pandemic apart from functioning as a facilitator where face-to-face learning takes place, schools may also cause a greater spread of the Covid 19 virus (Wiguna et al., 2021).

The counseling activity begins with a pre-test, where this test wants to know the knowledge of the students on everything or information related to the Covid 19 vaccination. There are several criteria for asking questions ranging from general knowledge to specific ones based on theory. The provision of the Covid 19 vaccination is currently one of the methods being designed by the world by involving various world institutions ranging from WHO (World Health Organization) to the Ministry of Health of the Republic of

Indonesia, where the goal is to build body resistance to deal with the virus (Luke & Triyani, 2020). With this counseling, students' knowledge about Covid 19 vaccination can increase and with their own awareness students want to be vaccinated immediately without any fear or compulsion. The following are the results of the data obtained by the KKN team from Uniga Pharmacy before and after socialization to students.

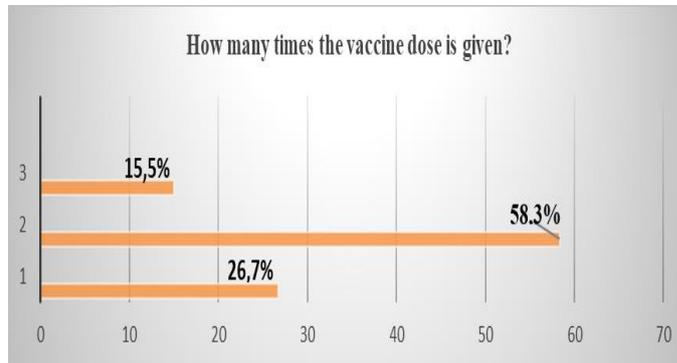


Figure 2. Before socialization

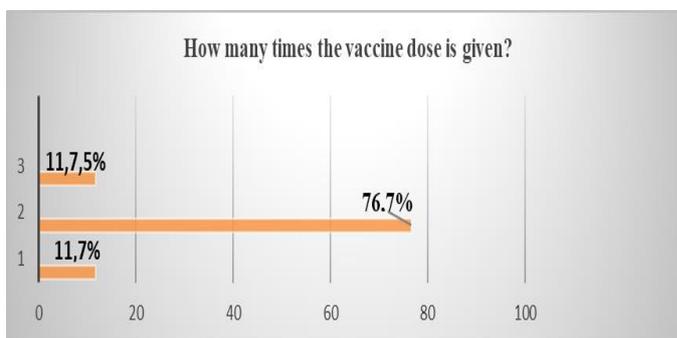


Figure 3. After socialization

There was an increase in students' knowledge of the dose of vaccine, before and after counseling, from the data it can be seen that there was an increase of 9%. Thus the counseling that has been given brings positive things. The team from Uniga pharmacy explained to the students that the vaccine dose was given twice, the distance between the first dose and the second dose was no longer than 28 days and it also depends on the type of vaccine. COVID-19 vaccines also help keep you from getting seriously ill even if you do get COVID-19 (Kementerian Kesehatan RI, 2021).

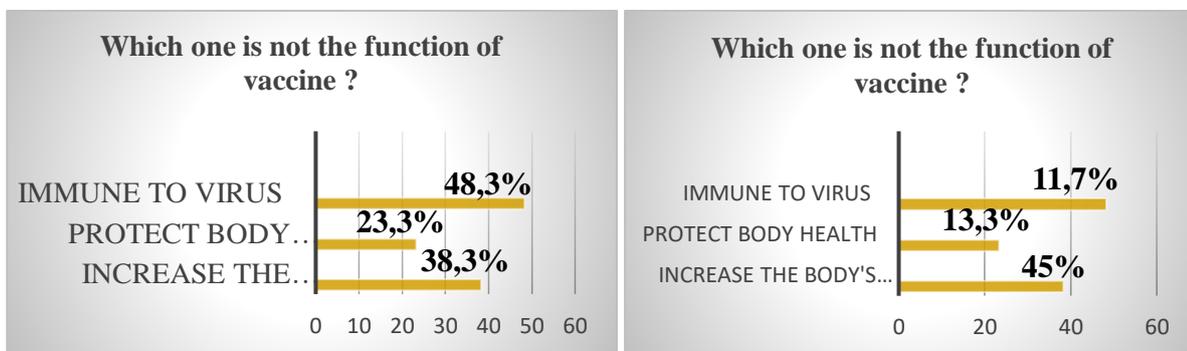


Figure 4. Percentage of students' knowledge base on Vaccine function

From the data above, it shows that the MA Ma'arif school students' level of knowledge about vaccination before socialization is included in the category of the function of vaccine with a fairly good level of knowledge. Some of students missing the information about the function of the vaccine even though after join socialization, the percentage is 11,7%. KKN team try to explain more about the theory of vaccine.

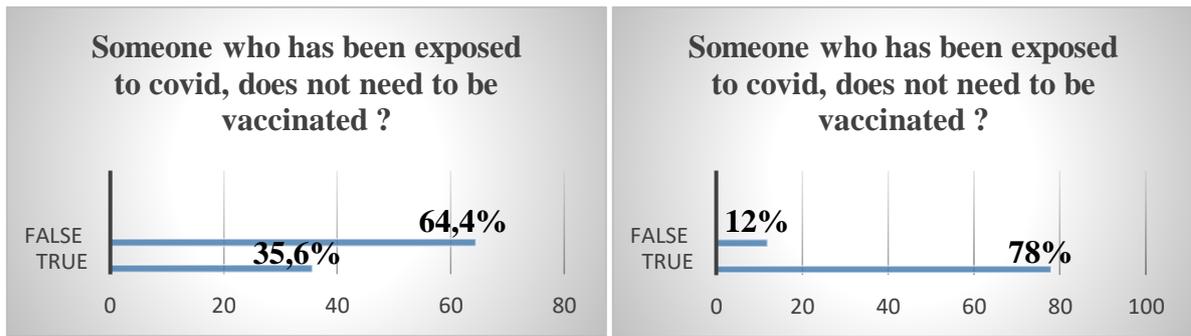


Figure 5. Percentage of students' knowledge base on Vaccine given

Base on the question, Someone who has been exposed to Covid, does not need to be vaccinated? The data show that 35,6% students can answer correctly before socialization and 78% after socialization. The level of students knowledge is increase significant, its mean, their can understood about the material vaccine that was given by Pharmacy Uniga team. Education about vaccine Covid 19 is important for student's MA Maarif. This data is obtained from all grade levels, without taking into account the effect of counseling on the grade level, this technique can be categorized as a non-probability sampling technique and also only based on the number of students who attended that day (Pramodya et al., 2016). Besides this, the KKN team also assumed that the Covid 19 vaccination was a new condition as a result of the Covid 19 pandemic series, so that there was limited knowledge from students.

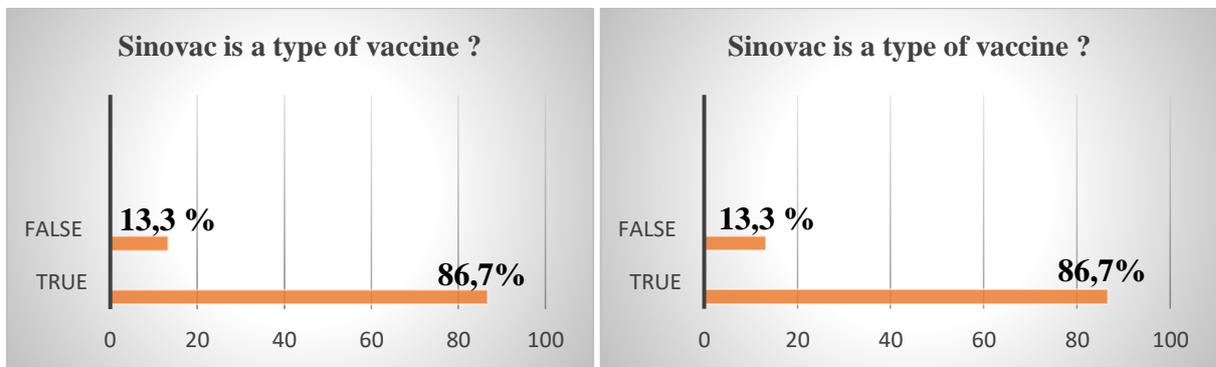


Figure 6. Percentage of students' knowledge base on type of vaccine

Some of vaccine type is popular base on student's knowledge. In this section, pharmacy Uniga try to explain how the vaccine is work, Learn how the body fights infection and how Covid 19 vaccines protect people by producing immunity. Also see the different type of Covid 19 vaccine (WHO, 2020). There is no different result from before and after socialization. There so many type of vaccine in Indonesia like Sinovac, Moderna, Pfizer, AstraZeneca, and etc.

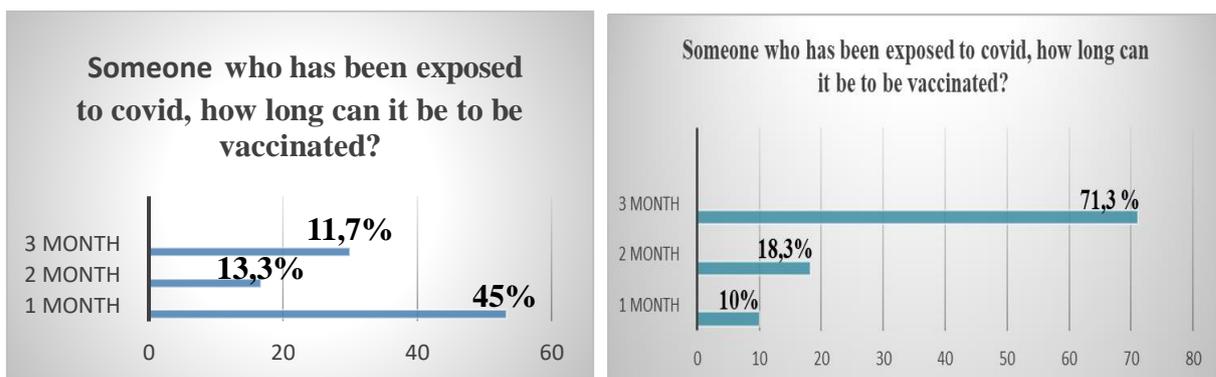


Figure 7. Percentage of students' knowledge base on Vaccine treatment

From the data before socialization, 55% students did not know about vaccine treatment. Team KKN 4 should explain about this case, someone can get a COVID-19 vaccine and other vaccines, including a flu vaccine, at the same visit. Experience with other vaccines has shown that the way our bodies develop protection, known as an immune response, and possible side effects after getting vaccinated are generally the same when given alone or with other vaccines (Wiguna et al., 2021). After socialization, their correct answer is 71,3%.



Figure 8. Brochure on the importance of Vaccines

This extension brochure was made or designed by the Faculty of Mathematics and Natural Sciences, then it can be used by all KKN groups for socialization. There are several ways that are most effective in conveying health information according to experts, especially when it comes to health media, one of which is through brochures (Apriyani & Sumerti, 2015). Through this media students can read the information repeatedly and can also give the brochure to others to be forwarded. In addition, through this health education counseling, the communication skills of the pharmacy team were also tested. According to experts, how to convey information must first pay attention to the character of the participants by using language that is not too difficult and can be understood by students (Nasution et al., 2020). This is some documentation of activities during counseling at the MA Ma'arif school, followed by several grade levels with a total of 60 students.



Figure 9. Activities socialization

After pretest, team pharmacy Uniga held question and answer session with all the participation socialization. From this activity they have many advantage knowledge such as all COVID-19 vaccines currently available in Indonesia specially west java are effective at preventing COVID-19 as seen in clinical trial settings. COVID-19 vaccination is an important tool to help stop the COVID-19 pandemic. Some people who are fully vaccinated against COVID-19 will still get sick because no vaccine is 100% effective. Experts continue to monitor and evaluate how often this occurs, how severe their illness is, and how likely a vaccinated person is to spread COVID-19 to others.

After the series of activities have been completed, finally the last question was given to all the counseling participants, the question is "Are you ready to be vaccinated?". Here are the data obtained.

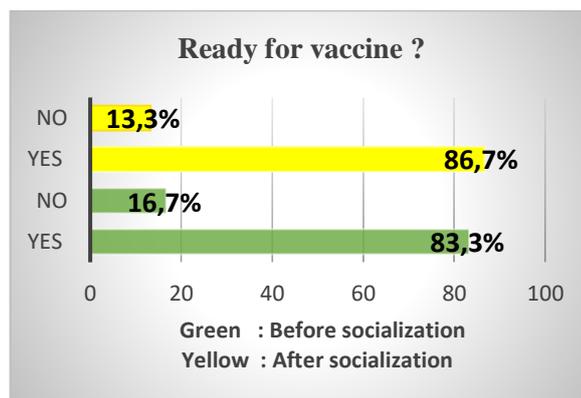


Figure 10. Opinion of Students to be Vaccinated

Based on the Presidential Decree dated 3 September 2020 number 18/2020 stipulates the formation of a COVID-19 vaccine development team under the supervision of the Coordinating Minister for Economic Affairs (Luke & Triyani, 2020). In the counseling, the Uniga Pharmacy team gave several theories related to the body's immune system, because some of the students had heard the term immunogen for the first time. Explained at the time of socialization immunogen is a compound that can stimulate the formation of immunity. If the nature of the compound is specific so that it can stimulate the formation of protective antibodies, it is called immunogenic. Therefore, if students have been vaccinated, the body's immune system will increase so that the body's ability to fight the virus is stronger (Siswanto. et al., 2014). From the explanation before the socialization, only 83% of students were willing to be vaccinated, after the counseling it increased to 86.7%. Students who are not willing to be vaccinated have several reasons including fear of needles, fear of side effects from vaccines and so on. It is expected that in the future 13.3% of these students are willing to be vaccinated so they can protect themselves and not harm others. The Ministry of Health through the Directorate General of Disease Prevention and Control issued a circular letter to accelerate COVID-19 vaccination for heads of provincial and district/city health offices, as stated in Circular number HK.02.02/I/1727/2021 concerning Phase 3 Vaccination for Vulnerable Communities, Other General Public, and Children aged 12-17 years. Vaccination for children aged 12-17 years can be carried out in health care facilities or at schools or madrasas in coordination with the Education Office and the local Kanwil/MoRA Office to facilitate data collection and monitoring of implementation. This circular is effective from 1 July 2021 (Rokom, 2021).

Conclusion

The outreach activity regarding the importance of students getting the Covid 19 vaccination has gone well and smoothly which was attended by 60 students from the MA Ma'arif school. The material is provided by the Uniga Pharmacy team. There is an increase in students' knowledge before and after socialization of the topics presented, thus it can be interpreted that students can accept the information that has been given related to vaccination well. A total of 86.7% of MA Ma'arif school students are willing to be vaccinated.

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