

## Maritime Vaccination Attack Operation to the Communities of South Kalimantan Jointly in Banjarmasin

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### ARTICLE INFO

*Keywords:* Maritime, Vaccination, Health

*Received :* 21, November

*Revised :* 23, December

*Accepted:* 25, January

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### ABSTRACT

Based on the background behind the Team Program Devotion Community (PKM) Nusantara Maritime Academy Banjarmasin is one of the institutions that engaged in the field of helpful commercial and port shipping management education to solve problems faced by College Buddhist Bodhicitta Medan with the title PKM: "Socialization and Covid-19 Vaccination for Educating Staff As well as Education In Nusantara Maritime Academy Banjarmasin. Based analysis situation That has been displayed. So formulation problem on PKM is: How method give an understanding of the importance of vaccination against COVID-19 in the period pandemic moment How is this give COVID-19 vaccination during the pandemic for teaching and education staff in College Banjarmasin Nusantara Maritime Academy.

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## INTRODUCTION

In the era of technological change occurring in the world of education, face-to-face learning The face that is carried out at school, suddenly experiences significant changes very drastic become learning in network. And, not Can denied almost 100% of students are affected As a result of the Covid-19 pandemic, Effort the addressed to public so that can done For disconnect chain spread pandemic covid-19 Which happen moment This. Impact Study with method Online nor Offline Still leaving problem, including internet networks, also internet quota and students and people old Already bored with problem This including power educator, So from That This vaccination is very important. According to (Nuriani, 2021) states that Another problem that has arisen from this pandemic is the occurrence of false information about the virus and the uncertainty of the future. So socialization is needed about Covid-19 pandemic And method prevention. Educators and Education it is indeed a priority in the second stage of vaccination, because if teachers can finish being vaccinated, then then they can return to school even though they are not yet at the teaching stage However For prepare his school. Matter This in accordance with Letter Circular Together with the Minister of Health, Minister of Education and Culture, Minister of Religion, Minister of Home Affairs of the Republic of Indonesia Number HK.02.01/MENKES/524/2021, Number 4 years 2021 And Number 440/2142/SJ regarding Implementation Vaccination for Group Target Educator And Power Education in Frame Countermeasures Pandemic *Corona Virus Disease 2019 (Covid-19)*.

Educators are the front guard in education, therefore Power Educator need made aware importance vaccination so that can undergo face-to-face learning process. Educators must be vaccinated because preparation for face-to-face learning. With this vaccine, everyone power educators can maintain health and maintain body immunity from the pandemic Covid 19. Expected with exists vaccination power educator And power education in schools can be healthy so that later schools can reopen in the context of continuing the learning process during the COVID-19 pandemic And acceleration implementation learning stare advance. Where the Banjarmasin Nusantara Maritime Academy is one of the institutions operates in the field of commercial and port shipping management education . In it there are a number of Educators And education. For support program government Indonesia And support activity learning, so The Banjarmasin Nusantara Maritime Academy is one of the institutions operates in the field of commercial and port shipping management education as one of the formal educational institutions that provides service to the community holds socialization and vaccinations, it is hoped that the Educators and education so that they are not afraid to be vaccinated, because vaccination is very good For prevent infected Covid-19 virus.

Based on background behind the, we Team Program Devotion Community (PKM) Nusantara Maritime Academy Banjarmasin is one of the institutions that engaged in the field of helpful commercial and port shipping management education solve problem Which faced College Buddhist Bodhicitta Medan with the title dedication to community : "Covid-19 Socialization and Vaccination for Educators As well as Education In Nusantara Maritime Academy Banjarmasin .Based analysis situation Which has displayed. So formulation problem on devotion to these communities are: How method give understanding about importance vaccination COVID-19 in period pandemic moment This , How give COVID-19 vaccination during the pandemic for teaching and education staff in College Banjarmasin Nusantara Maritime Academy .

Disease Coronavirus Disease (COVID-19) is disease Which attack channel Respiratory Which caused by virus Corona or Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-COV-2) (RI Ministry of Health, 2020). This virus originates from China. Then given Name Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-COV-2) And cause disease Corona Virus Disease 2019 (COVID-19). Coronavirus is family big virus Which cause disease on man And animal. On man usually causes respiratory tract infections, ranging from the common cold to disease serious ones such as Middle East Respiratory Syndrome (MERS) and Acute Respiratory Syndrome Severe / Severe Acute Respiratory Syndrome (SARS). This disease mainly spreads among people through respiratory droplets from coughs and sneezes. This virus can survive until three days or for 72 hours on plastic and stainless steel surfaces , less than 4 hours on copper and less from 24 hours on cardboard box (Indonesian Ministry of Health, 2020)

In Indonesia, the Covid-19 vaccination program began to be implemented on January 13 2021. The first injection of the vaccination was given to the President of the Republic of Indonesia, Joko Widodo in Palace Independent, Jakarta. President Jokowi Also become head 10ector First Which injected vaccine Covid-19, that is Sinovac in world. Matter This done To use increase public confidence in the safety of the Covid-19 vaccine that the government has been working on (Fanani, 2021: merdeka6.com). On the news release page issued by the Ministry of Health title "Vaccination Covid-19 Done Gradually" explained that For ensure The implementation of the vaccination is going well, service facilities are required to be ready health services that will carry out Covid-19 vaccination include community health centers and their networks, hospitals, and clinics owned by the government (ministries/institutions/TNI/Polri/Pemda) and private, as well as port health office (kemkes.go.id: 2020).

Most Coronaviruses infect animals and circulate in animals. Coronavirus causes a large number of diseases in animals and its ability to cause disease heavy in animals such as pigs, cows, horses, cats and chickens. Coronavirus is called a virus Zoonotic are viruses that are transmitted from animals to humans. Many wild animals can carry pathogens and act as vectors for certain infectious diseases. Bat, mouse bamboo, camel And ferret is hosts Which normal found For Coronavirus. Coronaviruses in bats are the main source of severe respiratory arrest syndrome (SARS) and Middle East respiratory syndrome (MERS) (PDPI, 2020).

Coronavirus just can multiply yourself through the host. Viruses cannot live without host cells. The following is the cycle of the Coronavirus after finding a host cell according to its tropism. First, sticking And enter virus to cell hosts in intermediary by proteins S Which There is on the surface of the virus. S proteins are the main determinants in infecting their host species as well as determinants tropical his (Wang, 2020). On studies SARS-CoV proteins S bonded with receptor in cell hosts namely the enzyme ACE-2 ( angiotensin-converting enzyme 2). ACE-2 can be found in the mucosa oral and nasal, nasopharynx, lungs, stomach, small intestine, large intestine, skin, thymus, bone marrow, spleen, liver, kidney, brain, lung alveolar epithelial cells, small intestine enterocyte cells, arteriovenous endothelial cells, and smooth muscle cells. After successful entry, the next step is translation, replication of the gene from the genomic RNA virus. Next is replication and transcription where the synthesis of viral RNA through translation and assembly of the viral replication complex. The next stage is the assembly and release of the virus (Ferah & Perlman, 2015) After transmission occurs, the virus enters the respiratory tract and then replicates in cells upper respiratory tract epithelium (carries out its life cycle). After that it spreads to the respiratory tract lower. In acute infections, the virus sheds from the respiratory tract and the virus can persist decay a number of time in cell gastrointestinal after healing. Period incubation virus until disease appears around 3-7 days (PDPI, 2020).

## **IMPLEMENTATION AND METHODS**

Program devotion This addressed on Banjarmasin Nusantara Maritime Academy with the Navy in Banjarmasin City . Method activity Which done in frame successing activity devotion These are: (1) Analysis needs in the process of needs analysis, administrative preparation, data collection participants in socialization and vaccination of teaching and educational staff . preparation of the location for socialization and Vaccination. (2) Socialization of activities socialization about importance vaccination Covid-19, as well as benefits and positive impacts of COVID-19 vaccination on recipient participants vaccine, ie power educator And power education intended so that every program implementation vaccination accomplished with Good And still fulfil protocol health Which recommended by Government Republic Indonesia during the Covid-19 pandemic. (3) Vaccination Power Educator And Implementation education \_ vaccination Which since beginning addressed to power educators and education will be carried out according to medical procedures with held moreover formerly checking condition health candidate medical vaccine recipients through questionnaires and blood pressure. This is intended For prevent effect side than vaccine Covid-19 Which has injected on body participant. Schedule of service schedule to the Community implemented in SEA TRANSPORT LANAL, time scheduled activities are carried out at SEA TRANSPORT LANE .

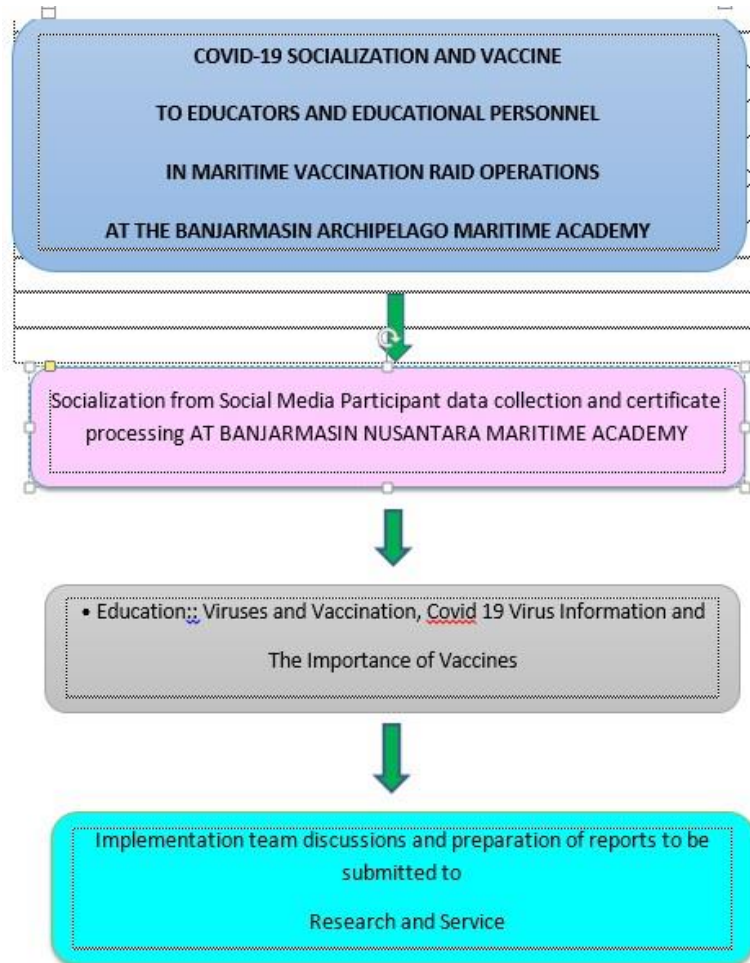


Figure.1 Covid 19 Socialization and Vaccine Activities



Figure.2 Vaccine Location



Picture 3. Vaccine Process



Picture 4. Vaccine Process

## RESULTS AND DISCUSSION

### Socialization about Importance Vaccination Covid-19

Socialization done by Dr. Inke Lubis, Spa, Ph.D about Vaccination. Vaccination is the process of administering vaccines by injection or drip into the mouth to increase the production of antibodies to ward off disease certain. Vaccine is Wrong One method most importantly And appropriate To use For prevent disease and maintain body condition. Vaccines help create immune system to protect you from infection without causing side effects dangerous side. Covid-19 vaccination can protect the body by creating an antibody response in the body without having to get sick because of a virus corona. Vaccine Which used in activity Vaccination moment This that is Sinovac. The Sinovac Covid-19 vaccine is a vaccine from China which is a type of dead virus that is now available Indonesia has imported 1.2 million vaccines. Sinovac Covid-19 Vaccine from China, which is classified as a dead virus vaccine, has received permission use emergency or emergency use authorization (EUA) for the corona virus vaccine (Covid-19) from the Food and Drug Supervisory Agency (BPOM). The Sinovac vaccine is a vaccine inactivated vaccine type or the virus dies. By short inactivated vaccine is vaccine use version weak or inactivation from virus for fishing response immune. Vaccine inactivated need a number of dose from time to time For get immunity sustainable to disease.

People Who Have Been Infected and Recovered from COVID-19 Need This Vaccination due to the health risks associated with COVID-19 and the fact that reinfection occurs COVID-19 is very likely. The vaccine must be given to someone who have been infected with COVID19. Currently, experts don't know how long it will last a person is protected from getting sick again after recovering from COVID-19. Immunity the body a person gets from infection (natural immunity), varies on each person. Some early evidence suggests natural immunity may not long-lasting. However, this is still being studied further. For now, priorities vaccine will focused on they Which Not yet infected moreover Formerly. Vaccine Protect Body from Infection COVID-19 Vaccination COVID-19 works by shaping the immune system on how to recognize And oppose virus Which cause COVID-19, And protect body from infection COVID-19.

Body supervisor drug And food (BPOM) as well as Emergency Use Authorization (EUA) has give permission on use vaccine Sinovac. Still There is public Which feel hesitant about security as well as halal or whether or not the Sinovac vaccine is available. The first is efficacy. Based on phase 3 clinical trials has been carried out in Bandung, the Sinovac vaccine has an efficacy level of 65.3 percent This figure meets the requirements set by World Health organization (WHO). Second are side effects. It is said that the Sinovac vaccine Made in China, it has no serious side effects. Third is halal. Based on the MUI fatwa on January 11 2021, the Sinovac vaccine was declared holy and halal. Apart from that, this vaccine can be used by Muslims as long as it is safe guaranteed, Fourth is reaction, Moment after vaccinated, will There is a number of reactions, such as redness, fever, muscle aches, headaches, and so on. Various assumption about safe And or not as well as halal or whether or not has missed. Therefore, we should follow the government's recommendations case Covid-19 in Indonesia can the more reduce as well as pandemic quick end.

### **Vaccination**

First Phase Vaccine Activities which will take place from 22 to 25 February 2022, o'clock 08.30 WIB up to 13.00 WIB, at LALANL SEA TRANSPORT . A total of 80 participants looks enthusiastic follow activity vaccination the. Preparation before injecting the Covid-19 vaccine is to register repeat in table \_ Number 1 is registration or verification registration , Para candidate recipient vaccine Covid-19 accept form sheet questions Which is part screening or filtering participant vaccination. Table 2 is screening with anamnesis and health examination by a nurse which helps with the screening or filtering process of vaccination participants. Table 3 is where the vaccination is carried out. Table 4 is the registration table after injection which is accompanied by a waiting room for a minimum observation period of 30 hours minute. After being injected with the COVID-19 vaccine, participants Vaccines are encouraged to remain disciplined in implementing the 4M health protocol (use face mask, guard distance, And avoid crowd, as well as wash hand). A series activity vaccination Which Already followed is something form effort so that all over Teacher And power educator still Healthy And spared from Covid-19 and can do face-to-face learning again with safe. Always stay enthusiastic and healthy for teaching and education staff as well as public surroundings.

### **CONCLUSIONS AND RECOMMENDATIONS**

A total of 82.6% of participants have been vaccinated with details of 39.1% of participants having received it vaccines 1 and 2 (complete) and 43.5% have received phase 1 vaccine, in progress wait stage 2. Whereas total participant Which Not yet vaccinated that is 17.4%. Public has know method transmission virus with percentage amount participant as big as 65.2%. Collaboration and comprehensive cooperation with various cross-sectors (policy makers, power and so on) to continuously participate in motivating the community and so that information information about virus And vaccination specifically vaccine Covid 19 can delivered And accepted well in public.

## ACKNOWLEDGMENT

Thank you to all parties involved in this community service activity who cannot be mentioned one by one and thank you to Formosa publisher who has published scientific works resulting from this community service.

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