

Knowledge and Attitudes of Nursing Students in the College of Health in The Face of Global Pandemic Covid-19: Community Empowerment in Preventing Epidemic Disease

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Abstract

The implementation of health development needed by the whole community in achieving a healthy life goal. Therefore, it takes an active role for nurses to educate the public on how to prevent the transmission of Covid-19. This study aimed to comprehend the importance of knowledge about Covid-19 is indispensable to prevent the transmission of viruses that can occur in communities with dense populations such as people living in the suburbs. By using a qualitative approach to illustrate the ability of nursing students to teach the public how to avoid the occurrence of Coronavirus transmission in humans. Data analyzed by using an interactive model approach based on the findings during field studies. As a result of the study proves that coronaviruses can be quickly exposed to others when someone's body endurance is unhealthy and previously had direct contact with the Covid-19 sufferer. The spread of this virus was quick, and until today researchers are looking for drugs to prevent their transmission to others. In conclusion, the study confirms that the role of nurses much needed in overcoming the occurrence of a Covid-19 pandemic transmission. Therefore, the role of nurses is necessary to educate the public in overcoming the transfer of the coronavirus in maintaining health for the suburban community.

Keywords

Health Knowledge, Nurse Student, Empowerment, Covid-19.

Introduction

The implementation of health development carried out by the government plays an essential role in improving the quality of health for the whole community. This is indeed inseparable from the role of health workers in overcoming the problem of the spread of the coronavirus, which is a global disease pandemic at this time. The impact of the range of this virus is hazardous to human health if there has been direct contact with someone who is infected with the virus.

Public health issues are fundamental; the government must do that in protecting all citizens so that they are always healthy. This is undoubtedly a matter of national health issues related to the spread of infectious diseases in a country that is happening at this time and how the government efforts in breaking the chain of transmission of Covid-19 so that all people can live healthy (Schrank and Branch-Elliman, 2017). Therefore, in realizing health for

people who live in suburban areas that have dense communities, active health professionals are needed to socialize the danger of coronavirus transmission, which can cause death for people who do not comply with the health protocol.

The manifestation of self-protection for health indeed always socialized by the government through newspapers and radio and television in the hope that the public can find out the latest information about the dangers of virus transmission if there are citizens infected by the coronavirus (Datta et al., 2020; Latunreng and Nasirin, 2019). Besides, in improving the quality of quality health services, the government is also always trying to provide all the supporting facilities to overcome Covid-19 by empowering qualified health workers. Therefore both doctors and nurses to be able to work together in overcoming the outbreak of this virus to others who would positively impact health for the community (Yi et al., 2019). Based on the subject matter above, the spread of this virus will certainly also have an impact on the large number of patients affected by transmission, of course, it will result in high mortality rates in an area so that the spread of this virus must be a concern for everyone. Therefore, people are encouraged to follow government health protocols, such as by keeping a distance and always cleaning the environment around our homes so that everybody health is maintained and protected from virus transmission of this deadly disease.

The spread of the coronavirus that occurred nowadays was known as the first case in Wuhan, China (Iqbal et al., 2020). However, the spread of this virus is speedy, and since today it has spread throughout the world and has reached more than 100 countries which are currently still trying to find solutions to overcome the problem of this virus such as carrying out a health quarantine for someone who infected with this disease with the aim of not happening spread to others. Based on this, professional health workers are needed to be able to help overcome public health problems so that the dangers of the disease can overcome. Besides, the public also expects that health workers will be able to educate them on the right methods and procedures to deal with the coronavirus problem.

The importance of the role of health workers, such as nurses in providing education to the community, especially those living in suburban areas, will undoubtedly have a significant impact on overcoming the dangers of transmission to other people (Linda et al., 2019). The effect caused by this virus, not only for public health but also has an impact on economic development that results in stunted growth in an area and indeed can also affect the quality of public health services. Thus, the role of qualified health workers such as professional nurses will undoubtedly have an impact on the speed of handling health problems so that the new healthy life expected by the community in improving health quality and economic improvement for the country can be realized.

Literature Review

Improving the quality of health in the community is undoubtedly characterized by increasing public health figures in a region. This means that the universal health development will undoubtedly impact the improvement of the quality of human resources, especially in the field of health that is able to provide education of the community, whether living in the city or rural, which certainly requires the role of a health officer to be able to help in addressing problems related to public health.

Qualified healthcare professionals who are capable of providing education about the significance of health are certainly needed by the community (Nasirin and Asrina, 2020). The necessary health resources are doctors, nurses, midwives, or other trained health professionals who are indeed very focused on helping the community about ways to care for personal health to avoid the transmission of the disease as well as an effort to improve the quality of healthy life. Thus, the intended public health goal is a process of accelerating health development in the area so that all people can live healthy, especially in communities that live in suburban areas that are difficult to get access to health.

The government is currently trying to cope with the dangers of spreading diseases that are very harmful to people by socializing about the impact that can occur if the society does not care about the transmission of this disease. The important government role as a policyholder through the district health department always strives optimally to overcome the transmission of the community by preparing professional health workers to solve the problem of rare diseases that have just been discovered (Lotfi et al., 2020). This Covid-19 disease certainly requires special handling by the professional medical officers.

The virus spreads very fast and is dangerous for health, of course, every community always maintains health by enhancing antibody systems such as by eating nutritious food, exercising even at home and still keeping a safe distance when communicating with others. This is certainly a healthy behavior so that the body remains healthy (Jahanshahlu and Rezaei, 2020). The spread of the virus occurs due to direct contact with patients who are carriers and occurs due to the weakness of a person's condition due to illness or not maintain personal hygiene after doing activities outside the home without using personal protective equipment such as face masks (Nasirin, 2020). In other words that in overcoming the spread of Covid-19, the role and duties of nurses are needed by the community in overcoming health problems. Also, the government is still trying to find an antidote for this virus so that all people can generally live again and can work again without fear of contracting the disease to others (Chen et al., 2020).

The World Health Organization explains that the disease caused by Covid-19 is declared a global pandemic. This is due to all countries in the world experience the impact caused by the virus. The result of the effects that occur if someone who is infected with this virus that can result in death if not quickly assisted by health workers. This happens because nowadays, there has not yet been found the right drug formula that can quickly provide a sense of security for sufferers if it has been infected. According to Mohamed and Alawna (2020) stated that this coronavirus attacks the respiratory system so that the patient has difficulty breathing due to coughing and sore throat.

The importance of improving the quality of health for all people during the coronavirus epidemic indeed teaches all people always to live healthily and keep clean in the environment around the place of residence. Besides, everyone must maintain personal health by protecting themselves and always following health protocols such as still wearing a face mask when leaving the house or when meeting other people, and keep washing their hands after contact with others to maintain personal health and family. Therefore the role of nurses as health workers is needed to help the community in improving the quality of health. According to Waldemar and Thylen (2019) says that nurses as professional health workers can certainly help educate people to stay healthy. Besides, nurses as caregivers certainly must be able to collaborate with other health workers in overcoming the dangers regarding co-19 transmission in maintaining public health and safety.

Methods

The role of nurses as health professionals who handle the community in educating about the dangers of coronavirus transmission is included in this study. Data were obtained from the Covid-19 handling task force on the number of people positively affected by the virus that occurred in Indonesia.

A qualitative approach is used to explore data on the number of cases affected by the virus pandemic and also to be able to explain the role of nurses who study in health schools that become educators in providing knowledge to the public about the dangers of Covid-19 virus transmission. All data collected was then analyzed based on the phenomenological case that occurred and then analyzed using an interactive model approach based on the findings that occurred during this study.

Results and Discussion

The spread of coronavirus does not only occur in Indonesia but in almost all parts of the world with the very rapid transmission of the virus and of course must be a severe concern for the government in dealing with a pandemic which can certainly have an impact on the poor quality of health for the community, especially those living in suburban areas. The efforts made by the government in overcoming Covid-19 problems often experience obstacles from the district. This is due to not all people are aware of the importance of maintaining personal health during the Covid-19 pandemic, such as social distancing and always wearing masks when leaving the house so that the spread of virus transmission can be overcome.

Data show that transmission of Covid-19 that occurred in West Nusa Tenggara is currently very high (15,461 cases). This happens because of the high activity of community groups who continue to do activities outside the home with others without using personal protective equipment such as face masks when communicating with others or wearing antiseptic gel after handling objects or working. For more details on the number of people affected by Covid-19, see Figure 1.

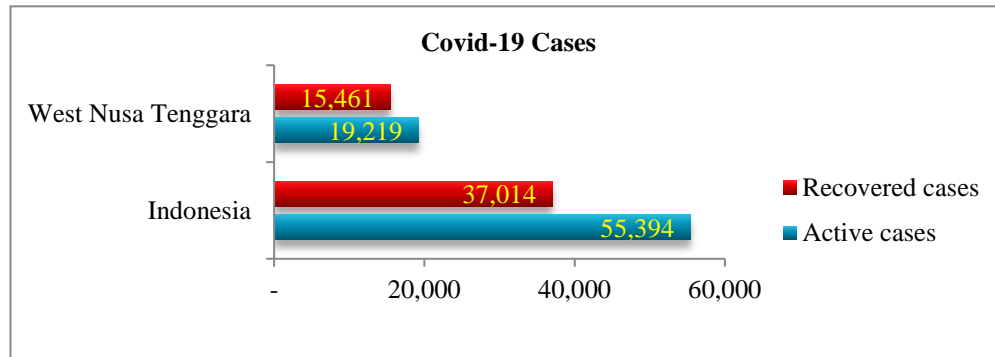


Figure 1. People affected by Covid-19

The data above shows that the high number of people infected with the coronavirus transmission illustrates that the transfer that occurs is due to the large number of people who do not comply with health protocols that are always socialized by the government. This can be seen from task force acceleration handling covid-19 data in West Nusa Tenggara, that there were 19,219 active cases, and 15,461 of them were in the treatment period. The rapid spread of the virus is certainly needed by health workers, such as professional nurses who are able to handle the problem of the spread of Covid-19. With the availability of health nurses, of course, managing the spread of the virus can be overcome. Meanwhile, when seen from the number of cases that occurred in Indonesia, there were 55,394 cases that happened, and 37,014 of them were declared cured and could live a healthy life again after undergoing a period of self-quarantine to improve their health.

To reduce the number of coronaviruses spreads more widely, the critical role of health workers is needed by all people in improving the quality of health. This certainly requires the involvement of local governments as health policymakers to be able to reduce the transmission of the coronavirus (de Leeuw, 2017). On the other hand, the government is also expected to help the health worker by completing personal protective equipment so that the health of the medical officer can also be maintained as well.

Self-protection for health workers in carrying out their duties, of course, must always be considered by the nurse. Security carried out by health workers will certainly also have an impact on the protection for nurses themselves while carrying out their duties in the hospital. Therefore nurses as educators are also expected to be active in providing education to the public about the need for a healthy life and always use self-protection tools such as masks and keep washing hands with running water or antiseptic gel to overcome the spread of Covid-19.

Conclusion

The role of nurses as health professionals is needed in overcoming the problem of coronavirus transmission that occurs at this time. The number of people affected by this virus certainly requires serious attention from local governments in tackling the spread of the virus. On the other hand, education to teach the public about the importance of healthy living is highly expected by the community in anticipating the transmission of the virus, especially in communities living in suburban areas that have dense populations. Some ways that can be done such as educating the importance of personal hygiene by maintaining the cleanliness of the environment around the residence, and always socializing the use of masks when leaving the house so that the transmission of Covid-19 can be prevented.

Community empowerment carried out by nurses in educating the public about the dangers of Covid-19 can certainly help the community in suppressing the spread of this virus. In addition, the role of nurses can be a health facilitator to assist the government in socializing personal hygiene programs and maintaining environmental hygiene as an effort of the community to avoid the danger of Covid-19 transmission, especially in suburban areas.

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