



The Young Generation as The Bearer of Education and Technology

Setiawati Setiawati^{1*} and Yudi Yudi²

¹ Nusa Putra University; Jl. Raya Cibolang No. 21, Cisaat, Sukabumi 43152

² Nusa Putra University Language Center, Sukabumi, Jawa Barat

¹setiawati@nusaputra.ac.id, ²yudy@nusaputra.ac.id

Abstract. The Development of the young generation in the world of education in the 4.0 era has upheld education in the process of learning to struggle for the nation by the use of technology. Teaching and learning process through learning media developments in technology like the emergence of various learning media in the digital world such as e-mail, online chat and *video call*. They are the nation's generation who are currently studying. It is in their hands that the nation's struggle will continue until their time, so that the young generation in the 4.0 era can change their way of thinking, life, organization, and be more active. This has a significant impact on the opportunity of global markets related to the dynamic Industry. Socialization to Priority Vocational Schools aimed to guide the students as the young generation in the academic world to be able to keep up with the current developments well, so that they are not carried away by the negative publications in the mass media. The socialization implementation planning was based on the observation results. The results of the study planning were disseminated as the basis for the author as a speaker on "The Young Generation as The Bearer of Education and Technology" at Priority Vocational School students majoring in Nursing Assistant, majoring in Clinical Pharmacy and in general grade X up to grade XII.

Keywords: Young, Generation, Bearer, Education

1. Introduction

The Young generation as the bearer of education and technology is vital to education development in the future perspective in order to bring into reality the qualified, developed, independent and modern Indonesia, as well as to ascend the dignity of the nation. A teacher as an educator and influential in students' life should educate the students to become the young generation as the bearer of education and technology. Education contributes to an accomplished human resource. This is mentioned in National Education System Constitution No. 20 year 2003 Chapter 1 paragraph 1 Which states that education is an effort to improve the student's competence. The students' competence is not just a rewarding accomplishment. Education is a critical means to advance the quality of human resources in securing the sustainability of a country's development. As the constitution number 20 of 2003 concerning the National Education system has asserted that " National Education serves to develop the competence and character building as well as the dignity of nation's civilization in pursuance of national education, aimed for students' capability advancement in favor of being a believing human and devotional to Almighty one god, morally noble,

healthy, knowledgeable, capable, creative, independent and become a democratic as well as accountable citizen ”.

The research of **Bernie Trilling and Paul Hood** (2016), said that education in the era of industrial revolution 4.0 is the era of knowledge (*knowledge age*) that experienced extraordinary rapid development and enhancement. World of education in this 4.0 era through the young generation as the bearer of education And technology is a bridge for the advancement, for the sake of the national Education advancement determines the excellence of human resources to increase the excellence of human resource in order to guarantee the development sustainability of the country. In this case, the students’ growth and development are crucial through activities in terms of improving the quality of human resource in the world of education for the young generation as the nation's successors.

The Importance of technology development to build up themselves from globalization therefore, the student should be introduced, well informed and guided. Thus, when the development ages through the literacy draft learning process coalition which is later the student capable to think, to take action even to have the capability which are computer applicable (**Shao, X., & Purpur, G.** 2016: 56). The phenomenon that the young generation as the bearer of education and technology as the nation's successor traverses components within the studying and academic environment through a digital literacy. The digital literacy application encourages the public to be much wiser in applying as well as accessing the technology. The digital literacy is required to actively use the technology. Ability to make use of the technology as wisely as possible in order to create positive interactions. In this matter the teachers and the students should be more adaptive in IT learning by updating information and horizon of insight as well as updating the Technology development in learning pattern application (**Harto**, 2018). So that the student in the industrial era as the young generation and successor of the nation and country should compete globally, additionally, the young generation is now within the Asean Economic Community (Kanematsu, H., & Barry, D. M, 2016: 42). This transformation can be identified from the first to fourth industrial era (**Santoso**, 2015: 62). The young generation determines the success of the country. Achievement in education advancement will generally contribute to national development objectives. Thereby, the agent of change develops an Indonesian of religious, intelligent, productive, reliable and comprehensive.

The development of information and technology changes the paradigm, the way of human thinking. After the study and socialization, the writer educated the students at Priority Vocational School as the young generation in the academic world. The academic world in the industry of the 4.0 era greatly influences human’s character at work, as a result the skills also experience changes (Kemenristekdikti, (2018: 45). The students at Priority Vocational High school are not only encouraged to keep updated with the dynamic development of the technology but also keep alert on priorities by time management.

2. Method

Priority Vocational School is a private school located in the center of the city, address: Jl Veteran I No 25 Tel (0266) 6249831, Sriwidari, Gunung Puyuh District, Sukabumi City, West Java Province built in 2011 Establishment Decree number: 005 1149

Setdisdik 2011, and Operational Decree Date starting on February 27 2013 and A accreditation number 763/BAN-SM/SK/2019 on 09/09/2019. Priority Vocational School has four majors, namely Accounting and Institutional Finance, Nursing Assistant, Clinical Pharmacy and Computer and Network Engineering, and school schedule commences in the morning, a full day school for five days, namely from Monday to Friday. Aware of that, the supervising lecturer takes the following steps: *First step* socialization to the principal and staff, the *second* step is material immersion to Priority Vocational School students. These measures were taken with the aim of encouraging grade XII students of Priority Vocational School as the young generation should prepare themselves to continue to higher education and should be technologically literate. The *third* step is conducting a technical study. The technical study aims to encourage grade XII students to continue studying to higher education level. Implementation of socialization at Priority Vocational Schools which was carried out by the writer as the speaker collaborated with the Informatics Engineering Student

Association (HMTI) of Nusa Putra University. As an illustration of the stages of community service, briefly explained in Figure 1.

Based on the socialization implementation research through material exposure by writer as shown on Figure 1 is clearly visible that socialization at Priority Vocational Schools was carried out in stages including the planning and alternative stages. The *first* stage is planning for the integration and socialization of the author as a supervisor together with HMTI to the principal, teachers and student of Priority Vocational School to unite both parties to collaborate to a leading socialization towards the young generation as the bearer of education and technology. The second stage of this planning will be socialized and discussed by HMTI and their supervisor together with Priority Vocational School in a fruitful collaboration. The *third* stage is the formulation of an activity implementation plan through the presentation of related subjects to the young generation at Priority Vocational School students. The *fourth* stage is the

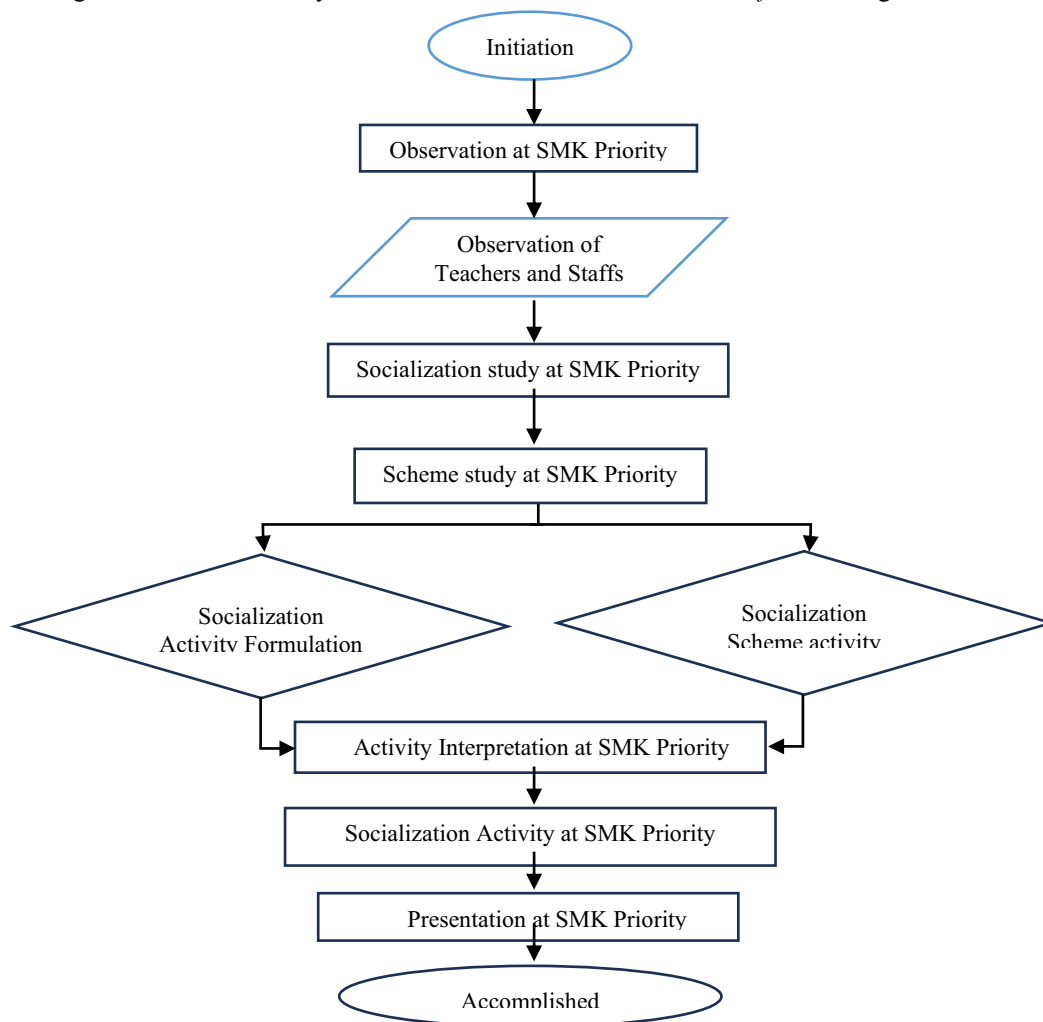


Fig. 1. Socialization at Priority Vocational School

implementation of socialization through subject presentation at Priority Vocational School which was represented by two departments, namely the Nursing Assistant department and the Clinical Pharmacy department and grade X to grade XII. Presentation of the material by the writer as the supervisor of HMTI regarding “The Young Generation As The Bearer of Education and Technology” which is the essence of that material explained that the technology development in the world of education in the 4.0 era has supported education in the process of learning and the business world in the digital era.

3. Results And Discussion

As the young generation in the digital 4.0 era, the rapid development of technology is now a reality. How does the young generation of Priority Vocational School accept the digital era? The young generation within the global industry is in the middle of a new era called 4.0 industrial revolution or so called 4.0 digital era, all majors at Priority Vocational school in general took part actively in the new era. We can see this phenomenon from the increasing number of digital-based implementations around the school, known as Google, Facebook, YouTube and messenger application services. All of this can be applied with a gadget that connects to the internet. Thanks to the advancement of technology that breeds various learning media digitally. Nowadays, education between the teachers and the students can be widely accessed by email, online chat or video call. 4.0 era transforms the student’s inclination, lifestyle, organization coordination and working habit because of the dynamic industrial opportunity within the global market. Priority Vocational School as the young generation or the millennial generation grows up amidst the millennial digital technology and feels that it is crucial to support the development of the industrial revolution 4.0. In accordance with the government program to increase teachers’ millennial capacity, Priority Vocational School enthusiastically accepted the era of industrial revolution 4.0. Training, seminars, and technology courses carried out to

Fig. 2. Activities during the project

improve the digital era capability program for Priority Vocational School teachers, the advancement of technology and the industrial revolution contribute many new useful knowledge to humans. Having the knowledge and the capability of the technology are advantageous to Priority Vocational School students. Additionally, the speaker emphasized the students to use the technology wisely and up-to-date so as not to get carried away by the negative impact of the publication by the mass media. Through education the young generation as the bearer of education and technology is expected to be able to manifest the development of the business world, education, social, politic, and culture by renewing the advancement of information and technology. As an illustration, figure 2 is the writer's project in terms of improving the human resource at Priority Vocational School in collaboration with Informatics Engineering Student Association (HMTI) through socialization on the subject “The Young Generation as The Bearer of Education and Technology”.



The above image is the writer's documentation in collaboration with Nusa Putra University student organization (HMTI) during the project. As seen above the intensity of collaboration sustainability of students, teachers, HMTI and the supervisor as the writer. Students observed closely and took notes about the subject that they should be digital literate in the 4.0 era because the advancement of the technology supported the education by innovations of learning process. Technology competence is needed by the students as the future generation (Intan Ahmad, 2018). As shown on figure 3 is an example of learning media.

Learning media are media to convey the subjects in the classroom or at campus,



Fig. 3. Technology as learning media

including technological gadgets in order that the student to be more focused, motivated, and effective in classroom learning to create a more attractive learning environment. as illustrated on figure 3.

4. Conclusion

This education research has conveyed the technology knowledge by means of the internet at most for the students at Priority Vocational School especially Nursing Assistant major, Clinical Pharmacy major and in general grade X up to grade XII. Socialization entitled "The Young Generation as The Bearer of Education and Technology". It is expected that Priority Vocational School students as the millennial generation keep up with developments in order to make the best use of technology, so as not to be corrupted by the negative publications in the mass media.

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