Application of Social Competence (ASCAAL) to improve student learning creativity in the online learning system (SPADA) in the Covid-19 Pandemic Era

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Abstract

Social competence ensures teaching objectives in the SPADA system that knows no boundaries of space and time for teachers and students. 54% of Indonesian teachers do not have sufficient competence to teach. It has an impact on the lack of learning objectives that are not achieved optimally. This study aims to investigate the innovation of two groups of students in learning English Syntactic Structure. With purposive sampling technique, ASCAAL was measured from the results of several methods in the form of a questionnaire, pretest and posttest given to 45 students. The group is the control class and the experimental class that study Syntactic Structure. The experimental class consisted of 25 students, and the control class consisted of 20 students. One group teaches with SPADA, and the other teaches with social media facilities such as Google Classroom and WhatsApp. The technique used to analyze the data is descriptive qualitative and quantitative analysis. The result of the research is that ASCAAL is proven to be positive in increasing students’ creativity. ASCAAL also supports a positive learning management system. The features and menus on SPADA show a developing learning creativity system that increases student motivation and value.

1. INTRODUCTION

Teaching methods as integrated connection system with teaching activities are understood as a bridge connecting teaching and learning interaction between teachers and students (Anuar et al., 2021; Gavrilenko, 2018; Mufit et al., 2020). Teaching activities must be conducted in interesting academic situations that enhance interaction, inspiration, collaboration, challenging and independence (Tsai et al., 2017; Uygarer & Uzunboylu, 2017; Yilmaz & Korur, 2021). The major purpose is the outcome of creativity, mindset, physiology, and independence of the students. Education world is a dynamic world and continually updated (Bettencourt et al., 2011; Bui & Do Van Dung, 2019; Zendler & Greiner, 2020). Based on teachers competences analysis of Education Department of Republic of Indonesia, 54% of Indonesia teachers do not have enough competence to teach (Retnawati et al., 2016; Sundayana, 2015). Related to the Research Department of Republic of Indonesia, 30% of Indonesian students do not have enough cognitive competence to understand their teachers explanation (Chasanah, 2020; Jayadiputra & Karim, 2020; Tyas et al., 2019). Social competence as an educational...
communication provides methods to connect people understanding in teaching systems, teaching interaction and social interaction (Dhiu, 2017; Jogezaï et al., 2021; Liu, 2020). As it is explained through the Republic of Indonesia Standard National of Education Chapter 28 Verse 3 point D, social competence is teacher competence also known as society communication competences. These competences are used to construct effective communication to students, teachers, parents and other people both inside and outside the environment of education system (Gishiti, 2018; Maulida et al., 2020; Tentama & Riskiyana, 2020).

Teaching target of social communication in the era of 4.0 must accommodate the role of technology (Atabekova et al., 2021; Chan, 2021; Coffelt et al., 2019). The combination of new creation teaching methods today came up drastically in the era of the disruptive technology that was also triggered by the pandemic Covid-19 (Bahasoan et al., 2020; Jogezaï et al., 2021; Khan et al., 2021). Educational system as teaching methods and medias changed ways of communication in world of educational system (Tsai et al., 2017; Zendler & Greiner, 2020). As the result of the condition, the presence of e-Learning arise higher using In-network Learning System (SPADA) (Dado & Bodemer, 2017; Siripongdee et al., 2020; Suryandari, 2020). The application organizes entirely e-Learning-teaching activities that allow teaching materials delivery system from teachers to students or conversely using internet or medias of computer network (Ogbonna et al., 2019). Today, e-learning system is to be a must and used entirely in educational system world. This new learning system is to be a very popular apparatus to support an interactive virtual education (Al-Frahat et al., 2020; Vrieling et al., 2012). The learning system or SPADA grants abundant teaching-learning access to teachers’ material beyond the space and time. Students or teachers only need to prepare their own computer, laptop, smartphone and other medias as tool networks to use SPADA. Today, e-Learning is a vital media internet or intranet (Nächer, Badenes-Ribera, Torrijos, & Ballesteros, 2021; Yusuf & Widyansingsih, 2020). Using this application, teachers and students have their own privilege to explore and develop advance learning. Their appliers on internet have facilities such as speech access, time optimization, simplicity, efficiency and other supportable facilities (Asrial et al., 2020; Zhang et al., 2020). In the system, sides, teachers and students are active to develop their participations and activities in improving the learning quality and the verifying the effectiveness steps equally to obtain agile information (Ali & Maksum, 2020; Nächer, Badenes-Ribera, Torrijos, Ballesteros, et al., 2021). SPADA becomes a preferable alternative in teaching and learning. The optimization of SPADA is supported by the enough social competence of teachers. The social competences are: Oral, writing and code competence, Using communication technology and information, Social relationship with people inside and outside educational environment, Building relationship effectively and efficiently. These social competences become social competence to achieve teaching target (Thompson et al., 2020). There are direct influences factors to get the target of teaching as well as learning outcomes.

As the Pandemic crossed over the country, online learning has been totally supported by the policy of the government and the educational ministry of the Republic of Indonesia to use in the university (Ali & Maksum, 2020; Jogezaï et al., 2021; Wei et al., 2021). Then, all lecturers in the University of HKBP Nommensen Pematangsiantar were well prepared using the SPADA in learning management system by carrying out socialization, guidance, training and knowledge for lecturers and students of the university. Curriculum, lesson plan, medias as parts of learning management system can be adopted well into SPADA. Online learning management system is effective for learning even though in university level (Adeoyin & Soykan, 2020; Bahasoan et al., 2020; Febilza & Okatariani, 2020). Learning activities in online learning management system can improve character of learning experience on campus (Saputro & Susilowati, 2019). Then, in periods of age, 90% of the lectures and students use the SPADA were birthed in between 1981-2000 and known as generation Y who were known as the next generation of information and technology development and computer use (Annetta et al., 2013). This generation is also known as the surprising generation in applying technology.

The SPADA succeeds to create the various products of online learning technologies such as e-learning, Google Classroom, online teaching, WhatsApp and web (Clark & Mayer, 2016; Singh et al., 2020). The lecturers and students of Nommensen University have used SPADA as the only one media to teach. But, there are several things that need to be considered regarding to the readiness of the students to the total online learning as problem based learning, culture, geographically reason and quality of internet access (Kieschnick, 2020; Savery, 2015). These were the reasons some lecturers taught their classes using Google Classroom and WhatsApp. Also, the major target to achieve the quality of education as it is mentioned in the national education standard. Then, there are scholars and teachers are influenced by the benefits of blended learning (Hrastinski, 2019; Sudiarta & Sadra, 2016). Research on SPADA has been carried out by several researchers (Jethro et al., 2012; Liza & Andriyanti, 2020; Maatuk et al., 2021). Each researcher, has a characteristic for the research he did. From several studies. This statement shows that there is a gap regarding the use of SPADA during the Covid-19 period at HKBP Nommensen Pematangsiantar University. With this SPADA application, it is hoped that the English Education Study Program at HKBP Nommensen Pematangsiantar University can apply the same standards to all lecturers who are in charge of course material and can facilitate campus management in controlling, monitoring and evaluating the learning and teaching process, especially during the teaching and
learning process. This research was conducted to apply Social Competence (PASCAL) to increase student learning creativity in the online learning system (SPADA) in the Covid-19 Pandemic Era.

2. METHOD

As it is informed above, this research took place during the teaching of the odd semester of 2021 academic year. In the academic year, the lessons served entirely by using SPADA. The students were two groups of students of batch 2020. At the beginning of the research, the lesson was introduced to a group of students by using SPADA and the other group using combination of Google Class room and WhatsApp methods. There were totally 5 groups for Syntactic Structure lessons. Two groups of the students from Syntactic Structure lessons were chosen randomly for the reasons of science and equability. The research design is a quasi-method. The two classes were given pretest and posttest. A class experiment used SPADA and the other class was as controlling class. This research aims to show an investigation of two groups of students of English Syntactic Structure lesson. By purposive sampling technique, the ASCAAL was measured by the result of pre and post-test given to the 45 students and supported by questionnaire. Each group of the English Syntactic Structure consisted of 25 students and 20 students. The group consisted of 25 students was named with experimental class and the other group named with controlling class. One group taught with SPADA and the other group taught with combination teaching media as Google Classroom and WhatsApp. The total number of the students from the two classes is 45. Then all of the participants of the class followed the data analysis and the lessons according to the research schedules. Technique of data analysis is measured by comparing the results tests of the two classes. The indicators to compare were as: questionnaire, pretest and posttest.

3. RESULT AND DISCUSSION

Result

As the major purpose of this study is to describe the benefits of application social competence as apparatus learning system (ASCAAL) to improve students learning creativity on the in-network learning system (SPADA), the ASCAAL consists of questionnaire, pretest and posttest. The questionnaires were given to students by using Google Form application. By giving questionnaire consisted of indicators as the simplicity, practically, applicability and effectiveness, the aim of receiving data responses to ASCAAL based on their learning activities on SPADA can be proved. Questionnaires were used to measure students’ responses to ASCAAL on SPADA. All questionnaires were returned, and 100% of students indicated that ASCAAL was 100% simple, practical, applicable and effective. Figure 1 below shows the graph of ASCAAL on SPADA which consists of the simplicity, practically, applicability and effectiveness.

Based on the data shown in figure 1, there is resume found that the total number of the students was accepted that ASCALL application has simplicity, practically, applicability and effectiveness in their learning activities. The analysis of the ASCAAL works to improve students creativity runs through posttest data and pretest data. Both of the student groups in the controlling class and the experiment class had the same questions for the pretest. The schedule for the pretest was decided at the first day of lessons. The questions were well prepared to measure students understanding about Syntactic Structure. It consisted of 5 questions and served in
multiple choices form. The questions and the answered were served on SPADA and on the WhatsApp depend on the class. Then based on the schedule posttest, both of the student groups in the controlling class and the experiment class had the same questions for the posttest. The questions were well prepared to measure students understanding about Syntactic Structure. It consisted of 5 questions and served in multiple choices form. The questions and the answered were served on SPADA and on the WhatsApp depend on the class. The total result of the pretest of Group A is still below of the qualified success. The total result of the pretest of group D is still below of the qualified success. Based on the total result of the Post Test of Group A it is found that every student achievement meets the qualified success. Based on the total result of the Post Test of Group D it is found that every student achievement is still below the qualified success. Based on the result of the posttest conducted to the controlling class and the experimental class as it is shown through the tables and the figures, the result shows that student achievement of the experimental class is higher and passed the qualification.

Discussion

Online learning during this social distancing period must continue to be carried out in order to meet the needs of students (Ferreira et al., 2018; Khalil, 2018; Sajnani & Mayor, 2020). Several variations of the models and platforms used by lecturers at FKIP University HKBP Nommensen Pematang Siantar are quite good despite the various obstacles that exist. Students as prospective teachers are also required to learn to be technology literate and later be able to develop better online learning (Devi et al., 2020; Ivanov et al., 2019; Sudana et al., 2019). Apart from the influence of social distancing, in this 4.0 industrial revolution era, students should be able to use and develop digital technology in learning (Bui & Do Van Dung, 2019; Devi et al., 2020; Xu et al., 2018). It is important to develop technology-based learning such as online because it can facilitating better learning and training is gaining momentum around the world, reducing problems associated with traditional learning (Al-Fraihat et al., 2020; Gavrilenko, 2018; Yusuf & Widyamingsih, 2020). Online learning should offer students and teachers a common forum to present material and to work together to produce documents. Students process information new knowledge and form new meanings and structures of knowledge (Alias & Siraj, 2012; Bervell & Arkorful, 2020; Febliza & Okatariani, 2020). There is no difference between learning achievement before and after using SPADA because there is only a difference in the way of communication between direct and indirect face-to-face direct. In principle, there is still multi-way communication between lecturers and students (Jamshidi et al., 2020; Prayitno & Mutianingsih, 2021). This is where the role of lecturers in the online learning process is demanded to be more active and creative in managing learning. Success is influenced by the readiness of lecturers and students. Without reciprocity, of course, it causes obstacles in the implementation of online learning.

4. CONCLUSION

ASCAAL as measured by pretest, posttest, and questionnaires has been shown to positively increase students’ creativity. ASCAAL also positively supports the learning management system because the flow of teaching communication between teachers and students is effective in e-learning and in the era of information and communication technology that is increasingly developing along a long road to find precedents for teaching media and appropriate teaching methods, virtual classes or online learning proven to be useful for developing social relationships and a sense of community. Then, by using e-learning, teachers and students have easy access and flexibility and help a lot to get learning outcomes and learning satisfaction. Based on the features and menus on SPADA shows a developing learning creativity system that increases student motivation and value.

5. REFERENCES


