

CHAPTER V

CONCLUSION, IMPLICATION, AND RECOMMENDATION

The final chapter of the study elaborates conclusion, implication and recommendation. The conclusion provides the summary of the analyzed data from the previous chapter. In the implication, the author discusses the implicative descriptions of the topic toward education especially to online learning. In the recommendation, the author discusses some suggestions to educational stakeholders for next research.

5.1 Conclusion

Overall this study has been proven to contribute to an effort for the implementation of higher order thinking skills in classroom setting. Through sets of data analysis, the evidence of the promotion of student's higher order thinking skills in this study demonstrate that students' thinking skills has been successfully achieved. Based on the research results, some points can be concluded as follow :

1. The use of Whatsapp to learn English can promote higher order thinking skills. The finding shows that majority of the students' thinking skill level reaches the category of *evaluating* (51.22%) followed by *analyzing* (36.588%), and *creating* (12.20%). It indicates that most students have conducted an evaluative and analytical thinking and classified in the domain of higher order thinking skills. This finding is theoretically in line with the statement of Subran (2013) and McLoughlin and Luca (2000) revealing that social media such as Whatsapp has the potential to support the development of higher order thinking skills. The support corresponds to inquiry, creativity and critical reflection.

2. Whatsapp contributes to high satisfaction among students. Through the use of Whatsapp for online learning, students perceive a positive acceptance where they feel enjoyable and show enthusiasm, even some of them want it can be also applied to other subjects. This finding is also corresponded to research results conducted by other researchers such as Mistar and Amin Embi (2016). They revealed that the integration of online discussion through smartphone application

such as Whatsapp in learning activities enables students to get more opportunities to interact with teachers and friends. A more clearly finding was shown through the study of Gasaymeh (2017) stating that the participants perceived the integration of Whatsapp into education to be easy, fun and useful.

However, some weaknesses and problems are found in the study. Firstly, the flood of messages that some of them are not significant, this should be anticipated by creating smaller groups. Secondly, the lack of treatment of the concept of higher order thinking skills for poor achieving students; thirdly, time consuming for students regarded insufficient, the given time should be flexible. Fourthly, slow access of internet and smartphone ownership. It influences the smoothness of the research. These weaknesses should be noted as important feedbacks for the next study.

Further studies which investigate student's responses and discussion in other social media such as Instagram, Facebook or Google classroom may give benefits and be highly suggested. This strategy hopefully gives a deeper understanding especially to how students use higher order thinking skills in online courses. This Covid 19 pandemic should be a momentum of change to teacher's mindset and awareness to be more creative and innovative to boost students' advancement.

5.2 Implication

The results of the study have implications on teachers, students and policy makers. With the rise of technology especially in social media platforms, teachers or educators have to adapt with the changes taking place in education and concern with their competencies in the use of ICT. They can not stand in their quo status and have to get out of box. The function of social media has shifted not only for the purposes of communication and sharing information but also can be applied to facilitate teaching and learning process. Teachers' innovation and creation in developing their learning materials to be more effective and attractive will determine the success of their daily teaching activities. Teachers should be more adaptive to technology and update their skills.

Through this study, students become aware of the function of Whatsapp to assist their learning activities and share learning resources. In fact, the use of Whatsapp has increased their thinking abilities and expanded their confidence and motivation. They become more active participants in online discussion and find enjoyment with Whatsapp. There are so many online learning platforms either for free or with payment can be utilized to support learning. This way of learning provides sufficient time for students to think critically and make them comfortable. Consequently, higher order thinking skills will easily take place in which they can confidently express their ideas and freely exchange opinions with their peers and teacher. Moreover, complex concept of higher order thinking skills can be more practical and learner friendly use mediated by Whatsapp. The result may become a source of information for teachers and educators in developing HOTS learning for their own. This study also implicates to the emergence of teacher's awareness on the significance of HOTS in designing assignment to increase the quality of English language teaching and learning especially in this Covid 19 pandemic.

For policy makers the advancement of ICT has to be anticipated and they have to be more responsive and adaptive with technology. Trends of social media have been growing with all of its consequences. This study has proven that the use of Whatsapp to support online learning gives so many benefits. The function of Whatsapp is in fact able to change students' mindset. With the same concept or theory, social media such as Instagram, Facebook, or Twitter can also be applied for the purposes of learning. The government has to anticipate this by facilitating the availability of internet access such as wifi and computer laboratory in schools.

5.3 Recommendation

Some recommendations are offered to the educational stakeholders, teachers, and educators through this study. Educational stakeholders such as principals or local government should utilize this study result as an input for developing and designing learning materials and integrate it into school curriculum. Higher order thinking skills as crucial parts in educational constitution has to be effectively implemented in this era of 21st century.

Technology based learning with social media such as whatsapp, facebook or youtube as platforms will no doubt improve the quality of education. For teachers and educators, this study result will encourage them to be more creative and innovative and able to develop their skills in exploring the efficacy of other social media applications. Because the concept of cognitive thinking not only discuss higher order thinking or critical thinking, it is highly suggested for teachers to conduct classroom action research on other concepts such as problem solving and creative thinking. It is their obligation to create critical and creative thinkers from schools for better and competitive generation.