CHAPTER V
CONCLUSION AND RECOMMENDATIONS

5.1 Conclusions

Based on research entitled "Development of "Captain Lungs 3D" as a Learning Media in Respiratory System Topic To Enhance Students Critical Thinking Skills, it can be concluded that the development of the game "Captain Lungs 3D" using Unity 2019 based on the assessment of the judgments is categorized as "very good" to improve students' critical thinking skills, and based on the results of the questionnaire from the assessment rubric, it gets an average score of 3.93 meaning it is categorized that this game can used to improve students' critical thinking skills

For the implementation of students' critical thinking at junior high school level through critical thinking skills questions adapted from Facione, it was found that the normality value using Kolgomorov-Smirnov obtained data that the pretest and posttest scores of the questions tested, the results were normally distributed and the questions were acceptable to students.

Third, in implementing "Captain Lungs 3D" as a tool for critical thinking starting from the pre test stage, then teaching the respiratory system using adobe flash and breathing modules, playing games about the respiratory system, and doing post tests about questions adapted from critical thinking skills of data obtained quite good with a minimum score of 60 out of a total of 60 students

Four, for the response from science teachers, computers, and media experts, it shows a pretty good assessment of the development of the game "Captain Lungs 3D" with a score above average and for its implementation it is quite good with an average student score of 70. This shows that the game "Captain Lungs 3D" can be used as a learning tool and improve students' critical thinking skills in learning the respiratory system. Furthermore, this game can be used as a source for researchers or teachers in utilizing technology as a medium of learning

5.2 Recommendations

The author realizes that there are still many shortcomings in this game and must be developed more, one of which in the game must be updated frequently so as not to cause boredom for students to play this game. Then the levels in this game can be added, so that this game is more challenging for students to learn the respiratory system in a different way

Then for the concepts contained in games, not only implementing the concept of critical thinking, but also in 3D games, each step must trigger students to think critically so that the implementation of students' critical thinking must be maximized so that the game becomes meaningful, and for the implementation of game and critical thinking test should be improved with the aim of critical thinking students can be trained. Afterwards, in the implementation of critical thinking, adapting not only the ability to think critically to one principle, but also other principles in order to compare the results of questions from critical thinking skills by adapting one principle as well as other principles. Then for this game, it is highly recommended to provide a web version so that it is not difficult for players to have to download this game before playing, because if you have to download it first it will consume internet usage and not all students have access to enough internet quota.

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