CHAPTER V
CONCLUSIONS AND SUGGESTIONS

5.1 Conclusion

Based on the results of the research and discussion described above, it can be concluded that the use of information and communication technology-based teaching materials on the subject of the reproductive system in class XI at SMA Negeri 12 Medan contributes positively to the learning and assessment processes:

1. The use of information and communication technology-based teaching materials in the learning process is carried out using animated videos. These technology-based teaching materials have proven to be an effective solution and help visualize abstract concepts in the reproductive system, which are considered difficult to understand through lectures or textbooks alone. The use of animated videos significantly increases student interest, motivates students, and fosters curiosity through a passion for learning.
2. The use of information and communication technology-based teaching materials in the assessment process is carried out using the Quizizz platform. This platform is considered efficient and can attract students' interest in training, focusing on the speed and speed of students in answering questions posed through the platform. Furthermore, the features provided on the Quizizz platform have been proven to create a new learning evaluation atmosphere, making the learning experience more enjoyable and challenging for students. This also facilitates biology teachers in formulating questions and answers, allowing them to monitor student learning outcomes in real time through the platform.
3. The obstacles faced by students in utilizing information and communication technology-based teaching materials stem from several factors, namely the limitations of supporting facilities and infrastructure at the school, the availability or unpreparedness of digital devices owned by students, the existence of obstacles from internet access both owned by students and those around the school. The existence of these obstacles, both technically and operationally, can hinder the learning process and the assessment process, so

this can cause the use of technology to not reach its optimal potential in the educational process.

5.2 Suggestions

Based on the above conclusions, here are some suggestions that can be given to this study:

1. There is a need to improve and upgrade school facilities that support the smooth running of information and communication technology-based learning processes.
2. There is a need for educational efforts regarding the responsibility of students to provide the necessary learning devices and internet networks during the learning process.
3. There is a need for updates related to the variety of information and communication technology-based teaching materials used in the learning and assessment processes to provide a new, more innovative learning experience for both teachers and students.